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MINISTRY OF EDUCATION MALAYSIA

MONASH University Malaysia

UNIVERSITY OF Southampton

The University of Nottingham

UNITED KINGDOM · CHINA · MALAYSIA

Table of Contents

1.0 About MyMentor

This project has been prepared for Malaysia's Ministry of Education (MoE), following a series of communications with key staff. It will be delivered collaboratively by three international universities, all of which have branch campuses in Malaysia. The three institutions are all global top 100 universities, according to the QS World University Rankings 2013 (Nottingham: 75; Southampton: 86; Monash: 69). Nottingham and Southampton are both members of the UK's Russell Group (http://www.russellgroup.ac.uk/) and Monash is a member of Australia's Group of Eight (http://www.go8.edu.au/).

In long-established/mature research universities, research careers in Science, Technology, Engineering and Mathematics (STEM) typically start with PhD training followed by a period of post-doctoral research in which the individual builds and develops expertise under the guidance of a senior academic. They develop skills to become independent researchers, to build their own groups and lead new projects. This is a well-established process. In some universities, this is sometimes difficult because there is often limited capacity at senior levels. Therefore, external mentoring provides an alternative mechanism – one which develops capacity from external resource – and has the added value of developing collaborative oppurtunities.

1.1 Details

The proposed mentoring program would pair a mentor/mentee for a period of 24 months. The mentor would come from either Nottingham, Southampton or Monash (and perhaps more than one of these, if the research activity warranted this) and the mentee would come from one of Malaysia's public universities.

The mentee would be expected to bring their own research ideas (which may have lay dormant for a while) and develop those ideas with the help and assistance of the mentor. Any papers that arise from this collaboration would be jointly authored and we would expect only high quality outlets to be targeted (i.e. ISI papers, especially for STEM (Science, Technology, Engineering and Mathematics) subjects).

There are many ways in which the mentor/mentee arrangement could be arranged. At one extreme, the mentee would remain at their home institution for the duration of the mentoring program and would attend regular meetings with their mentor. The meetings would take place at a mutually convenient location, at mutually agreed frequencies. The frequency of the meetings would be part of the project proposal and would inform the selection process.

At the other extreme, the mentee would be based at the same institution as their mentor for the duration of the project. This will enable them to work more closely with their mentor but they would be away from the home institution and family. It is also potentially an expensive option as there may be travel and accommodation costs

involved (e.g. if the mentor is based in KL and the mentee is not).

The program would welcome proposals following any available model . A possible middle ground in that the mentor/mentee are in institutions located close to one another (eg. Nottingham/UM, Monash/UKM or Southampton/UTM) that it is easy to make regular visits without incurring significant expences.

Due to the significant costs, we do not propose that this program funds travel, accommodation and subsistence for any seconded periods (i.e. staying away from home for three months, travelling home at weekends). We note that it is possible to spend significant time at another institution, assuming the institution is located close to the mentees home institution. We would also welcome support from the mentees home institution if they felt that the benefits justified the expense. However, the program will support the costs of regular meetings and the annual workshop. In the following sections, we provide more details about the proposed program.

1.2 Objectives

- To support early career researchers, who have just completed (within the past two years) their PhD.
- For the mentee to establish an independent research career. Assist the mentee in getting into the habit of carrying out research.
- Publish the results of their research as a normal part of their academic life.
- Motivate and support experienced scientists, who are not active researchers, to enable them to publish high quality papers in the leading international journals.
- Over the five year project period, mentor 230 Malaysian scientists (year 1=10, year 2=25, year 3=50, year 4=70, year 5=75).
- Each mentor/minute, to publish at *least* one, high quality, paper.
- In total, publish at least 350 papers in high quality, high impact journals.
- Organise a workshop each year. Everybody currently enrolled on the program (both mentors/mentees) at that time will be expected to attend.

1.3 Methodology

We want academics to aspire to be part of this program. Therefore, entry to the program will be competitive. We see the following as the major selection criteria and processes:

- Both the mentor and the mentee must have a PhD.
- The mentor must have a proven track record in publishing in high quality journals.

- The mentee must be able to argue how they would benefit from being a part of the program.
- We will hold an annual recruitment event, where mentors/mentees will attend. This event will introduce the scheme, outline the rules and regulations and will run a series of *match making* events to make introductions between mentees and mentors. We will aim for double the number of mentees and mentors to attend the event as we hope to recruit. That is, we will aim for a 50% success rate for those wishing to apply.
- Following the recruitment event, we will invite proposals for potential mentor/mentee pairs. The deadline will be approximately one month after the recruitment event.
- The proposal, for which a template will be developed, will need to cover areas such:

  - What qualifies the mentor to be part of the program?
  - Why should the mentee be on the program?
  - A brief project proposal.
  - How does the mentee/mentor pairing work,including meeting/secondment arrangements, frequency of meetings etc.
  - Where will the mentee be located, and for what periods of time.
  - How many papers will the project produce?
  - What are the target journals/outlets?
  - A timeline for the project.
  - What funds are being requested to support the project, with justification where necessary? We will also take into account whether the program represents value for money and would welcome a financial contribution from the mentee's home institution.

The MyMentor Management Board will consider the applications, producing a ranking. The top *n* (where *n* is the number to be funded that year) will be funded, assuming that the project has crossed a threshold which says that the project is fundable.

2.0 Capabilities

The three institutions involved in this initiative are all broad based universities. As such, they are able to cover a wide variety of disciplines. However, to give some idea of some of their expertise we have provided a short summary in Appendix D (UNMC), Appendix E (USMC) and Appendix F (MUM) of the main capabilities of each institution.

The table of contents and the Researcher's Guide table is designed to give easy navigation. When you click the respective university from the table of contents that will take you to the list of researchers from that university. Click on the researcher's name and that will take you to the researchers compatibility statement.

3.0 Researcher’s Guide

Mentors		Research Areas															
		Science															
Name	ID	Computer Science	Psychology	Pharmacy	Chemistry	Geography	Ecology	Medicine	Biomedical	Applied Microbiology	Biology	Biosciences	Biotechnology	Food Technology	Food Security	Neuroscience	Physical Science
Dr. Abdur Rakib	4.1.1	√															
Dr Ahmed Dahir Mohamed	4.1.2		√													√	
Dr Ai Bao Chai	4.1.3																
Dr.Albert Tshai Kim Yeow	4.1.4																
Dr.Amin Malekmohammadi	4.1.5																
Professor Arusha Cooray	4.1.6																
Professor Asgar Ali	4.1.7											√		√	√		
Dr. Carol Hooi	4.1.8																
Dr.Chin Chiew Foan	4.1.9											√		√			
Dr. Lim Chin Seong	4.1.10																
Professor Chong Mei Fong	4.1.11																
Dr. Siang Yew Chong	4.1.12	√															
Dr. Chiang Choon Lai	4.1.13																
Dr. Chris Roadknight	4.1.14	√															
Dr. Chuen-Khee PEK	4.1.15																
Professor Claire O’Malley	4.1.16	√	√														
Professor Dominic C. Y. Foo	4.1.17																
Dr. Md Enamul Hoque	4.1.18												√	√			
Dr. Ernesto Hernandez	4.1.19												√				

		Engineering					
Name	ID	Engineering	Mathematics	Electrical & Electronics	Chemical	Mechanical,Materials & Manufacturing	Environment
Dr. Abdur Rakib	4.1.1						
Dr Ahmed Dahir Mohamed	4.1.2						
Dr Ai Bao Chai	4.1.3					√	
Dr.Albert Tshai Kim Yeow	4.1.4					√	
Dr.Amin Malekmohammadi	4.1.5			√			
Professor Arusha Cooray	4.1.6						
Professor Asgar Ali	4.1.7						
Dr. Carol Hooi	4.1.8						
Dr.Chin Chiew Foan	4.1.9						
Dr. Lim Chin Seong	4.1.10					√	
Professor Chong Mei Fong	4.1.11				√		√
Dr. Siang Yew Chong	4.1.12						
Dr. Chiang Choon Lai	4.1.13				√		√
Dr. Chris Roadknight	4.1.14						
Dr. Chuen-Khee PEK	4.1.15						√
Professor Claire O’Malley	4.1.16						
Professor Dominic C. Y. Foo	4.1.17						√
Dr. Md Enamul Hoque	4.1.18					√	
Dr. Ernesto Hernandez	4.1.19				√		√

		Arts & Social Sciences														
Name	ID	Education	Educational Leadership and Management	Politics	International Relations	Law	Accounting.Auditing &Taxation	Finance	Banking	Business	Management	Leadership	Econimics	Modern Languages & Cultures	Human Resource & Organisational	Tourism
Dr. Abdur Rakib	4.1.1															
Dr Ahmed Dahir Mohamed	4.1.2															
Dr Ai Bao Chai	4.1.3															
Dr.Albert Tshai Kim Yeow	4.1.4															
Dr.Amin Malekmohammadi	4.1.5															
Professor Arusha Cooray	4.1.6										√		√			
Professor Asgar Ali	4.1.7															
Dr. Carol Hooi	4.1.8									√					√	
Dr.Chin Chiew Foan	4.1.9															
Dr. Lim Chin Seong	4.1.10															
Professor Chong Mei Fong	4.1.11															
Dr. Siang Yew Chong	4.1.12															
Dr. Chiang Choon Lai	4.1.13															
Dr. Chris Roadknight	4.1.14															
Dr. Chuen-Khee PEK	4.1.15									√						
Professor Claire O’Malley	4.1.16	√														
Professor Dominic C. Y. Foo	4.1.17															
Dr. Md Enamul Hoque	4.1.18															
Dr. Ernesto Hernandez	4.1.19															

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Professor Graham Kendall	4.1.20	√																														√										
Dr. Hii Ching Lik	4.1.21													√	√							√		√																		
Dr.Ho Jee-Hou	4.1.22																						√																				
Dr.Hon Loong Lam	4.1.23																					√		√																		
Dr. Iman Yi Liao	4.1.24	√																																								
Dr. Jayalakshmy Ramachandran	4.1.25																													√	√		√									
Dr. Julien Mayor	4.1.26	√	√																																							
Dr. Kalaimagal Ramakrishnan	4.1.27	√																							√																		
Dr. Khiew Poi Sim	4.1.28																						√																				
Dr.Khoo Gaik Cheng	4.1.29																		√																			√					
Dr. Kinya Hotta	4.1.30										√								√																								
Ir. Professor Law Chung Lim	4.1.31												√	√								√		√																		
Dr. Lee Chan Wai	4.1.32																						√										√	√								
Dr. Mamunur Rashid	4.1.33																														√		√			√						
Dr.Maniam Kaliannan	4.1.34																																	√				√				
Dr Matthew Ashfold	4.1.35											√																														
Dr. Md Mobin Siddique	4.1.36								√			√																														
Dr. Nafis Alam	4.1.37																														√	√	√								
Dr.Nashiru Billa	1.1.1			√																																					
Dr.Ong Sze Pheng	4.1.39													√	√							√		√																		
Dr. Pan Yan	4.1.40			√					√																																
Dr. Rasyad Parinduri	4.1.41																																√			√						

Mentors		Research Areas																																				
		Science																Engineering						Arts & Social Sciences														
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Dr.Sandy Loh Hwei San	4.1.42								√			√																										
Dr. Shafi Mohammad Tareq	4.1.43											√											√															
Dr. Show Pau Loke	4.1.44									√											√		√															
Professor Sivakumar Manickam	4.1.45																				√		√															
Professor Stephen Doughty	4.1.46			√																																		
Dr. Suzanne McGowan	4.1.47					√																																
Dr. Tapan Kumar Nath	4.1.48											√											√															√
Dr. Teo Lee Peng	4.1.49																		√																			
Dr.Then Sue-Mian	4.1.50								√		√																											
Dr.Tiong Timm Joyce	4.1.51																				√		√															
Dr.Ting Kang Nee	4.1.52			√					√																													
Professor Tony Bush	4.1.53																							√	√													
Dr. Tuong-Thuy Vu	4.1.54					√																	√															
Dr.Yuh-Fen, Pun	4.1.55								√		√																											
Adeline Ting Su Yien	4.2.1									√																												
Dr Ai Kah, Soh	4.2.2																					√																
Dr. Anton V. Dolzhenko	4.2.3			√																																		
Dr. Babak Salamatinia	4.2.4																				√		√															
Dr.Catherine Yule	4.2.5						√																															
Dr Chew Esyin	4.2.6	√																																				
Professor Chow Sek Chuen	4.2.7										√																											
Dr. David James Young	4.2.8				√																																	
Dr.David Wu	4.2.9			√																																		
Professor Eduard Bomhoff	4.2.10																															√			√			

Mentors		Research Areas																																										
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Professor Ferdinand A.K. Gul	4.2.11																												√	√		√											
Professor Gamini Herath	1.1.1																						√									√			√								
Dr. Grace Lee Hooi Yean	4.2.13																															√			√								
Professor Iain L Densten	4.2.14																															√		√			√						
Professor Ishwar Parhar	4.2.15												√			√																												
Dr Jane Tong	4.2.16																															√	√	√			√						
Professor Jeyapalan Kasipillai	4.2.17																											√		√		√											
Professor Joshua Li	4.2.18	√																	√																									
Professor Kenneth Lee	4.2.19			√																																							
Dr.Keshab Shrestha	4.2.20																													√		√											
Dr. Kuang Ye Chow	4.2.21																	√																										
Dr. Mahendhiran Nair	4.2.22																															√			√								
Dr.Marco Buente	4.2.23																									√	√																
Dr. Maude E. Phipps	4.2.24							√																																			
Dr. Md. Ezharul Hoque Chowdhury	4.2.25							√																																			
Dr. Melanie Ooi	4.2.26	√																√																										
Dr Meng Nan, Chong	4.2.27																				√		√																				
Professor Nathorn Chaiyakunapruk	4.2.28			√																																							
Dr.Ooi Ean Hin	4.2.29																					√																					
Professor Pervaiz K Ahmed	4.2.30																															√	√										
Dr.Poh Phaik Eong	4.2.31																				√		√																				

Research Areas

Science

Name	ID	Computer Science	Psychology	Pharmacy	Chemistry	Geography	Ecology	Medicine	Biomedical	Applied Microbiology	Biology	Biosciences	Biotechnology	Food Technology	Food Security	Neuroscience	Physical Science
Dr.Pooria Pasbakhsh	4.2.32																
Dr. R. Nagasundara Ramanan	4.2.33												√				
Professor S. G. Ponnambalam	4.2.34																
Dr.Sadequr Rahman	4.2.35											√					
Dr. Santha Vaithilingam	4.2.36																
Dr.Satoshi Ogawa	4.2.37							√								√	
Dr. Sharifah Syed Hassan	4.2.38							√									
Dr.Shogo Moriya	4.2.39															√	
Dr Siow Lee Fong	4.2.40				√									√			
Professor . Sunil K. Lal	4.2.41								√		√						
Dr. Tam Cai Lian	4.2.42							√									
Professor Tey Beng Ti	4.2.43												√				
Dr.Tomoko Soga	4.2.44							√								√	
Dr.Uma Devi Palanisamy	4.2.45							√									
Dr Varghese Swamy	4.2.46																
Dr. Wang, Xin	4.2.47	√															
Prof.J.W.McBride	4.3.1																
Dr. Jo-Han Ng	4.3.2																
Dr Low Siow Yong	4.3.3	√															
Dr.Mihai Dragos Rotaru	4.3.4	√															√
Dr. Neil Gordon Stephen	4.3.5																
Dr. Seung Hwan Won	4.3.6	√															

Engineering

Name	ID	Engineering	Mathematics	Electrical & Electronics	Chemical	Mechanical,Materials & Manufacturing	Environment
Dr.Pooria Pasbakhsh	4.2.32					√	
Dr. R. Nagasundara Ramanan	4.2.33	√					
Professor S. G. Ponnambalam	4.2.34					√	
Dr.Sadequr Rahman	4.2.35						
Dr. Santha Vaithilingam	4.2.36						
Dr.Satoshi Ogawa	4.2.37						
Dr. Sharifah Syed Hassan	4.2.38						
Dr.Shogo Moriya	4.2.39						
Dr Siow Lee Fong	4.2.40						
Professor . Sunil K. Lal	4.2.41						
Dr. Tam Cai Lian	4.2.42						
Professor Tey Beng Ti	4.2.43	√					
Dr.Tomoko Soga	4.2.44						
Dr.Uma Devi Palanisamy	4.2.45						
Dr Varghese Swamy	4.2.46	√					
Dr. Wang, Xin	4.2.47	√					
Prof.J.W.McBride	4.3.1	√					
Dr. Jo-Han Ng	4.3.2	√					√
Dr Low Siow Yong	4.3.3			√			
Dr.Mihai Dragos Rotaru	4.3.4	√		√			
Dr. Neil Gordon Stephen	4.3.5	√					√
Dr. Seung Hwan Won	4.3.6			√			

Arts & Social Sciences

Name	ID	Education	Educational Leadership and Management	Politics	International Relations	Law	Accounting,Auditing &Taxation	Finance	Banking	Business	Management	Leadership	Econimics	Modern Languages & Cultures	Human Resource & Organisational	Tourism
Dr.Pooria Pasbakhsh	4.2.32															
Dr. R. Nagasundara Ramanan	4.2.33															
Professor S. G. Ponnambalam	4.2.34															
Dr.Sadequr Rahman	4.2.35															
Dr. Santha Vaithilingam	4.2.36									√			√			
Dr.Satoshi Ogawa	4.2.37															
Dr. Sharifah Syed Hassan	4.2.38															
Dr.Shogo Moriya	4.2.39															
Dr Siow Lee Fong	4.2.40															
Professor . Sunil K. Lal	4.2.41															
Dr. Tam Cai Lian	4.2.42															
Professor Tey Beng Ti	4.2.43															
Dr.Tomoko Soga	4.2.44															
Dr.Uma Devi Palanisamy	4.2.45															
Dr Varghese Swamy	4.2.46															
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Dr. Jo-Han Ng	4.3.2															
Dr Low Siow Yong	4.3.3															
Dr.Mihai Dragos Rotaru	4.3.4															
Dr. Neil Gordon Stephen	4.3.5															
Dr. Seung Hwan Won	4.3.6															

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Dr Stuart C. Clarke	4.3.7							√																															
Dr. William R. Birch	4.3.8																	√					√																

4.0 MyMentor Capabilities

4.1 University of Nottingham Malaysia Campus

Dr. Abdur Rakib

Dr. Ahmed Dahir Mohamed

Dr. Ai Bao Chai

Dr. Albert Tshai Kim Yeow

Dr.Amin Malekmohammadi

Professor Arusha Cooray

Professor Asgar Ali

Dr. Carol Hooi

Dr.Chin Chiew Foan

Dr. Lim Chin Seong

Professor Chong Mei Fong

Dr. Siang Yew Chong

Dr. Chiang Choon Lai

Dr. Chris Roadknight

Dr. Chuen-Khee PEK

Professor Claire O'Malley

Professor Dominic C. Y. Foo

Dr. Md Enamul Hoque

Dr. Ernesto Hernandez

Professor Graham Kendall

Dr. Hii Ching Lik

Dr. Jee-Hou Ho

Dr.Hon Loong Lam

Dr. Iman Yi Liao

Dr. Jayalakshmy Ramachandran

Dr. Julien Mayor

Dr. Kalaimagal Ramakrishnan

Dr. Khiew Poi Sim

Dr.Khoo Gaik Cheng

Dr. Kinya Hotta

Ir. Prof. Law Chung Lim

Dr. Lee Chan Wai

Dr. Mamunur Rashid

Dr.Maniam Kaliannan

Dr Matthew Ashfold

Dr. Md Mobin Siddique

Dr. Nafis Alam

Dr.Nashiru Billa

Dr.Ong Sze Pheng

Dr. Pan Yan

Dr. Rasyad Parinduri

Dr.Sandy Loh Hwei San

Dr. Shafi Mohammad Tareq

Dr. Show Pau Loke

Professor Sivakumar Manickam

Professor Stephen Doughty

Dr. Suzanne McGowan

Dr. Tapan Kumar Nath

Dr. Teo Lee Peng

Dr.Then Sue-Mian

Dr.Tiong Timm Joyce

Dr.Ting Kang Nee

Professor Tony Bush

Dr. Tuong-Thuy Vu

Dr.Yuh-Fen, Pung

4.1.1 Dr. Abdur Rakib

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Computer Science
Main Research Area(s)	Semantic web, Multi-agent systems, Formal verification, Model checking
Name	Dr. Abdur Rakib
EMAIL	Abdur.Rakib@nottingham.edu.my go4rakib@gmail.com
URL	http://kefzabr.jupiter.nottingham.edu.my/

Give a brief description of your research interests and/or expertise.

My research interests and activities are in the area of formal modeling and verification of agent-based systems. This covers the foundations as well as the design, implementation, and application of intelligent agents to social complex systems. I am also interested in Semantic Web-&-Agent Technologies, knowledge representation and reasoning using ontologies, and ontology-driven context-aware systems. The key areas I have experience include:

- Logics for multi-agent systems (specifically, temporal epistemic logics)
- System modeling using ontologies
- System verification using model checking techniques
- Knowledge representation and reasoning over heterogeneous data sources
- Designing and verifying smart space systems (specifically, context-aware systems)

The main aim of our research is to examine the modelling principles and various verification approaches of intelligent reasoning systems, and to increase the cross-fertilization and the advancement of ideas on the design, implementation, and application of context-aware systems to social complex systems, including health-care systems, emergency scenarios, and disaster recovery.

List up to 10 of your most recent or most important papers, giving the full citation

1. Rakib, A., Haque, H. M., 2014: A logic for context-aware non-monotonic reasoning agents. In 13th Mexican International Conference on Artificial Intelligence, F. Castro, S. N. G. Haro and A. Gelbukh (eds.) Lecture Notes in Computer Science @Springer, Volume 8856 (In press).
2. Rakib, A., Haque, H. M., 2014: A Logical Framework for the Representation and Verification of Context-aware Agents. In Journal of Mobile Networks and Applications@Springer US, Volume 19, Issue 5,Pages 585-597, 2014.
3. Rakib, A., Haque, H. M., Faruqui, R.U., 2013: A temporal description logic for resource-bounded rule-based context-aware agents. In P.C. Vinh et al. (Eds.), LNICST@Springer-Verlag, Revised Selected Papers, Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, Pages 3-14, Volume 128, 2013.
4. Rakib, A., Faruqui, R.U., 2012: A formal approach to modelling and verifying resource-bounded context-aware agents. In P.C. Vinh et al. (Eds.) LNICST@Springer-Verlag, Revised Selected Papers, Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, Pages 86-96, Volume 109, 2013.
5. Rakib, A., Faruqui, R.U., MacCaull, W., 2012: Verifying resource requirements for ontology-driven rule-based agents. In Proceedings of the Seventh International Symposium on Foundations of Information and Knowledge Systems (FoIKS'12), T. Lukasiewicz and A. Sali (eds.) LNCS@Springer-Verlag, Pages 313-332, Volume 7153/2012.
6. Alechina, N., Logan, B., Nga, N.H., Rakib, A., 2011: Logic for coalitions with bounded resources. Journal of Logic and Computation, 21(6): 907-937, Oxford University Press, 2011.
7. Alechina, N., Logan, B., Nga, N.H., Rakib, A., 2010: Resource-bounded alternating-time temporal logic. In Proceedings of the Ninth International Conference on Autonomous Agents and Multiagent Systems (AAMAS'10),Wiebe van der Hoek, Gal A. Kaminka, Yves Lespérance, Michael Luck and Sandip Sen (eds.)@IFFAAMAS Press, pp. 481-488, 2010.
8. Alechina, N., Logan, B., Nga, N.H., Rakib, A., 2010: Resource-bounded alternating-time temporal logic. In Proceedings of the Ninth International Conference on Autonomous Agents and Multiagent Systems (AAMAS'10),Wiebe van der Hoek, Gal A. Kaminka, Yves Lespérance, Michael Luck and Sandip Sen (eds.)@IFFAAMAS Press, pp. 481-488, 2010.
9. Alechina, N., Logan, B., Nga, N.H., Rakib, A., 2009: Verifying time, memory and communication bounds in systems of reasoning agents. Journal Synthese@Springer-Verlag, Pages 385-403,Volume 169, Number 2 / July, 2009.
10. Alechina, N., Logan, B., Nga, N.H., Rakib, A., 2009: A Logic for Coalitions with Bounded Resources. In Proceedings of the 21st International Jont Conference on Artifical Intelligence (IJCAI'09), Craig Boutilier (edt.) @AAAI Press, Volume 2, Pages 659-664, 2009.

How many publications, in total, have you published?

24

List any patents you have registered

0

4.1.2 Dr Ahmed Dahir Mohamed

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Psychology/Faculty of Science
Main Research Area(s)	Currently investigating ways to enhance cognition in young adolescents and adults, using non-invasive and non-pharmacological techniques. I use PET, fMRI, EEG and behavioural tasks to investigate how to improve cognition in healthy adults and in patients with neuropsychiatric disorders.
Name	Dr Ahmed Dahir Mohamed
EMAIL	ahmed.mohamed@nottingham.edu.my
URL	http://www.nottingham.edu.my/Psychology/People/ahmed.

Give a brief description of your research interests and/or expertise

I am currently interested in investigating ways to enhance cognition in young adolescents and adults, using non-invasive and non-pharmacological techniques. I use PET, fMRI, EEG and behavioural tasks to investigate how to improve cognition in healthy adults and in patients with neuropsychiatric disorders.

List up to 10 of your most recent or most important papers, giving the full citation

1. MOHAMED, A D, 2014. Reducing Creativity With Psychostimulants May Debilitate Mental Health and Well-Being.Journal of Creativity in Mental Health. 9(1), 1-18 (In Press.)
2. MOHAMED, AD, 2014. The Effects of Modafinil on Convergent and Divergent Thinking of Creativity: A Randomized Controlled Trial The Journal of Creative Behavior.
3. MOHAMED, 2014. Neuroethical issues in pharmacological cognitive enhancement Wiley Interdisciplinary Reviews: Cognitive Science. 5(5), 533-549
4. MOHAMED AD and SAHAKIAN BJ, 2012. The ethics of elective psychopharmacology. The international journal of neuropsychopharmacology / official scientific journal of the Collegium Internationale Neuropsychopharmacologicum (CINP). 15(4), 559-71

5. LOEWENTHAL, D., MOHAMED, A D, MUKHOPADHYAY, S., GANESH-HARI, K, THOMAS, R., 2012. Reducing the barriers to accessing psychological therapies for Bengali, Urdu, Tamil and Somali communities in the UK: some implications for training, policy and practice. British Journal of Guidance & Counselling.. 40(1), 43-66

6. MOHAMED, A D, 2012. Modafinil has the potential for addiction. American Journal of Bioethics: Neuroscience. 3,36-38

7. MOHAMED, A D, 2012. The effects of modafinil on 'cold' cognition, creativity, and motivation in healthy volunteers. *In:* The International Journal of Neuropsychopharmacology. The 28th CINP World Congress of Neuropsychopharmacology. 15. 239-240

8. MOHAMED, A D & LOEWENTHAL, D, 2009. Is it possible to ethically research the mental health needs of the Somali communities in the UK? Journal of Ethics in Mental Health. 4 (1), 9-14

How many publications, in total, have you published?

8

List any patents you have registered

1 Oxford University Handbook Contract (co-editor with two professors)

4.1.3 Dr Ai Bao Chai

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Mechanical, Materials and Manufacturing Engineering
Main Research Area(s)	Elastomers, biomaterials, soft biological tissues, biocomposites
Name	Dr Chai Ai Bao
EMAIL	Aibao.chai@nottingham.edu.my
URL	

Give a brief description of your research interests and/or expertise

Conventionally, composites are reinforced with synthetic fibers to enhance the mechanical properties of the composite systems. However, the petroleum reservoir is depleting and the world is facing environmental degradation due to excessive non-degradable waste materials. Hence, developing alternative composite materials which are cost effective, environmental friendly and biodegradable at the product end of life are amongst the most highly regarded research initiative.

Our research focuses on petrochemical based (i.e. rubbers) and bio-based (i.e. polylactide acid (PLA)) matrices utilizing natural reinforcing fibers (i.e. kenaf fibre) biocomposites. We study the mechanical, thermal, morphological, chemical resistance and water absorption properties of the biocomposites and also evaluate the mechanical performance of the biocomposites in service conditions aiming at producing durable and robust biocomposites.

List up to 10 of your most recent or most important papers, giving the full citation

1. Tshai, K.Y., Chai, A.B., Kong, I., Hoque, M.E., Tshai, K.H. (2014). Hybrid Fibre Polylactide Acid Composite with Empty Fruit Bunch – Chopped Glass Strands. J. Compos., (In press).
2. Tshai, K.Y., Wong, K.C., Tan, W.J., Chai, A.B. (2014). The effects of laminate orientation in resin infused kenaf fibre reinforced epoxy composite. Appl. Mech. Mater., 627: 24-28.
3. Chai, A.B., Verron, E., Andriyana, A., and Johan, M.R. (2013). Mullins effect in swollen rubber: Experimental investigation and constitutive modeling. Polym. Test., 32: 748-759.
4. Chai, A.B., Andriyana, A., Verron, E., and Johan, M.R. (2013). Diffusion of biodiesel in rubber and the resulting mechanical response under cyclic loading. Defect Diffus. Forum, 334-335: 111-116.

5. Chai, A.B., Andriyana, A., Verron, E., and Johan, M.R. (2013). Mechanical characteristics of swollen elastomers under cyclic loading. Mater. Design., 44: 566-572.
6. Chai, A.B., Andriyana, A., Ch'ng, S.Y., Verron, E., and Johan, M.R. (2013). Modeling the Mullins effect in swollen rubber. In: Constitutive Models for Rubber VIII. Gil-Negrete & Alonso (eds). Page 443-448. Taylor & Francis Group Publisher. ISBN 978 1 138 00072 8.
7. Andriyana, A., Chai, A.B., Verron, E., and Johan, M.R. (2012). Interaction between diffusion of palm biodiesel and large strain in rubber: Effect on stress-softening during cyclic loading. Mech. Res. Commun.,43: 80-86.
8. Chai, A. B., Andriyana, A., Verron, E., Johan, M. R., & Haseeb, A. S. M. A. (2011). Development of a compression test device for investigating interaction between diffusion of biodiesel and large deformation in rubber. Polym. Test., 30(8), 867-875.
9. Andriyana, A., Chai, A.B., Verron, E., Johan, M.R., and Haseeb, A.S.M.A. (2011). Coupling between diffusion of biodiesel and large deformation in rubber: Effect on the mechanical response under cyclic loading conditions. In: Constitutive Models for Rubber VII. Jerrams and Murphy (eds). Page 283-288. Taylor & Francis Group Publisher. ISBN 978 0 415 68389 0.
10. Chai, A.B., Andriyana, A., Verron, E., Johan, M.R., and Haseeb, A.S.M.A. (2011). Development of an experimental device to investigate mechanical response of rubber under simultaneous diffusion and large strain compression. In: Constitutive Models for Rubber VII. Jerrams and Murphy (eds). Page 391-396. Taylor & Francis Group Publisher. ISBN 978 0 415 68389 0.

How many publications, in total, have you published?

10

List any patents you have registered

0

4.1.4 Dr. Albert Tshai Kim Yeow

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Mechanical, Materials and Manufacturing Engineering
Main Research Area(s)	Polymer processing, Materials Modeling, Fiber Reinforced Composites, FEA, Process Modeling and Optimizations
Name	Tshai Kim Yeow
EMAIL	Kim-Yeow.Tshai@nottingham.edu.my
URL	http://www.nottingham.edu.my/Engineering/Departments/M3/People/kim-yeow.tshai

Give a brief description of your research interests and/or expertise

In the industry, a large proportion of polymer processing methods for mass manufacturing of plastic parts and the design of polymer composites for various structural applications are not operating in their optimum performance.

If you ever wish to maximise material properties, improve part reliability and reduce part weight, time, energy, waste etc., then we can work out an optimised solution.

The areas we have experience include (but, we can tackle many other areas)

- Injection molding
- Blow molding
- Thermoforming
- Biodegradable polymers / polymer composites
- Fibre reinforced composite
- Nanocomposite
- Finite element analysis
- Material characterization
- Constitutive material modeling
- Composite pipeline rehabilitation system

We applied fundamental principles with 'state-of-the-art' techniques to ensure properties and performance are perfectly adapted to design specifications. Our team combine curiosity-driven research with application-driven objectives, leading the development of advanced scientific discovery in the field of polymer composites.

List up to 10 of your most recent or most important papers, giving the full citation

1. P.H. CHAN, K.Y. TSHAI, M. JOHNSON and S. LI, 2014. FEA of combined static loadings on offshore pipe riser repaired with fibre reinforced composite laminates. Journal of Reinforced Plastics and Composites. 33(6), 514-525
2. K.Y. TSHAI, E.M.A. HARKIN-JONES and P.J. MARTIN, 2014. Chapter 9: Performance of hyperelastic material laws in simulating biaxial deformation response of polypropylene and high impact polystyrene. In: NICOLA BONORA and ERIC BROWN, eds., Numerical Modeling of Materials Under Extreme Conditions 35. Springer-Verlag Berlin Heidelberg. 199-230
3. P.H. CHAN, K.Y. TSHAI, M. JOHNSON, H.L. CHOO, S. LI and K. ZAKARIA, 2014. Burst strength of carbon fibre reinforced HDPE strip pipeline repair system - a numerical and experimental approach. Journal of Composite Materials (in press)
4. P.H. CHAN, K.Y. TSHAI, M. JOHNSON and S. LI, 2014. Chapter 10: FEA Modelling of FRP Repair in Offshore Risers. In: PROFESSOR VISTASP KARBHARI, ed., Rehabilitation of pipelines using fibre reinforced polymer (FRP) composites: 3. Design and Analysis Woodhead Publishing Ltd UK (in press)
5. P.H. CHAN, K.Y. TSHAI, M. JOHNSON and H.L. CHOO, 2014. Finite Element Modelling of Static and Fatigue Failure of Composite Repair System in Offshore Pipe Risers. Advanced Materials Research, 875-877, 1063-1068
6. K.Y. TSHAI, A.B. CHAI, I. KONG, M.E. HOQUE and K.H. TSHAI, 2014. Hybrid Fibre Polylactide Acid Composite with Empty Fruit Bunch – Chopped Glass Strands. Journal of Composites (in press)
7. K.Y. TSHAI, K.C. WONG, W.J. TAN and A.B. CHAI, 2014. The Effects of Laminate Orientation in Resin Infused Kenaf Fibre Reinforced Epoxy Composite. Applied Mechanics and Materials, 627, 24-28
8. B. SATHEESH, N. WARRIOR and K.Y. TSHAI, 2014. Mechanical Properties of DGEBA/Amidoamine Blend at non-Stoichiometric Ratios. Applied Mechanics and Materials, 597, 63-71
9. B. SATHEESH, K.Y. TSHAI and N. WARRIOR, 2014. Thermal and Morphological Properties of Chitosan Filled Epoxy. Applied Mechanics and Materials, 627, 12-17
10. SI-CHUNG JONG and K.Y. TSHAI, 2014. Finite Element Analysis of Underground Storage Tank Subjected to External Loadings. International Journal of the Institute of Materials Malaysia (IJIMM), 1(2) (in press)

How many publications, in total, have you published?

>50

List any patents you have registered

0

4.1.5 Dr.Amin Malekmohammadi

Institution	The University of Nottingham, Malaysia Campus
School/Department/Faculty	Electrical and Electronic Engineering
Main Research Area(s)	Optical Fiber Communication systems, Transmission systems including advance modulation and multiplexing techniques, Photonic Devices and optical signal processing
Name	Amin Malekmohammadi
EMAIL	Amin.Malek@nottingham.edu.my
URL	http://www.nottingham.ac.uk/engineering/departments/eee/people/amin.malek

Give a brief description of your research interests and/or expertise

For more than nine years, I have worked in the area of advanced modulation and multiplexing techniques, especially in test and measurement of coherent communication systems, advanced modulation formats, long distance signal transmission and signal processing techniques for next generation of optical communications. This has resulted in the publication of more than 55 journal articles, international conference papers, and book chapters; 4 patents and several medals and awards in international and national exhibitions.

List up to 10 of your most recent or most important papers, giving the full citation

1. M.A. Elsherif, A. Malekmohammadi, "Performance Enhancement of Mapping Multiplexing Technique (MMT) Utilizing Dual-Drive Mach-Zehnder Modulator for Metropolitan Area Networks, IET Optoelectronics, 2014, in press
2. M. Saqlain, A. MalekMohammadi, S. Kamal, A. Ehsan, "Self phase modulation effects on dispersion compensated tributary mapping multiplexing transmission", Science International-Lahore, Vol. 26, Issue 3, Aug 2014, pp. 1085-1089
3. A.Malekmohammadi, M.A. Elsherif, "A novel multilevel coding technique for high speed optical fiber communication systems" Optik - Int. J. Light Electron Opt., Vol 125, Issue 2, January 2014, pp. 639–643
4. M.A. Elsherif, A. Malekmohammadi, "'The Impact of Self-Phase Modulation on Dispersion Compensated Mapping Multiplexing Technique", International Journal of Electrical, Robotics, Electronics and Communications Engineering. Vol. 7, Issue 8, 2013, pp. 565,571
5. Mohamed A. Elsherif and A. Malekmohammadi, "Performance Improvement of Mapping Multiplexing Technique (MMT) Using Dual Drive Mach-Zehnder Modulator at 40 Gb/s", The 23rd IEEE Wireless and Optical Communication Conference(WOCC 2014) 2014, NJIT, Newark, New Jersey, U.S.A.

6. Mohamed A. Elsherif and A. Malekmohammadi, "The Impact of Self-Phase Modulation on Dispersion Compensated Mapping Multiplexing Technique (MMT)", International Conference on Mobile, Wireless and Optical Communication, ICMWOC 2013, Paris, France
7. Amin Malekmohammadi, "Influence of Guard Band on Performance of Absolute Polar Duty Cycle Division Multiplexing Over a Single Wavelength and Wavelength Division Multiplexing System" Optik, International Journal for Light and Electron, Elsevier, vol. 123, 2012, pp. 1862–1866,
8. A.Malekmohammadi, M.H. Al-Mansoori, G.A.Mahdiraji, A.F. Abas, M. Khazani "Performance enhancement of Absolute Polar Duty Cycle Division Multiplexing with Dual-Drive Mach–Zehnder-Modulator in 40 Gbit/s optical fiber communication systems", Optics Communications, Vol 283, 2010, pp.3145-3148
9. G.A. Mahdiraji, M.K. Abdullahb, A. MalekMohammadi, A.F. Abasa, M. Mokhtara and E. Zahedic, "Duty-cycle division multiplexing" Optics & Laser Technology, Volume 42, Issue 2, March 2010, Pages 289-295.
10. Amin Malekmohammadi, A. F. Abas, M. K. Abdullah, G. A. Mahdiraji, M. Mokhtar, M. Fadlee.A. Rasid, "Absolute Polar Duty Cycle Division Multiplexing over Wave Length Division Multiplexing System", Optics Communications, Vol 282, pp.4233-424, Nov. 2009

How many publications, in total, have you published?

>55

List any patents you have registered

1. A new multiplexer, Demultiplexer and data recovery rules for DCDM technique (Malaysia PI20095256)
2. Absolute Polar Duty Cycle Division Multiplexing for optical communication (Malaysia PI20095257)
3. Demultiplexer and Data Recovery Rules for Absolute Polar Duty Cycle Division Multiplexing (Malaysia PI20093633)
4. A coding method for optical communication systems (PI2012700631)

4.1.6 Professor Arusha Cooray

Institution	The University of Nottingham, Malaysia Campus
School/Department/Faculty	Business School
Main Research Area(s)	Applied Macroeconomics
Name	Professor Arusha Cooray
EMAIL	Arusha.Cooray@nottingham.edu.my
URL	http://www.nottingham.edu.my/Business/People/arusha.cooray

Give a brief description of your research interests and/or expertise

My research interests lie in the area of Applied macroeconomics, specifically, development macroeconomics, open economy macroeconomics and macro-finance. While I work on developed countries as well, I am especially interested in the developing countries. I have worked on issues related to growth, education, banking, and the open economy to name a few.

List up to 10 of your most recent or most important papers, giving the full citation

1. Cooray A and Tamazian A, What Drives FDI Policy Liberalization? An Empirical Investigation, Regional Science and Urban Economics, forthcoming
2. Cooray A. (2014) Who Remits: An Examination of Emigration by Education Level and Gender, The World Economy, forthcoming
3. Cooray A. (2014) Ethnic or Political Fractionalization? A District Level Analysis of the Provision of Public Goods in Sri Lanka, Growth and Change, forthcoming.
4. Apergis N and Cooray A (2014) Tax Revenues Convergence across ASEAN, Pacific and Oceania Countries: Evidence from Club Convergence, Journal of Multinational Financial Management, 27(October), 11-21
5. Cooray A. (2014) Do Low Skilled Migrants Contribute More to Home Country Income? Evidence from South Asia, B.E Journal of Economic Analysis and Policy, 14(3), 1185-1212.
6. Cooray A, Verma R and Wright L. (2014) Does a Gender Disparity Exist in Academic Rank? Evidence from an Australian University, Applied Economics, 46 (20), 2441-2451.

7. Apergis N and Cooray A (2014) Convergence in Sovereign Debt Ratios across Highly in Debt EU Countries: Evidence from Club Convergence, Applied Economics Letters, 21(11), 786-788.
8. Cooray A, Mallick S and Dutta N. (2014) Gender Specific Human Capital, Openness and Growth: Exploring the Linkages for South Asia, Review of Development Economics, 18 (1), 107-122.
9. Cooray A. and Mallick D. (2013) International Business Cycles and Remittance Flows, B.E. Journal of Macroeconomics, 13(1), 1-33.
10. Pourazarm E and Cooray A. (2013) Estimating and Forecasting Residential Electricity Demand in Iran, Economic Modelling, 35, September, 546-558.

How many publications, in total, have you published?

>70 (including working papers and conference papers)

List any patents you have registered

0

4.1.7 Professor Asgar Ali

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Biosciences, Faculty of Science
Main Research Area(s)	Horticulture, Postharvest physiology and technology, fruits and vegetables, postharvest losses, food technology and food security
Name	Professor Asgar Ali
EMAIL	Asgar.Ali@nottingham.edu.my
URL	www.nottingham.edu.my/Biosciences/People/asgar.ali www.nottingham.edu.my/cepb

Give a brief description of your research interests and/or expertise

Experiences span across knowledge of the physiology and biochemistry of fruits and vegetables to the field of post-harvest technology. Primarily the isolation and characterization of bioactive compounds extracted from fruits and vegetables as well as their effect on human health and well-being is a subject of great experience. Additionally, the analysis of physico-chemical and sensory characteristics of fruits, vegetables and flowers is another area of in-depth understanding. Moreover, an elaborate level of expertise has also been acquired in the field of post-harvest quality and shelf-life of fruits and vegetables. This field also includes thorough knowledge of postharvest technologies to extend the shelf life of perishable fruits and vegetables, with particular emphasis on novel technologies to extend storage and shelf-life of fruits and vegetables. Our research also focuses on alternative management of postharvest diseases of horticultural produce.

List up to 10 of your most recent or most important papers, giving the full citation

1. Nurul Alya Alwi and Asgar Ali (2014). Reduction of Escherichia coli O157, Listeria monocytogenes and Salmonella enterica sv. Typhimurium populations on fresh-cut bell pepper using gaseous ozone. Food Control, 46:304-3-11.
2. Asgar Ali, Noosheen Zahid, Sivakumar Manickam, Yasmeen Siddiqui, Peter Alderson and Mehdi Maqbool (2014). Induction of lignin and pathogenesis related proteins in dragon fruit plants in response to submicron chitosan dispersions. Crop Protection 63: 83-88.

3. Asgar Ali, Chow Wei Ling, Ong Mei Kying, Noosheen Zahid (2014). Efficacy of propolis and cinnamon oil in controlling postharvest anthracnose and quality of chilli (Capsicum annuum L.) during cold storage. Food and Bioprocess Technology, 7(8):2742-2748.
4. Asgar Ali, Noosheen Zahid, Yasmin Siddiqui, Peter Alderson (2014). Double layer coatings: A new technique for maintaining physico-chemical characteristics and antioxidant properties of dragon fruit during storage. Food and Bioprocess Technology, 7 (8): 2366-2374.
5. Maysoun A. Mustafa, Asgar Ali, Sivakumar Manickam and Yasmeen Siddiqui, (2014). Ultrasound-Assisted Chitosan–Surfactant Nanostructure Assemblies: Towards Maintaining Postharvest Quality of Tomatoes. Food and Bioprocess Technology, 7(7): 2102-2011.
6. Yeoh Wei Keat, Charles,Forney and Asgar Ali (2014). Effects of ozone on major antioxidants and microbial populations of fresh-cut papaya Postharvest Biology and Technology, 89: 56 - 58.
7. Asgar Ali, Mei Kying Ong and Charles Forney (2014). Effect of ozone pre-conditioning on quality and antioxidant capacity of papaya fruit during ambient storage. Food Chemistry, 142: 19- 26.
8. Asgar Ali, Noosheen Zahid, Sivakumar Manickum, Yasmeen Siddiqi, Peter Alderson and Mehdi Maqbool (2013). Effectiveness of submicron chitosan dispersion in controlling anthracnose and maintaining quality of dragon fruit. Postharvest Biology and Technology, 86: 147 - 153.
9. Mei Kying Ong, Charles Forney, Peter Alderson and Asgar Ali (2013). Postharvest profile of a Solo variety 'Frangi' during ripening at ambient temperature. Scientia Horticulturae, 160: 12-19.
10. Noosheen Zahid, Asgar Ali, Yasmeen Siddiqi and Mehdi Maqbool (2013). Efficacy of ethanolic extract of propolis in maintaining postharvest quality of dragon fruit during storage. Postharvest Biology and Technology, 79: 69 – 72.

How many publications, in total, have you published?

149

List any patents you have registered

0

4.1.8 Dr. Carol Hooi

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Nottingham University Business School
Main Research Area(s)	Human resource management, organizational behaviour
Name	Associate Professor Dr. Carol Hooi
EMAIL	Carol.Hooi@nottingham.edu.my
URL	

Give a brief description of your research interests and/or expertise

My research over the last few years has focused mainly on human resource management and organisational behaviour. My research topics centred around comparative human resource mangement policies in Malaysia and also those between Malaysia and Japan focusing on indepth analysis of policies in recruitment, compensation, promotion and human resource development. Additionally, I have also researched on current global trends in human capital management to observe human capital management practices of the past and present. Other studies focused on organisational learning capability, organisational performance, and succession planning and talent management. For organisational behaviour, the current studies relate mainly to organisational justice, organisational citizenship behaviour, job satisfaction and leader-member exchange. Curently, I have a few projects running concurrently. One of the projects due to be completed at the end of the year focuses on best practices in professionalism in the financial services industry, specifically in remuneration and incentives.

List up to 10 of your most recent or most important papers, giving the full citation

1. Hooi, L.W. & Ngui, K.S. (2014). Enhancing Organizational Performance of Malaysian SMEs ", International Journal of Manpower, Vol. 35, No. 7, 973 - 995.
2. Hooi, L.W. (2014). Does HRM Facilitate Corporate Entrepreneurship and Organisational Learning Capability in SMEs?, Malaysia Labour Review, Vol. 8, No, 1, 69-83.
3. Poorkaveh, H. & Hooi, L.W. (2014). The Relationship of Human Resource Function Roles on High Involvement Work Practices and Quality Initiatives in Malaysian Manufacturing Companies, International Journal of Management Practice, Vol. 7, No. 3, 275-293.

4. Jamshidi, D., Hussin, N. & Hooi, L.W. (2014). Islamic Banking Expansion and Demographic Factors Importance: A Review Base Study. Arabian Journal of Business and Management Review (Nigerian Chapter) Vol. 1, No. 12, 23-30.
5. Abdullah, A.A. & Hooi, L.W. (2013). Relationships of Non-Monetary Incentives, Job Satisfaction and Employee Job Performance. International Review of Management and Business Research, Vol. 2, No. 4, 1085-1091.
6. Hooi, L.W., Sulaiman, M., & Omar, A. (2012). Procedural Justice in Promotion Decisions of Managerial Staff in Malaysia, Asia Pacific Business Review, Vol. 18, No. 1, 99-121.
7. Hooi, L.W. (2012). Recruitment Trends in the MNCs in Japan: A Case Study Analysis, International Journal of Management Practice, Vol. 5, No. 1, 58-88.
8. Hooi, L.W. (2012). Enhancing Employee Satisfaction: An Analysis of Current Promotion Practices, The International Journal of Management Practice, Vol. 5, No. 3, 245-269.
9. Hooi, L.W. (2012). Organisational Justice, Organisational Citisenship Behavior and Job Satisfaction: What Is The Relationship? Journal for International Business and Entrepreneurship Development, Vol. 6, No. 3/4, 274-302.
10. Hooi, L.W. (2011). The Role of Leader-member Exchange in Organisational Justice-Organisational Citizenship Behavior Relationship, Research and Practice in Human Resource Management, Vol. 19, No. 2, 71-91.

How many publications, in total, have you published?

>60

List any patents you have registered

1

4.1.9 Dr.Chin Chiew Foan

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Biosciences
Main Research Area(s)	Plant molecular genetics, plant tissue culture, crop improvement through molecular breeding
Name	Chin Chiew Foan
EMAIL	Chiew-foan.chin@nottingham.edu.my
URL	http://www.nottingham.edu.my/Biosciences/People/chiew-foan.chin

Give a brief description of your research interests and/or expertise

Plant molecular genetics is about making use of molecular biology tools to explore the genetics of plants in order to harness the positive products for human consumption. Some of the molecular biology tools that has been used in my research group involve

- proteomic analysis
- next generation sequencing
- generation of markers using various types of marker technology
- plant tissue culture and transformation

Since Malaysia is located in the center of origins for many tropical plant species, there are vast opportunities to tap the resources for wealth generation for the country. As such, my group also explore into using advance molecular biology tools for plant conservation purposes.

List up to 10 of your most recent or most important papers, giving the full citation

1. Ho W.K, Ooi SE, Mayes S, Namasivayam, P, Ong-Abdullah M, Chin C F (2013) Methylation levels of a novel genetic element, EgNB3 as a candidate biomarker associated with the embryogenic competency of oil palm. Tree Genetics and Genomes DOI 10.1007/s11295-013-0625-9
2. Boon Chin Tan, Chiew Foan Chin, Peter Alderson (2013) Effects of sodium nitroprusside on shoot multiplication and regeneration of Vanilla planifolia Andrews. In Vitro Cell.Dev.Biol.—Plant DOI 10.1007/s11627-013-9526-8

3. Tan B.C., Chin C.F., Liddell S. and Alderson P. (2013) Proteomic analysis of callus development in Vanilla planifolia Andrews. Plant Molecular Biology Reporter DOI 10.1007/s11105-013-0590-3
4. Chin Chiew Foan, Lee Y.W., Tan J.S. and Sharifah Shahrul Rabiah Syed Alwee (2012) Amplification and sequencing of partial-length disease resistance gene homologues coding for NBS-LRR proteins in oil palm (Elaeis guineensis) Asia Pacific Journal of Molecular Biology and Biotechnology. 20(1), 25-31
5. Tan BC, Chin CF and Alderson P (2011) Optimisation of plantlet regeneration from leaf and nodal derived callus of Vanilla planifolia Andrews. Plant Cell Tissue and Organ Culture 105: 457-463
6. Le Vinh Thuc, Norashikin Sarpan, Huynh Ky, Seiw Eng Ooi, Suhaimi Napis, Chai Ling Ho , Meilina Ong-Abdullah, Chiew Foan Chin and Parameswari Namasivayam (2011) A novel transcript of oil palm (Elaeis guineensis Jacq.), Eg707, is specifically upregulated in tissues related to totipotency. Mol Biotechnology 48(2):156-164
7. Boon Chin Tan, Chiew Foan Chin and Peter Alderson (2011) An improved plant regeneration of Vanilla planifolia Andrews. Plant Tissue Culture & Biotechnology 21(1) : 27-33
8. Chin CF and Rofina YO (2006) In vitro direct shoot organogenesis and regeneration of plantlets from leaf explants of Sentang (Azadirachta excelsa) Biotechnology 5(3): 337-340
9. PT See, SS Abdul Rahman, CF Chin and K Harikrishna (2003) Identification of differentially expressed genes during somatic embryogenesis of Axonopus compressus by restriction fragment differential display-coupled FSD. Asia Pacific Journal of Molecular Biology and Biotechnology. Vol 11(2) : 21-25
10. CL Ho, K Harikrishna, KI Kandasamy, CF Chin and SS Abdul Rahman (2003) Variation in turfgrasses demonstrated by Amplified Fragment Length Polymorphism (AFLP). Asia Pacific Journal of Molecular Biology and Biotechnology Vol 11(1) : 51-55

How many publications, in total, have you published?

>30

List any patents you have registered

1

4.1.10 Dr. Lim Chin Seong

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Department of Mechanical, Materials and Manufacturing, Faculty of Engineering
Main Research Area(s)	Laser materials processing, Micro and nano fabrication techniques Semiconductor manufacturing processes, Non-conventional advanced manufacturing.
Name	Dr. Lim Chin Seong
EMAIL	chinseong.lim@nottingham.edu.my
URL	http://www.nottingham.edu.my/Engineering/Departments/M3/People/chinseong.lim

Give a brief description of your research interests and/or expertise

My main research interest is in the area of laser-based micro/nano fabrication technology. I have been working on the development surface nanopatterning technique for nano-device fabrication and the fabrication & characterization of micro optics. Besides that, I also involved in the development of semiconductor processing techniques particularly in photolithography, etching and thin film coating technologies. I have vast hands on experiences on operation of various laser systems, semiconductor manufacturing processes and characterization methods.

List up to 10 of your most recent or most important papers, giving the full citation

1. C.S. Lim, M. H. Hong, A. Senthil Kumar, M. Rahman, T.C. Chong, Study of Field Intensity Distribution of Laser Beam Propagating through a Micro-lens Array. Applied Physics A, 2
2. Feng Wang, Yu Han, Chin Seong Lim, Yunhao Lu, Juan Wang, Jun Xu, Hongyu Chen, Chun Zhang, Minghui Hong & Xiaogang Liu, Simultaneous phase and size control of upconversion nanocrystals through lanthanide doping. Nature, 2010.
3. N. R. Han, Z. C. Chen, C. S. Lim, B. Ng, and M. H. Hong, Broadband multi-layer terahertz metamaterials fabrication and characterization on flexible substrate. Optics Express,
4. C. S. Lim, M. H. Hong, Z. C. Chen, N. R. Han, B. Luk'yanchuk, and T. C. Chong, Hybrid metamaterial design and fabrication for terahertz resonance response enhancement, Optics Express, 2010.

5. C.S. Lim, M.H.Hong, Y. Lin, L. S. Tan, A. Senthil Kumar, and M. Rahman, Large Area Parallel Surface Nanostructuring with Laser Irradiation through Microlens Arrays, Surface Review and Letters, 2010.
6. Z.C. Chen, M.H. Hong, C.S. Lim, N.R. Han, L.P. Shi and T.C. Chong, Parallel Laser Micro-fabrication of Large-area Asymmetric Split Ring Resonator Metamaterials and Its Structural Tuning for Terahertz Resonance, Applied Physics Letters, 2010.
7. Z.C. Chen, M.H. Hong, H. Dong, Y.D. Gong, C.S. Lim, L.P. Shi and T.C. Chong, Parallel Laser Microfabrication of Terahertz Metamaterials and Its Polarization Dependent Transmission Property. Applied Physics A, 2010.
8. Y. Lin, M.H. Hong, G.X. Chen, C.S. Lim, Z.B. Wang, L.S. Tan, L.P. Shi, T.C. Chong, Patterning of Phase Change Films with microlens arrays. Journal of Alloys and Compounds,2008.
9. Minghui HONG, Chin Seong LIM, Yi ZHOU, Leng Seow TAN, Luping SHI and Tow Chong CHONG, Surface Nano-fabrication by Laser Precision Engineering. The Review of Laser Engineering, 2008.
10. C.S. Lim, M.H. Hong, Y. Lin, G.X. Chen, A. Senthil Kumar, M. Rahman, G.C. Lim, Sub-Micron Surface Patterning by Laser Irradiation through Micro Lens Array. Journal of Materials Processing, 2007.

How many publications, in total, have you published?

>20

List any patents you have registered

0

4.1.11 Professor Chong Mei Fong

Institution	The University of Nottingham Malaysia Campus
School/Department/Faculty	Department of Chemical and Environmental Engineering
Main Research Area(s)	Bioenergy and wastewater technologies, membrane reactor
Name	Chong Mei Fong
EMAIL	MeiFong.Chong@nottingham.edu.my
URL	

Give a brief description of your research interests and/or expertise

Professor Mei Fong, Chong specialises in membrane technology for high strength wastewater treatment, anaerobic and aerobic treatment systems, adsorption process for boron removal and membrane reactor for biodiesel production. Her works involve both modeling and experimental studies with the range from bench scale research to proof of concept by using prototypes. Currently, she is looking at the research in pilot plant scale which will eventually leads to patent development and commercialisation. Her projects are funded by the Malaysian government bodies, industries and research institutions such as Ministry of Science, Technology and Innovations (MOSTI), Federal Land Development Authority (FELDA) Foundation and Malaysian Palm Oil Board (MPOB).

List up to 10 of your most recent or most important papers, giving the full citation

1. Chong, M.F., Chen, J.H, Oh, P.P., Chen, Z.S. (2012) Modeling analysis of membrane reactor for biodiesel production, AIChE Journal, doi: 10.1002/aic.13809.
2. Chong, M.F. and Denny Ng, K.S. (2012) Evaluation and Analysis of "Year 1 Assessment Week" in Promoting Transferable Skills among First Year Chemical Engineering Undergraduates, Education for Chemical Engineers, 8(1), e31-e39.
3. Oh, P.P., Harrison, L.N.Lau, Chong, M.F. and Choo, Y.M. (2012) A Review of the Current Challenges of Commercial Biodiesel Processing and Process Intensification Technology for Biodiesel Production, Renewable & Sustainable Energy Reviews, 16(7), p. 5131–5145.

4. Chan, Y.J., Chong, M.F., Law, C.L., (2012) Start-Up, Steady State Performance and Kinetic Evaluation of a Thermophilic Integrated Anaerobic-Aerobic Bioreactor (IAAB) for the Treatment Of Palm Oil Mill Effluent (POME), Bioresource Technology 125, p. 145–157.
5. Chong, M.F., Chen, J.H, Oh, P.P., Chen, Z.S. (2012) Modeling Study of Chemical Phase Equilibrium of Canola Oil Transesterification in A CSTR, Chemical Engineering Science, 87, p.371-380.
6. Oh, P.P., Chong, M.F., Harrison, L.N.Lau, Chen, J.H., Choo, Y.M. (2013) Liquid-Liquid Equilibrium (LLE) Study for Six-Component Transesterification System, Clean Technologies and Environmental Policy, 15, 817-822.
7. Chan, Y.J., Chong, M.F., Law, C.L., (2013) Optimization of Palm Oil Mill Effluent Treatment in an Integrated Anaerobic-Aerobic Bioreactor, Sustainable Environment Research, 23(3), 153-170.
8. Chieng, H.J., Chong, M.F. (2013) Boron Adsorption on Palm Oil Mill Boiler (POMB) Ash Impregnated with Chemical Compounds, Industrial and Engineering Chemistry Research, *52* (41), 14658–14670.
9. Mohammed, R.R., Chong, M.F. (2014) Treatment and Decolourisation of Biologically Treated Palm Oil Mill Effluent (POME) Using Banana Peel as Novel Biosorbent, Journal of Environmental Management, 132:237-249.
10. Chan, Y.J., Chong, M.F., Law, C.L. (2014) Optimization of thermophilic anaerobic-aerobic treatment system for Palm Oil Mill Effluent (POME), Frontiers of Environmental Science & Engineering, DOI: 10.1007/s11783-014-0626-4.

How many publications, in total, have you published?

>30

List any patents you have registered

0

4.1.12 Dr. Siang Yew Chong

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	School of Computer Science
Main Research Area(s)	Computational Intelligence, Evolutionary Computation, Machine Learning, Game Theory
Name	Associate Professor Dr. Siang Yew Chong
EMAIL	Siang-Yew.Chong@nottingham.edu.my
URL	http://khczcsy.jupiter.nottingham.edu.my

Give a brief description of your research interests and/or expertise

Our research is concerned with the analysis and design of modern Computational Intelligence algorithms to solve various real-world problems:

A. Evolutionary Optimization: Many real-world optimization problems cannot be solved easily using classical methods. Our work focuses on developing cutting-edge evolutionary algorithms [5] to solve complex, real-world optimization problems in various sectors such as automotive [1].

B. Evolutionary Learning: A variety of real-world problems involve learning tasks such as regression and classification to game-plays. Our work focuses on rigorous analysis [2,3,6,7] to uncover new insights for design of evolutionary learning algorithms to solve learning problems such as those that involve situations of strategic decision-making [4,10] that are critical in real-world problems (e.g. economics).

C. Simulation and Modelling: Our complex computer simulations that involve populations of autonomous and adaptive agents have provided the means for in-depth studies to understand specific conditions that impact of real-world multi-agent systems [8,9] (e.g. economics).

List up to 10 of your most recent or most important papers, giving the full citation

1. J. Y. Tey, R. Ramli, C. W. Kheng, S. Y. Chong, and M. A. Z. Abidin, ``Identification of Vehicle Suspension Parameters by Design Optimization,'' Engineering Optimization, Vol. 46, No. 5, pp. 669-686, 2014.

2. P. Tino, S. Y. Chong, and X. Yao, ``Complex Co-evolutionary Dynamics - Structural Stability and Finite Population Effects,'' IEEE Transactions on Evolutionary Computation, Vol. 17, No. 2, pp. 155-164, Apr. 2013.
3. D. Ashlock, G. Kendall, and S. Y. Chong, ``Guest Editorial: Special Issue on Understanding Complex Evolutionary Systems,'' IEEE Transactions on Evolutionary Computation, Vol. 17, No. 2, pp. 153-154, Apr. 2013.
4. S. Y. Chong, P. Tino, D. C. Ku, and X. Yao, ``Improving Generalization Performance in Co-evolutionary Learning,'' IEEE Transactions on Evolutionary Computation, Vol. 16, No. 1, pp. 70-85, Feb. 2012.
5. C. W. Kheng, S. Y. Chong, and M. H. Lim, ``Centroid-Based Memetic Algorithm: Adaptive Lamarckian and Baldwinian Learning,'' International Journal of Systems Science, Vol. 43, No. 7, pp. 1193-1216, 2012.
6. S. Y. Chong, P. Tino, and X. Yao, ``Relationship Between Generalization and Diversity in Co-evolutionary Learning,'' IEEE Transactions on Computational Intelligence and AI in Games, Vol. 1, No. 3, pp. 214-232, Sep. 2009.
7. S. Y. Chong, P. Tino, and X. Yao, ``Measuring Generalization Performance in Co-evolutionary Learning,'' IEEE Transactions on Evolutionary Computation, Vol. 12, No. 4, pp. 479-505, Aug. 2008 (IEEE Transactions on Evolutionary Computation Outstanding Paper Award).
8. S. Y. Chong and X. Yao, ``Multiple Choices and Reputation in Multiagent Interactions,'' IEEE Transactions on Evolutionary Computation, Vol. 11, No. 6, pp. 689-711, Dec. 2007.
9. S. Y. Chong and X. Yao, ``Behavioral Diversity, Choices, and Noise in the Iterated Prisoner's Dilemma,'' IEEE Transactions on Evolutionary Computation, Vol. 9, No. 6, pp. 540-551, Dec. 2005.
10. S. Y. Chong, M. K. Tan, and J. D. White, ``Observing the Evolution of Neural Networks Learning to Play the Game of Othello,'' IEEE Transactions on Evolutionary Computation, Vol. 9, No. 3, pp. 240-251, Jun. 2005.

How many publications, in total, have you published?

27

List any patents you have registered

0

4.1.13 Dr. Chiang Choon Lai

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Foundation Engineering
Main Research Area(s)	Drying, Wastewater treatment, Micro propulsion, Learning styles
Name	Chiang Choon Lai
EMAIL	cl.chiang@nottingham.edu.my
URL	http://www.nottingham.edu.my/Foundation-Programmes/Engineering/People/cl.chiang

Give a brief description of your research interests and/or expertise

Drying is a method of food preservation that inhibits the growth of bacteria, yeasts, and mold through the removal of water. If you want to enhance the quality of processed food / bio-materials (e.g. maximise retention of bio-active ingredients such as vitamins, antioxidant, flavonoids, chemical compounds beneficial to health), then we can help.

List up to 10 of your most recent or most important papers, giving the full citation

1. CHIANG CHOON LAI,, HII CHING LIK,, LAW CHUNG LIM and LAW MING CHIAT, 2013. Modelling of the Heat and Mass Transfer Kinetics of Cocoa Drying In: Malaysian International Cocoa Conference 2013.
2. LOONG, B.J., LOH, H.S., CHIN, J.K. and CHIANG, C.L., 2012. Surface biofunctionalisation of poly-dimethylsiloxane (PDMS) for immobilisation of antibody. In: The 3rd International Conference on Advances in Microfluidics and Nanofluidics (AMN2012). Dalian, China.
3. KAI-SENG KOH, JITKAI CHIN, JOANNA CHIA and CHOON-LAI CHIANG, 2012. Quantitative Studies on PDMS-PDMS Interface Bonding with Piranha Solution and its Swelling Effect Micromachines. 3(2), 427-441
4. KASTURI M., BETSY G. P. LEE and C. L. CHIANG, 2012. Enhancing Chemistry Learning with Moodle Application among Foundation Engineering Students - A survey on Students' Perception. In: The Asian Conference on Education Conference Proceedings 2012 220-235
5. CHIANG CHOON LAI and CHING LIK HII, 2012. Drying Aspects of Cocoa Beans during Primary and Secondary Processing In: International Conference on Agricuturural and Food Engineering 2012, "Bringing Engineering to Life".

6. C. L. CHIANG and K. H. CHEAH, 2011. A New fabrication route for ceramic MEMS-based micropropulsion system - soft molding technique using submicron alumina particles and preceramic In: 62nd International Astranautical Congress, Cape Town, South Africa.
7. K. H. CHEAH, K. S. KOH and C. L. CHIANG, 2011. Progression on Development of ALl2O3-SiO2 ceramic MEMS-based monopropellant micropropulsion system In: 47th AIAA joint propulsion conference and exhibit, San Diego, US.
8. C. L. CHIANG and BETSY G. P. LEE, 2011. Learning Styles of Foundation Engineering Students In: Fourth International Conference on Science and Mathematics Education.

How many publications, in total, have you published?

>10

List any patents you have registered

0

4.1.14 Dr. Chris Roadknight

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Computer Science
Main Research Area(s)	Ensemble Learning, Anti-learning, Sensor networks, Bioinformatics, Neural Networks, Agent Based Simulation
Name	Chris Roadknight
EMAIL	Chris.roadknight@nottingham.edu.my
URL	http://www.nottingham.edu.my/Science/People/chris.roadknight https://www.researchgate.net/profile/Chris_Roadknight

Give a brief description of your research interests and/or expertise

I have a broad machine learning background and I am currently using this to develop class leading ensemble learning methodologies for synthetic and real-world datasets, these include medical datasets such as tumour survival metrics. I am interested in the merging of massively disparate AI techniques into one ensemble solution and verifying this by using transparency methods. I am also interested in the verification of agent based systems and developing systematic methods to enforce known statistics on such systems.

List up to 10 of your most recent or most important papers, giving the full citation

1. Roadknight, Chris M., Graham R. Balls, Gina E. Mills, and Dominic Palmer-Brown. "Modeling complex environmental data." Neural Networks, IEEE Transactions on 8, no. 4 (1997): 852-862.
2. Tateson, Jane, Christopher Roadknight, Antonio Gonzalez, Taimur Khan, Steve Fitz, Ian Henning, Nathan Boyd, Chris Vincent, and Ian Marshall. "Real world issues in deploying a wireless sensor network for oceanography." In Workshop on Real-World Wireless Sensor Networks REALWSN'05. 2005.
3. Roadknight, Chris, Ian Marshall, and Debbie Vearer. "File popularity characterisation." ACM Sigmetrics Performance Evaluation Review 27, no. 4 (2000): 45-50.
4. Marshall, Ian W., and Chris Roadknight. "Provision of quality of service for active services." Computer Networks 36, no. 1 (2001): 75-85.
5. Roadknight, Chris, Uwe Aickelin, John Scholefield, and Lindy Durrant. "Ensemble learning of colorectal cancer survival rates." In Computational Intelligence and Virtual Environments for

Measurement Systems and Applications (CIVEMSA), 2013 IEEE International Conference on, pp. 82-86. IEEE, 2013.
6. Roadknight, Chris, and Ian Marshall. "Variations in cache behavior." Computer Networks and ISDN systems 30, no. 1 (1998): 733-735.
7. Marshall, Ian, and Chris Roadknight. "Linking cache performance to user behaviour." Computer Networks and ISDN systems 30, no. 22 (1998): 2123-2130.
8. Benton, J., J. Fuhrer, B. S. Gimeno, L. Skärby, D. Palmer-Brown, G. Ball, C. Roadknight, and G. Mills. "An international cooperative programme indicates the widespread occurrence of ozone injury on crops." Agriculture, ecosystems & environment 78, no. 1 (2000): 19-30.
9. Roadknight, Chris, Uwe Aickelin, and Galina Sherman. "Validation of a Microsimulation of the Port of Dover." Journal of Computational Science 3, no. 1 (2012): 56-66.
10. Roadknight, Chris, Uwe Aickelin, Guoping Qiu, John Scholefield, and Lindy Durrant. "Supervised learning and anti-learning of colorectal cancer classes and survival rates from cellular biology parameters." In Systems, Man, and Cybernetics (SMC), 2012 IEEE International Conference on, pp. 797-802. IEEE, 2012.

How many publications, in total, have you published?

>60

List any patents you have registered

(WO/2006/092611) UNDERSEA SEISMIC SENSING SYSTEM AND METHOD

(WO/2002/073889) COMMUNICATIONS NETWORK

(WO/2005/125122) WIRELESS AD HOC NETWORK

4.1.15 Dr Chuen-Khee PEK

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Nottingham University Business School
Main Research Area(s)	Environmental valuation, Pricing of non-market goods and services, Chinese SMEs
Name	Dr Chuen-Khee PEK
EMAIL	chuen.pek@nottingham.edu.my
URL	http://www.nottingham.edu.my/Business/People/Chuen.Pek

Give a brief description of your research interests and/or expertise

My main research interest is in the pricing of non-market goods and services, and externalities, working with the application of econometrics and environmental valuation methodologies like choice modeling and contingent valuation on environmental issues, such like solid waste management, climate change, food security and other green economics. I have also the interest to study the competitiveness and sustainability of Chinese SMEs.

List up to 10 of your most recent or most important papers, giving the full citation

1. Pek, C.K., Lim, Y.M., Choong, C.K. & Tan, K.E. (2014). The economic impact of climate change on food security in Malaysia. International Journal of Academic Research Part B, 6(3), 195-199. [Thomson Reuters ISI]
2. Jamal, O. & Pek, C.K. (2014). Choice of Noxious Facilities: Case of a Solid Waste Incinerator versus a Sanitary Landfill in Malaysia. Waste Management & Research, 32(5), 454-457. [ERA-listed, ISI 2013 Impact Factor 1.114]
3. Krekeler, M.P.S., Aldridge, D., Pek, C.K. & Jamal Othman. (2013). A Glance at the World. Waste Management, 32(12), 2565-2566. [ERA-listed, ISI 2013 ISI Impact Factor 2.485]
4. Pek, C.K. & Jamal, O. (2011). A choice experiment analysis for solid waste disposal option: A case study in Malaysia. Journal of Environmental Management, 92(11), 2993-3001. [ABDC-"A", ERA-listed, ISI 2013 Impact Factor 3.188]

5. Pek, C.K. & Jamal, O. (2010). Household demand in solid waste disposal options in Malaysia. International Journal of Environmental, Earth Science and Engineering, 4(7), 377-40. [Scopus-indexed]
6. Pek, C.K. (2009). Malaysian agricultural: Conventional and extended thoughts. Journal of Sustainable Development, 2(1), 80-86. [ERA-listed]
7. Pek, C.K. (2008). Insight of Chinese Economics Culture in Malaysia. International Journal of Business and Management, 3(9), 65-73. [ABDC-"C", ERA-listed]
8. Lim, Y.M., Pek, C.K. & Yee, A.P. (2008). Work Values of Baby-Boomers and Generation X of the Chinese Community in Malaysia. International Journal of Business & Management, 3(10), 147-153. [ABDC-"C", ERA-listed]
9. Tan, H.B., Chung, H.K., Ang, P.M.M. & Pek, C.K., (2013). Green and Ethical Banking: Demand and supply perspectives from bankers, corporations, and heads of households. Malaysia Banker's Journal, 141, 12-20.
10. Pek, C.K., Tee, C.H. & Ng, P.Y. (2010). Hill Recreational and Services Valuation: A Case Study of Taman Melawati Hill. Sunway Academic Journal, 7, 33-47.

How many publications, in total, have you published?

25

List any patents you have registered

0

4.1.16 Professor Claire O'Malley

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Psychology
Main Research Area(s)	Child development and learning. Psychology of education. Technology enhanced learning. Human-computer interaction. Psychology of digital technology. Reputation management, privacy and ethics in social media. Psychology of social media use.
Name	Professor Claire O'Malley
EMAIL	claire.omalley@nottingham.edu.my
URL	http://www.nottingham.edu.my/Psychology/People/claire.omalley

Give a brief description of your research interests and/or expertise

My research in child development and learning has focused on the development of social interaction and communication skills, particularly skills in theory of mind and perspective taking. I have also carried out research on the impact of various collaborative learning interventions, with and without technology, on cognitive development and educational achievement. Domains have included literacy, mathematics and science, in formal and informal settings, with a wide range of learners (pre-school, primary, secondary and tertiary). My research on technology enhanced learning and human-computer interaction has focused on video-mediated communication, mobile and ubiquitous technology (i.e., sensor based), augmented and virtual reality and more recently on social media. I carry out studies of users in both laboratory and real world contexts, using a variety of quantitative (experiments, surveys, data analytics) and qualitative methods (interviews, observations). I have broad expertise in a variety of social science methods, and particular expertise in video analysis methods.

List up to 10 of your most recent or most important papers, giving the full citation

1. Sharples, M., Scanlon, E., Ainsworth, S., Anastopoulou, S., Collins, T., Crook, C., Jones, A., Kerawalla, L., Littleton, K., Mulholland, P. & O'Malley, C. (in press, 2014) Personal Inquiry: Orchestrating science investigations within and beyond the classroom. Journal of the Learning Sciences.
2. James, R., O'Malley, C. & Tunney, R. (in press, 2014) On the latent structure of problem gambling: A taxometric analysis. Addiction. DOI: 10.1111/add.12648

4.1.17 Professor Dominic C. Y. Foo

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Centre of Excellence for Green Technologies
Main Research Area(s)	Process integration, process optimisation, waste recycling, energy planning.
Name	Professor Dominic C. Y. Foo
EMAIL	Dominic.Foo@nottingham.edu.my
URL	www.nottingham.edu.my/CEGT

Give a brief description of your research interests and/or expertise

Ir. Dr. Dominic Foo is a Professor of Process Design and Integration at the University of Nottingham Malaysia Campus, and is the Founding Director for the Centre of Excellence for Green Technologies. He is a world leading researcher in process integration for resource conservation. He works with his 30 collaborators across various countries in the Asia, Europe, American and Africa on the following areas of work:

- Resource conservation (recovery of water, utility gases, energy)
- Production planning (facility planning, scheduling of production resources)
- Cleaner process design (with minimum waste and utilities)
- Energy planning (carbon footprint reduction, carbon capture and storage)

List up to 10 of your most recent or most important papers, giving the full citation

1. Foo, D. C. Y. (2012). Process Integration for Resource Conservation, CRC Press, Boca Raton, Florida, US.
2. Foo, D. C. Y., El-Halwagi, M. M. and Tan, R. R. (2012). Recent Advances in Sustainable Process Design and Optimisation, World Scientific/Imperial College Press.
3. El-Halwagi, M. M. and Foo, D. C. Y. (2015). Process Synthesis and Integration. Kirk-Othmer Encyclopedia, John Wiley & Sons.
4. Foo, D. C. Y. (2009). A State-of-the-art Review of Pinch Analysis Techniques for Water Network Synthesis. Industrial & Engineering Chemistry Research, 48 (11), 5125-5159.

5. Gouws, J., Majozi, T., Foo, D. C. Y., Chen, C. L. and Lee, J.-Y., (2010). Water Minimisation Techniques for Batch Processes. Industrial & Engineering Chemistry Research, 49(19), 8877-8893.
6. Foo, D. C. Y. (2010). Automated Targeting Technique for Batch Process Integration. Industrial & Engineering Chemistry Research, 49(20), 9899-9916.
7. Tan, R. R., Ng, D. K. S. and Foo, D. C. Y. (2009). Pinch Analysis Approach to Carbon-Constrained Planning for Sustainable Power Generation. Journal of Cleaner Production, 17(10), 940-944.
8. Tan, R. R. and Foo, D. C. Y. (2007). Pinch Analysis Approach to Carbon-Constrained Energy Sector Planning. Energy, 32(8), 1422-1429.
9. Manan, Z. A., Tan, Y. L. and Foo, D. C. Y. (2004). Targeting the Minimum Water Flow Rate Using Water Cascade Analysis Technique, AIChE Journal, 50(12): 3169-3183.
10. Diamante, J. A. R., Tan, R. R., Foo, D. C. Y., Ng, D. K. S., Aviso, K. B., Bandyopadhyay, S. (2014). Unified Pinch Approach for Targeting of Carbon Capture and Storage (CCS) Systems with Multiple Time Periods and Regions. Journal of Cleaner Production, 71: 67–74.

How many publications, in total, have you published?

>90

List any patents you have registered

0

4.1.18 Dr. Md Enamul Hoque

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Mechanical, Materials & Manufacturing Engineering
Main Research Area(s)	Rapid Prototyping Technology, Biomaterials, Tissue Engineering, Polymeric Composite Materials, Nanomaterials, Food Technology, Bioenergy
Name	Dr. Md Enamul Hoque
EMAIL	enamul.hoque@nottingham.edu.my
URL	http://www.nottingham.edu.my/Engineering/Departments/M3/People/enamul.hoque

Give a brief description of your research interests and/or expertise

I received my PhD in Mechanical Engineering (major in Bioengineering) from NUS, Singapore in 2007. Since then I have been intensively involved in numerous research projects that are collaborated locally and internationally. I have received 7 research grants from a number of funding bodies amounting to be a total of MYR 7,40,000. I have trained 1 postdoctoral research fellow, graduated 3 PhD students and currently supervising 5 PhD students in collaboration with some local as well as global academics. I have developed TWO research equipment in-house.

- ✓ Desktop Robot Based Rapid Prototyping Melt Extrusion System to Fabricate 3D Porous Scaffold
- ✓ Electrospinning System to Fabricate Nanofibre Scaffolds

List up to 10 of your most recent or most important papers, giving the full citation

1. Md Enamul Hoque, Terrence Teh Hooi Meng, Leng Chuan Yong, Moniruddin Chowdhury, Gunnaeswara Prasad Rangabhatala. Hybrid 3D scaffolds for potential tissue engineering applications: Fabrication and characterization. Materials Letters, Vol. 131, pp. 255, 2014; doi: http://dx.doi.org/10.1016/j.matlet.2014.05.111
2. M. Enamul Hoque, M. A. I. M. Aminudin, M. Jawaid, M. S. Islam, Naheed Saba, M. T. Paridah. Physical, Mechanical, and Biodegradable Properties of Meranti Wood Polymer Composites. Materials and Design Vol. 64, pp. 743, 2014.

http://dx.doi.org/10.1016/j.matdes.2014.08.024
3. Siti-Hamidah Mohd-Setapar, Sheikh Imranudin Sheikh-Ali, Akil Ahmad, Zainul Akmal Zakaria, Norfahana Abdul-Talib, Aidee Kamal Khamis, Md Enamul Hoque. The Potential Hazards of Aspergillus sp. in Food and Feeds, and the Role of Biological Treatment: A Review. Journal of Microbiology (In Press)
4. Sivaruby Kanagaratnam, M. Enamul Hoque, Miskandar Mat Sahri and Andrew Spowage. Investigating the effect of deforming temperature on the oil-binding capacity of palm oil based shortening. Journal of Food Engineering, Vol. 118(1), pp. 90, 2013; DOI: http://dx.doi.org/10.1016/j.jfoodeng.2013.03.021
5. M. Enamul Hoque, Y. Leng Chuan, Ian Pashby, Angela Ng Min Hwei. Polymeric extrusion based rapid prototyping technique - An advanced platform for tissue engineering scaffold fabrication. Biopolymers, Vol 97(2), pp. 83, 2012. DOI: 10.1002/bip.21701
6. M. Enamul Hoque, Amrit Singh, Yong Leng Chuan. Biodiesel from low cost feedstocks: The effects of process parameters on the biodiesel yield. Biomass and Bioenergy, Vol 35(4), pp. 1582, 2011. http://dx.doi.org/10.1016/j.biombioe.2010.12.024
7. M. E. Hoque and Obbard J. Philip. Biotechnological Recovery of Heavy Metals from Secondary Sources – An Overview. Materials Science and Engineering C, Vol. 31, pp. 57, 2011. http://dx.doi.org/10.1016/j.msec.2010.09.019
8. M. Enamul Hoque, Y. S. Wong, W. Feng, S. Li, M-H Huang, M. Vert, D. W. Hutmacher. Processing of PCL and PCL-based copolymers into 3D scaffolds, and their cellular responses. Tissue Engineering: Part A, Vol. 15, No. 10, pp. 3013, 2009. DOI: 10.1089/ten.TEA.2008.0355
9. M. E. Hoque, H.-Q. Mao, And S. Ramakrishna. Hybrid braided 3-D scaffold for bioartificial liver assist devices. Journal of Biomaterials Science: Polymer Edition, Vol. 18, No. 1, pp. 45, 2007. DOI: 10.1163/156856207779146088
10. M. E. Hoque, D. W. Hutmacher, W. Feng, S. Li, M-H Huang, M. Vert, Wong Y S. Fabrication using a rapid prototyping system and in vitro characterization of PEG-PCL-PLA scaffolds for tissue engineering. Journal of Biomaterials Science: Polymer Edition, Vol. 16, No. 12, pp. 1595, 2005, DOI: 10.1163/156856205774576709.

How many publications, in total, have you published?

>120

List any patents you have registered

Two patents are under processing

1) Malaysia – Patent Application No.: PI 2013002214
Title: Margarines/spreads fat blends with reduced saturated fatty acids content, textured with palm oil-based structural fat.
Inventors: Sivaruby Kanagaratnam (Malaysian Palm Oil Board), Andrew Spowage (University of Nottingham Malaysia Campus), Miskandar Mat Sahri (Malaysian Palm Oil Board), Md Enamul Haque (University of Nottingham Malaysia Campus)

2) Malaysia – Patent Application No.: PI 2013002213
Title: Margarines/spreads fat blends that are stable and spreadable between -15^{0}C to 35^{0}C, structured with palm oil-based structural fat.
Inventors: Sivaruby Kanagaratnam (Malaysian Palm Oil Board), Andrew Spowage (University of Nottingham Malaysia Campus), Miskandar Mat Sahri (Malaysian Palm Oil Board), Md Enamul Haque (University of Nottingham Malaysia Campus)

4.1.19 Dr. Ernesto Hernandez

Institution	The University of Nottingham
School/Department/Faculty	Chemical and Environmental Engineering/ Bioisnpired Chemical Engineering Research Group
Main Research Area(s)	Bioinspired chemical engineering; synthetic bioenvironments; evolution of enzymes and bioprocesses
Name	Ernesto Hernandez (Dr., MRSC, AMIChemE)
EMAIL	bierg@nottingham.edu.my
URL	http://www.ernestohernandez.org/

Give a brief description of your research interests and/or expertise

I aim at filing the gap between life sciences and chemical engineering, to create wealth and wellness for people in a sustainable and socially responsible way. In order to do this, I gather tools and techniques from: biotechnology, biorefineries, environmental microbiology, directed evolution, protein engineering, fermentation technology, biochemical engineering, bioreaction engineering, enzyme technology, biocatalysts, aquatic chemistry and chemical engineering.

We have delivered projects related to: directed evolution, bioprocessing of biomass for added-value chemicals (waste into wealth), biooil production from algae and yeast, bioprocess design for biorefineries, biological clean up, global warming reduction; molecular identification of biocatalysts; microbial enhanced oil recovery; waste water treatment and biogas production.

List up to 10 of your most recent or most important papers, giving the full citation

1. Trzcinski, A., Hernandez J.E. and Webb, C. (2012). A novel process for enhancing oil production in algae biorefineries through bioconversion of solid by-products. Bioresource Technology, (116), 295-301.
2. Hernandez, J. E. and Edyvean, R. G. J. (2011). Comparison between a two-stage and single-stage digesters when treating a synthetic wastewater contaminated with phenol. Water SA, 37 (1), 1-6.
3. Hernandez, J. E. and Edyvean, R. G. J. (2008) Inhibition of biogas production and biodegradability by substituted phenolic compounds in anaerobic sludge. Journal of Hazardous Materials, 160(1), 20–28.

4. Hernandez, J. E., Bachmann, R. T. & Edyvean, R. G. (2006). A cost-benefit analysis of methods for the determination of biomass concentration in wastewater treatment. Anaerobe, 12(5-6):254-9.
5. Hernandez, J.E. and Pandiella, S. Production of prebiotics and prebiotics. In: Engineering Aspects of Food Biotechnology. Eds. Teixeira, J. A. and Vicente, A.A. In press.
6. Bachmann, R.T., Johnson, A.C. & Hernandez J.E. (2008). Biogas production from cheese whey: Past, present and future. In: Advances in Cheese Whey Utilization, 2008: ISBN: 978-81-7895-359-5.; Editors: Ma Esperanza Cerdán, Ma Isabel González-Siso and Manuel Bacerra.

How many publications, in total, have you published?

7 peer-reviewed papers, 100 Weekly progress reports, 5 Quarterly reports and 1 Executive report for a global top-2 oil company in the UK. Plus 4 executive reports for a Knowledge Transfer Program (UK).

List any patents you have registered

0

4.1.20 Professor Graham Kendall

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Computer Science
Main Research Area(s)	Operations Research, Scheduling, Heuristics, Meta-heuristics, hyper-heuristics, evolutionary computation
Name	Professor Graham Kendall
EMAIL	Graham.Kendall@nottingham.edu.my
URL	http://www.graham-kendall.com

Give a brief description of your research interests and/or expertise

Operational Research (OR) is about making operations within a company more efficient. The normal process is to understand the problem, model it and then find the best way to attempt to solve that model.

If you ever say you want to minimise something (waste?), maximise something (profit?), schedule something etc. then OR can help. The areas we have experience in include (but, we can tackle many other areas).

- Logistics
- Transport, including vehicle routing
- Aircraft Scheduling
- Machine Scheduling
- Port Logistics
- Sports Scheduling
- Evolutionary Computing
- Heuristics, Meta-heuristics and Hyper-heuristics

In the work we do, we like to look at real world problems, model them and use any search methodology that we think is suitable to try and solve that model. This many include exact methods (such as CPLEX), but often uses heuristics, meta-heuristics and hyper-heuristics. We also use evolutionary computation, which are loosely modelled on Darwin's principles of natural selection.

List up to 10 of your most recent or most important papers, giving the full citation

1. Bai, R; Li, J; Atkin, J.A.D and Kendall, G A novel approach to independent taxi scheduling problem based on stable matching. Journal of the Operational Research Society, In Press.
2. Kahar, M.N. M. and Kendall, G Universiti Malaysia Pahang examination timetabling problem: scheduling invigilators. Journal of the Operational Research Society, 2099 - In Press.
3. Li, J and Kendall, G The effect of memory size on the evolutionary stability of strategies in iterated prisoner's dilemma. IEEE Transactions on Evolutionary Computation, In Press.
4. Sabar, N. R; Ayob, M; Kendall, G and Qu, R The Automatic Design of Hyper-heuristic Framework with Gene Expression Programming for Combinatorial Optimization problems. IEEE Transactions on Evolutionary Computation, In Press.
5. Xing, H; Qu, R; Kendall, G and Bai, R A path-oriented encoding evolutionary algorithm for network coding resource minimization. Journal of the Operational Research Society, In Press.
6. Abuhamdah, A; Ayob, M; Kendall, G and Sabar, N. R Population based Local Search for university course timetabling problems. Applied Intelligence, 40 (1): 44-53, 2014.
7. Davies, G.J; Kendall, G; Soane, E; Li, J; Rocks, S.A; Jude, S.R and Pollard, S.J.T Regulators as agents: Modelling personality and power as evidence is brokered to support decisions on environmental risk. Science of the Total Environment, 466-467: 74-83, 2014.
8. Maashi, M; Özcan, E and Kendall, G A Multi-objective Hyper-heuristic based on Choice Function. Expert Systems with Applications, 41 (9): 4475-4493, 2014.
9. Philips, T; Li, J and Kendall, G The Effects of Extra-Somatic Weapons on the Evolution of Human Cooperation towards Non-Kin. PLoS ONE, 9 (5): e95742, 2014.
10. Swan, J; Woodward, J; Özcan, E; Kendall, G and Burke, E Searching the Hyper-heuristic Design Space. Cognitive Computation, 6 (1): 66-73, 2014.

How many publications, in total, have you published?

>200

List any patents you have registered

0

4.1.21 Dr. Hii Ching Lik

Institution	University of Nottingham, Malaysia Campus
School/Department/Faculty	Department of Chemical and Environmental Engineering, Faculty of Engineering
Main Research Area(s)	Food processing, drying and dehydration, heat and mass transfer modeling, cocoa and chocolates
Name	Assoc. Prof. Dr. Hii Ching Lik
EMAIL	Ching-Lik.Hii@nottingham.edu.my
URL	http://www.nottingham.edu.my/Engineering/Departments/Chemenv/People/ching-lik.hii

Give a brief description of your research interests and/or expertise

My current research area is in the preservation of bioactive compounds in food products using advance food processing methods. In the past, I have successfully developed a heat pump dryer that was able to preserve most of the polyphenols (a type of antioxidant) in the dried products. Currently, I am developing a novel zeolite adsorption dryer to process food products using dehumidified air with the aim to preserve bio-active compounds beneficial for human health. Another key area of my research is in cocoa and chocolate processing, where I have successfully developed mechanical dryers for cocoa drying and in the development of high polyphenols chocolates.

List up to 10 of your most recent or most important papers, giving the full citation

1. Hii, C.L. and J.F. Ogugo. 2014. Effect of pretreatment on the drying kinetics and product quality of star fruit slices. Journal of Engineering Science and Technology. 9(1): 123 – 135.
2. C.L. HII, C.E. ITAM and S.P. ONG, 2014. Convective Air Drying of Raw and Cooked Chicken Meats. Drying Technology. (In Press.)
3. Djaeni, M., Prasetyaningrum, A., Sasongko, S.B., Widayat, W. and Hii, C.L. 2013. Application of foam-mat drying with egg white for carrageenan: drying rate and product quality aspects. Journal of Food science and Technology. Springer Online first articles.
4. Hii, C.L., Law, C.L. and Law, M.C. 2013. Simulation of heat and mass transfer of cocoa beans under stepwise drying conditions in a heat pump dryer. Applied Thermal Engineering. 54: 264-271.

5. Hii, C.L., Law, C.L. and Suzannah, S. 2012. Drying kinetics of the individual layer of cocoa beans during heat pump drying. Journal of Food Engineering. 108(2): 276-282.
6. Ong, S.P., Law, C.L. and Hii C.L. 2012. Optimization of Heat Pump Assisted Intermittent Drying. Drying Technology. 30(15): 1676-1687.
7. Hii, C.L., Ong, S.P. and Law, C.L. 2011. Drying studies of tropical fruits cultivated in Malaysia: A Review. Journal of Applied Sciences. 11(24): 3815-3820.
8. Ong, S.P., Law, C.L. and Hii C.L. 2011. Effect of pre-treatment and drying method on colour degradation kinetics of dried salak fruit during storage. Food and Bioprocess Technology: An International Journal. Online First™, 7 July 2011.
9. Omar, S., Dominic, C.Y. Foo, Hii, C.L. and Law, C.L. 2011. Process simulation and debottlenecking for an industrial cocoa manufacturing process. Food and Bioproducts Processing. 89(4): 528-536.
10. Hii, C.L., Law, C.L., Suzannah, S. and Cloke, M. 2011. Improving Malaysian cocoa quality through the use of dehumidified air under mild drying conditions. Journal of the Science of Food and Agriculture. 91(2): 239-246.

How many publications, in total, have you published?

24 (journals)

List any patents you have registered

0

4.1.22 Dr Jee-Hou Ho

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Mechanical, Materials and Manufacturing Engineering
Main Research Area(s)	Mechatronics, Robotics, Nonlinear Dynamics, Gait Rehabilitation
Name	Dr Jee-Hou Ho
EMAIL	JeeHou.Ho@nottingham.edu.my
URL	http://www.nottingham.edu.my/Engineering/Departments/M3/People/jeehou.ho

Give a brief description of your research interests and/or expertise

Dr Ho's primary research interests are in the area of mechatronics and robotics, in particular, application of nonlinear dynamics in solving real world problems. Rapid advancement in nonlinear techniques has facilitated studies in many multidisciplinary applications and they are not limited to machine dynamics. For example, fractal analysis has proven to reveal the complexity of brain dynamics in analysing Electroencephalography (EEG) time series. Some of our current projects involve:

- Dynamics of piezoelectric rain impact harvesting
- Development of wearable gait measurement system for stroke rehabilitation
- Development of robotic orthosis for stroke rehabilitation
- Modelling of morphological changes in gait rehabilitation
- Design of lightweight robotic manipulator
- Learning behavior in brain dynamics
- Human emotion EEG analysis

List up to 10 of your most recent or most important papers, giving the full citation

1. V.-K. Wong, J.-H. Ho and E.H. Yap. Dynamics of a piezoelectric beam subjected to water droplet impact with water layer formed on the surface (in press), Journal of Intelligent Material Systems and Structures, 2014, DOI: 10.1177/1045389X14549871
2. M.-G. Tan, C.-B. Leong, J.-H. Ho, H.-T. Goh and H.K. Ng. A compact low cost wearable sensor system for quantitative gait measurement, Applied Mechanics and Materials, 627: 212-216, 2014.

3. J.B. Ooi, X. Wang, Y.P. Lim, C.S. Tan, J.-H. Ho and K.-C. Wong. Parametric optimization of the output shaft of the portal axle using finite element analysis, Strojniški Vestnik Journal of Mechanical Engineering, 59(10): 613-619, 2013.
4. Chai T.Y., Woo S.S., J.-H. Ho and M. Rizon. Effectiveness of statistical features for human emotions classification using EEG biosensors, Research Journal of Applied Sciences, Engineering and Technology, 5(21): 5083-5089, 2013.
5. X. Cheng, H.K. Ng, S. Gan and J.H. Ho. Advances in Computational Fluid Dynamics (CFD) modeling of in-cylinder biodiesel combustion, Energy & Fuels, 27(8): 4489-4506, 2013.
6. J.B. Ooi, X. Wang, C.S. Tan, J.-H. Ho and Y.P. Lim. Modal and stress analysis of gear train design in portal axle using finite element modeling and simulation, Journal of Mechanical Science and Technology, 26(2):575-589, 2012.
7. Chai T.Y., W.L. Lim, C.S. Tan, B.-M. Goi, X. Wang and J.-H. Ho. Probabilistic model for dynamic signature verification system, Research Journal of Applied Science, Engineering and Technology, 3(11):1320-1324, 2011.
8. J.-H. Ho and K.-C. Woo. Approximate analytical solution to oscillations of a conductor in a magnetic field, Nonlinear Dynamics, 64(4):315-330, 2011.
9. J.-H. Ho, V.-D. Nguyen and K.-C. Woo. Nonlinear dynamics of a new electro-vibro-impact system, Nonlinear Dynamics, 63(1):35-49, 2011.
10. J.-H. Ho and K.-C. Woo. Bifurcations in an electro-vibroimpact system with friction, Journal of Theoretical and Applied Mechanics, 46(3):511-520, 2008.

How many publications, in total, have you published?

35

List any patents you have registered

0

4.1.23 Dr.Hon Loong Lam

Institution.	University of Nottingham Malaysia Campus
School/Department/Faculty	Faculty of Engineering, Department of Chemical and Environmental Engineering
Main Research Area(s)	Green Supply Chain, Biomass Utilisation, Process Optimisation
Name	Associate Professor Hon Loong Lam
EMAIL	Honloong.lam@nottingham.edu.my
URL	www.nottingham.edu.my/Engineering/People/HonLoong.Lam

Give a brief description of your research interests and/or expertise

To linkup these green technologies from pre-treatment to process and delivery, a green supply chain development is a key point in this green belt. Green supply chain or sustainable network could be defined as the operational management method and optimization approach to reduce the environmental impact along the life cycle of the green product. My team focuses on the special focus must be given to the latest conservation of biomass (mass and energy) used in the process, the possibility of integrating green resources, the consideration of industrial symbiosis relationship and the network synthesis with multi objectives of environmental, technical, economic, safety, and social factors.

List up to 10 of your most recent or most important papers, giving the full citation

1. Lam H. L., Extended P-graph Application in Supply Chain and Process Network Synthesis, Current Opinion on Chemical Engineering, 2013, 2, 475–486
2. Ng. W.P.Q., Lim M. T., Mohamad Izhar S.M., Lam H.L., Yusup S., Overview on economics and technology development of rubber seed utilisation in Southeast Asia, Clean Technologies and Environmental policy, 2013, 34, 57-65
3. Lam H. L., Ng W. P. Q., Ng R. T. L., Ng E. H., Kamal M., Ng D. K. S., Green Strategy for Sustainable Bio-energy Supply Chain, Energy, 2013, 4-16
4. Ng W. P. Q., Lam H. L., Yusup S., Supply network synthesis on rubber seed oil utilisation as potential biofuel feedstock. Energy, 2013, 82-88
5. Ng W. P. Q., Lam H. L., Ng F Y., Kamal M., Lim J. H. E., Waste-to-wealth: green potential from palm biomass in Malaysia, Journal of Cleaner Production, 2012, 34, 57-65

6. Lam H.L, Klemeš J., Varbanov P., Kravanja Z, Model-size reduction techniques for large-scale biomass production and supply networks, Energy, 2011, 36, 4599 - 4608
7. Čuček L., Lam H.L, Klemeš J., Varbanov P., Kravanja Z, Synthesis of regional networks for the production and supply of bioenergy and food, Clean Technologies and Environmental Policy, 2010, 12, 635 – 645
8. Lam H. L., Varbanov P., Klemeš J., Regional Renewable Energy and Resource Planning, Applied Energy, 2010, 88, 545 - 550
9. Lam H. L., Varbanov P., Klemeš J., Optimisation of regional energy supply chains including renewables: P-graph approach, Computers and Chemical Engineering 34, 2010, 782–792
10. Lam H. L., Varbanov P., Klemeš J., Minimising Carbon Footprint of Regional Biomass Supply Chains, Resources, Conservation & Recycling, 2010, 54, 303-309

How many publications, in total, have you published?

> 30 journal papers
> 100 conference papers

List any patents you have registered

0

4.1.24 Dr. Iman Yi Liao

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Computer Science
Main Research Area(s)	Computer Vision
Name	Iman Yi Liao
EMAIL	Iman.Liao@nottingham.edu.my
URL	http://www.nottingham.edu.my/ComputerScience/People/iman.liao

Give a brief description of your research interests and/or expertise

Dr. Iman is mainly working in the area of Computer Vision and Image Processing, especially in 3D reconstruction from 2D images. She is also familiar with general Pattern Recognition techniques and their applications in Computer Vision and Image Processing. She is interested in mathematically modeling Vision and Imaging problems and has intensive experience in 3D terrain reconstruction, 3D face reconstruction, 3D craniofacial data analysis, etc. Theoretical tools she has investigated include variational methods, optimization theory and algorithms, regularization methods, relaxation algorithms, fractal analysis, multi-scale analysis (e.g., wavelets), Markov random fields, B-Splines, Differential Geometry, Principal Component Analysis, and some typical Machine Learning techniques.

List up to 10 of your most recent or most important papers, giving the full citation

1. ASHRAF MAGHARI, IBRAHIM VENKAT, IMAN YI LIAO and BAHARI BELATON, 2014. Adaptive face modeling for reconstructing 3D face shapes from single 2D images IET Computer Vision. 1-14 (In Press.)
2. JUNFEN CHEN, MUNIR ZAMAN, IMAN YI LIAO and BAHARI BELATON, 2014. Bi-Stage Large Point Set Registration Using Gaussian Mixture Models In: The 12th Asian Conference on Computer Vision (ACCV'14). (In Press.)
3. ASHRAF MAGHARI, IMAN YI LIAO and BAHARI BELATON, 2012. Effect of Facial Feature Points Selection on 3D Face Shape Reconstruction Using Regularization In: ICONIP2012/LNCS. 7667. 516–524
4. PAN ZHENG, BAHARI BELATON, IMAN YI LIAO and Z. A. RAJION, 2011. The gradient of the maximal curvature estimation for crest lines extraction In: Proceedings of the Second

international conference on Visual informatics: sustaining research and innovations (IVIC'11)/LNCS. Part I. 196-205
5. IMAN YI LIAO and MUNIR ZAMAN, 2010. Prior model evaluation from Null Space Compensation perspective with application to surface reconstruction from single images The Visual Computer. 26, 997-1005
6. M. AZMI AL-BETAR, A. T. KHADER and IMAN YI LIAO, 2010. A harmony search algorithm with multi-pitch adjusting rate for university course timetabling. In: Z. GEEM, ed., Recent Advances In Harmony Search Algorithm: Studies in Computational Intelligence (SCI) 270.
7. MUNIR ZAMAN and IMAN YI LIAO, 2010. A Generic Model, and its Validation, for the Translational Systematic Errors in Synchronous Drive Robots In: Proceedings of the 2010 Fourth Asia International Conference on Mathematical/ Analytical Modelling and Computer Simulation (AMS '10), IEEE Computer Society. 106–111
8. IMAN YI LIAO, PAN ZHENG and BAHARI BELATON, 2009. Skull Registration Using Rigid Super-Curves In: Proceedings of the 6th International Conference on Computer Graphics, Imaging and Visulization. CGIV'09. IEEE Computer Society. 475–479
9. IMAN YI LIAO, MARIA PETROU and RONGCHUN ZHAO, 2008. A Fractal-based Relaxation Algorithm for Shape from Terrain Image Computer Vision and Image Understanding. 109(3), 227-243
10. IMAN YI LIAO and RONGCHUN ZHAO, 2006. A novel method for solving the shape from shading (SFS) problem In: Proceedings of the Second international conference on Advances in Natural Computation. ICNC'06/LNCS. Part II. 714–723

How many publications, in total, have you published?

>30

List any patents you have registered

0

4.1.25 Dr. Jayalakshmy Ramachandran

Institution	University of Nottingham
School/Department/Faculty	School of Business
Main Research Area(s)	Auditing, Corporate Governance, Financial Reporting, Ethics, Forensic Audit, Corporate Social Responsibility
Name	Dr. Jayalakshmy Ramachandran
EMAIL	jayalakshmy.rama@nottingham.edu.my
URL	http://www.nottingham.edu.my/Business/People/jayalakshmy.rama

Give a brief description of your research interests and/or expertise

Corporate Governance failures are seen and understood as one of the core reasons for corporate collapses. Numerous researches were conducted in the past analyzing corporate governance failures and the associated impact on stock market prices and profitability. Governance improprieties have a bigger impact on corporate social responsibility as well as financial reporting activities. Related issues like ethics and the heightened role of forensic auditors are currently in the limelight. These related topics help us to identify ways to improve corporate governance in the country, followed by a bigger commitment to corporate social responsibility as well performance of organisations in terms of profitability and stakeholder values. Other related topics include providing ethics training and managers motivations to act ethically. Alternatives research also include developing risk management frameworks for ethical tax compliance and focusing attention on tax governance elements.

List up to 10 of your most recent or most important papers, giving the full citation

1. Yunitazari. L, Ramachandran. J (2014), 'Performance of Tourism sector with regards to the global crisis - A comparative study between Indonesia, Malaysia and Singapore', The Journal of Developing Areas, In Press (ABDC - B & ABS - 2)
2. Ramachandran.J, Ngete, Z, A. Sambasivan. N. Subramanian, R. (2014), 'Does Corporate Governance influence Earnings Management?: Evidence from Singapore, The Journal of Developing Areas, In Press(ABDC – B & ABS - 2)
3. Ramachandran. J, Yeng. T. Tsubramaniam. R, Angusamy. A, (2014) 'Are consumers contended with online shopping in Malaysia?', La Pensee, (76(3), 393-406), (ISI, SCOPUS)

4. Subramaniam. R, Ramachandran. J (2014) 'A pedagogical study on the effectiveness of corporate Governance', SMART Journal of Business Studies, 10(1), 30-42(ABDC - C)
5. Subramaniam. R, Ramachandran. J (2013) Educators, Students and regulators Perception of Shariah Governance Education – Empirical Evidence from Malaysia**,** Academy of Taiwan Business Management Review. 9(3), 124 – 134 (ABDC - B).
6. Subramaniam. R, Ramachandran. J And Yoon.D.T.K, (2013) Do voluntary disclosures in Malaysia help decision making: A theoretical study, MAREF Review. 4(1), 1 –4.
7. Subramaniam. R, Ramachandran. J and Yoon. D. T. K (2012) Importance of Internet Financial Reporting disclosures – Perception of lenders in Malaysia Academy of Taiwan Business Management Review. 8(3), 124 – 134 (ABDC 'B').
8. Ramachandran.J and Subramaniam. R, (2012) A qualitative study on the Auditors' 'true and fair view' reporting Corporate Board: roles, duties and composition. 8 (2), 108-124 (ABDC 'C').
9. Ramachandran. J, Subramaniam.R and John Ireno. K, (2012) Effectiveness of Internal Audit in Tanzanian Commercial Banks, British Journal of Arts and Social Sciences. 8(1), 32-44
10. Subramaniam. R and Ramachandran. J, (2012) An empirical study on the choice of accounting and auditing as a career – An evidence from Malaysia, South East Asian Journal of Contemporary Business, Economics and Law. 1(1), 156-162

How many publications, in total, have you published?

34

List any patents you have registered

0

4.1.26 Dr. Julien Mayor

Institution	The University of Nottingham Malaysia Campus
School/Department/Faculty	School of Psychology, Faculty of Science
Main Research Area(s)	Language acquisition, cognitive development, computational modeling, eye-tracking
Name	Dr. Julien Mayor
EMAIL	Julien.mayor@nottingham.edu.my
URL	http://www.nottingham.edu.my/Psychology/People/julien.mayor

Give a brief description of your research interests and/or expertise

Two-year old children can learn up to ten new words every day. While these amazing performances have been extensively described empirically, little is known in terms of their underlying neural mechanisms. Furthermore, the very large amount of lexical variability means that early diagnostic of language impairments and delays is often impossible, unless learning mechanisms are better understood.

My research aims at identifying such learning mechanisms involved when infants learn new words. To this end, I build computational models of cognitive development, I develop novel statistical analyses of language corpora and use a range of data-collection techniques such as pupillometry, eye-tracking and tablet-based experiments.

List up to 10 of your most recent or most important papers, giving the full citation

1. Mayor, J. and Plunkett, K. (2014) Infant Word Recognition: Insights from TRACE Simulations. Journal of Memory and Language. 71(1), 89-123
2. Mayor, J. and Plunkett, K. (2014) Shared Understanding and Idiosyncratic Expression in Early Vocabularies. Developmental Science. 17(3), 412-423
3. Mayor, J., Gomez, P., Chang, F. and Lupyan, G. (2014) Connectionism coming of age: legacy and future challenges. Frontiers in Psychology. 5, 187
4. Mayor, J. and Plunkett, K. (2011) A statistical estimate of infant and toddler vocabulary size from CDI analysis. Developmental Science. 14(4), 769-785

5. Molnar, M. and Mayor, J. (2010) The formation of the perceptual vowel space in monolinguals and simultaneous bilinguals: Insights from a model. The Journal of the Acoustical Society of America. 128(4), 2488
6. Mayor, J. and Plunkett, K. (2010) A neurocomputational account of taxonomic responding and fast mapping in early word learning. Psychological Review. 117(1), 1
7. Gliozzi, V., Mayor, J., Hu, J.-F. and Plunkett, Kim (2009) Labels as features (not names) for infant categorization: A neurocomputational approach. Cognitive science. 33(4), 709-738
8. Mayor, J. and Gerstner, W. (2005) Signal buffering in random networks of spiking neurons: Microscopic versus macroscopic phenomena. Physical Review E. 72(5), 051906
9. Mayor, J. and Gerstner, W. (2005) Noise-enhanced computation in a model of a cortical column. Neuroreport. 16(11), 1237-1240
10. Mayor, J. and Gerstner, W. (2004) Transient information flow in a network of excitatory and inhibitory model neurons: Role of noise and signal autocorrelation. Journal of Physiology-Paris. 98(4-6), 417-428

How many publications, in total, have you published?

~ 30

List any patents you have registered

0

4.1.27 Dr. Kalaimagal Ramakrishnan

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Foundation in Science
Main Research Area(s)	Knowledge Management System, Management Information System, Education
Name	Dr.Kalaimagal Ramakrishnan
EMAIL	Kalaimagal.ramakrishnan@nottingham.edu.my
URL	N.A

Give a brief description of your research interests and/or expertise

The areas that I have experience in as listed below:

- ✓ Knowledge Management
- ✓ Knowledge Management System
- ✓ Management Information System
- ✓ Mobile Learning
- ✓ Curriculum in Higher Learning Education

Ph.D Topic: USING WORK SYSTEM THEORY IN A KNOWLEDGE MANAGEMENT TOOL FOR CURRICULUM REVIEW PROCESS (University Of Malaya, 2013)

List up to 10 of your most recent or most important papers, giving the full citation

CHAPTER IN BOOK

2011
Kalaimagal Ramakrishnan and Norizan Mohd Yasin, Knowledge Management: Building a Bridge between Higher Learning Institution and Employer: Proceedings of the 5th International Conference on Technology, Education and Development (IATED 2011) March 7-9, 2011, Valencia, Spain. PP.2679-2688 (ISBN:978-84-614-7423-3)

ACADEMIC JOURNALS

2012

Kalaimagal Ramakrishnan and Norizan Mohd Yasin. The Role of Knowledge Management System in Higher Education Institution. International Proceedings of Computer Science and Information Technology. ISSN 2010-4600.

2011

Kalaimagal Ramakrishnan and Norizan Mohd Yasin. University - Industry Collaboration: Impact in Teaching and Learning. African Journal of Business Management. Vol. 6(8), March, 2012. ISSN: 1993-8233 (ISI Cited Publication).

Kalaimagal Ramakrishnan and Norizan Mohd Yasin. Employment issue among Malaysian ICT graduates: A Case Study, African Journal of Business Management. Vol. 5(26), pp. 10855-10861, 28 October, 2011. (ISI Cited Publication).

2010

Kalaimagal Ramakrishnan and Norizan Mohd Yasin. Knowledge Management Portal: Connecting Higher Learning Institution and Employer. Journal of Data Mining and Knowledge Discovery, Vol. 1, Issue 1, 2010, pp-01-18

PROCEEDING

2013

Developing Knowledge Management Tool in Higher Education Institutions using Work System Theory, IT infra 2013 International Conference, Malaysia

Poster Presentation, Developing Knowledge Management Tool using Work System Theory, IT infra 2013 International Conference, Malaysia

2012

Kalaimagal Ramakrishnan and Norizan Mohd Yasin. The Role of Knowledge Management System in Higher Education Institution. ICINT, India.

2011

Kalaimagal Ramakrishnan and Norizan Mohd Yasin, The influence of Knowledge Management in Higher Education Institutions, Post Graduate Research Excellence Symposium (PGReS), 26-27 September 2011, Selangor, Malaysia.

Kalaimagal Ramakrishnan and Norizan Mohd Yasin. Higher Learning Institution - Industry Collaboration: A necessity to improve teaching and learning process: Proceedings of the IEEE 6th International Conference on Computer Science & Education (ICCSE 2011). August 3-5, 2011. Singapore. (ISI Cited Publication).

Kalaimagal Ramakrishnan and Norizan Mohd Yasin, Knowledge Management: Building a Bridge between Higher Learning Institution and Employer: Proceedings of the 5th International Conference on Technology, Education and Development (IATED 2011) March 7-9, 2011, Valencia, Spain. PP.2679-2688 (ISBN:978-84-614-7423-3)

How many publications, in total, have you published?

11

List any patents you have registered

0

4.1.28 Dr. Khiew Poi Sim

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Faculty of Engineering
Main Research Area(s)	Advanced Materials and Nanotechnology
Name	Assoc. Professor Dr. Khiew Poi Sim
EMAIL	PoiSim.Khiew@nottingham.edu.my
URL	http://www.nottingham.edu.my/Engineering/People/PoiSim.Khiew

Give a brief description of your research interests and/or expertise

Prime research focus on advanced materials, nanoscience and nanotechnology advancement, especially on utilizing the nanostructures (graphene, semiconductor, ceramic and polymer composite) for charge storage, biosensing, photocatalysis, organic photovoltaic and microelectronic applications. The primary research interest lies in the areas of:

- Advanced nanomaterials (graphene, metal oxide, conducting polymer) synthesis using soft-chemistry technique
- Fabrication of electrochemical capacitor (supercapacitor) from carbon and nanocomposite
- Carbon-based electrochemical biosensing
- Nanoengineering of optically active semiconductor nanostructures for functional application in organic photovoltaic
- Development of magnetic nanocrystals and nanocomposites as photocatalyst for waste water treatment
- Fabrication of semiconductor nanomaterials for antimicrobial application
- Radiation physics and chemistry on grafting and co-polymerization
- Colloidal surfactant and lyotropic liquid crystal physical chemistry

List up to 10 of your most recent or most important papers, giving the full citation

1. Ejikeme Raphael Ezeigwe, Michelle T. T. Tan, Poi Sim Khiew, Chiu Wee Siong, One-step Green synthesis of graphene/ZnO nanocomposites for electrochemical capacitors, Ceramic International (2014), Accepted, In press

2. M.Y. Ho, P.S. Khiew, D. Isa, T.K. Tan, W.S. Chiu, C.H. Chia, Charge storage performance of lithiated iron phosphate / activated carbon composite as symmetrical electrode for electrochemical capacitor, Current Applied Physics (2014), In press, doi: 10.1016/j.cap.2014.09.001
3. Joanna Su Yuin Chia, Michelle T. T. Tan, Poi Sim Khiew, Jit Kai Chin, Hing Wah Lee, D.C.S Bien, Aunshih Teh and Chiu Wee Siong, A novel one step synthesis of graphene via sonochemical-assisted solvent exfoliation approach for electrochemical sensing application, Chemical Engineering Journal (2014) 249, 270-278
4. M.Y. Ho, P.S. Khiew, D. Isa, T.K. Tan, W.S. Chiu and C.H. Chia, A review of metal oxide composite electrode materials for electrochemical capacitors, Nano (2014) 9(6), 1430002
5. Wee Siong Chiu, Alireza Yaghoubi, Mei Yuen Chia, Noor Hamizah Khanis, Saadah Abdul Rahman, Poi Sim Khiew and Yu lun Chueh, Self-assembly and secondary nucleation in ZnO nanostructures derived from a lipophilic precursor, Crystal Engineering Communication (2014), 16(27), 6003-6009
6. Kin Nyap Wong, Poi Sim Khiew, Dino Isa, Wee Siong Chiu, Facile synthesis of flower-like PbO as a precursor to form nanodendritic PbO2 for positive active material (PAM) of lead-acid electrochemical storage devices, Materials Letters (2014) 128, 97-100
7. Maxine Swee Li Yee, Poi Sim Khiew, Yuen Fen Tan, Yih Yih Kok, Kok Whye Cheong, Wee Siong Chiu, Potent Antifouling Silver-Polymer Nanocomposite Microspheres using Ion-Exchange Resin as Templating Matrix, Colloids and Surfaces A (2014) 457, 382-391
8. M.Y. Ho and P.S. Khiew, Heat-Treated Fe_3O_4 - Activated Carbon Nanocomposite for High Performance Electrochemical Capacitor, Advanced Materials Research (2014) 894, 349-354
9. T.K. Tan, P.S. Khiew, W.S. Chiu, S. Radiman, R. Abd-Shukor, N.M. Huang and H.N. Lim, The Photodegradation of Organic Compounds by ZnO Nanopowder, Advanced Materials Research (2014) 895, 547-557
10. M.Y. Ho, P.S. Khiew, D. Isa, T.K. Tan, W.S. Chiu, C.H. Chia, M.A.A. Hamid and R. Shamsudin, Nano Fe_3O_4-Activated Carbon Composites for Aqueous Supercapacitors, Sains Malaysiana (2014) 43(6), 885-894

How many publications, in total, have you published?

> 60

List any patents you have registered

1

4.1.29 Dr.Khoo Gaik Cheng

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Modern Languages and Cultures
Main Research Area(s)	Southeast Asian Cinema, Food and identity, citizenship and migration, gender, cultural politics
Name	Dr.Khoo Gaik Cheng
EMAIL	Gaikcheng.khoo@nottingham.edu.my
URL	

Give a brief description of your research interests and/or expertise

Gaik Cheng Khoo teaches film and cultural studies but is interested in questions of belonging and the construction of cosmopolitan spaces that are enabled by food, film and social media. How does food and filmmaking create cosmopolitan spaces and ways of belonging as symbolised by mamak stalls and kopitiams? How do citizens and non-citizens create cosmopolitan solidarities in a globalizing society? Her research has mainly focused on independent filmmaking in Malaysia though her broad interests include identity, multiculturalism, cosmopolitanism and citizenship. Lately she is interested in food and heritage, for example focusing on the culinary links between Phuket and George Town, and new research on Penang hawker food as intangible cultural heritage.

List up to 10 of your most recent or most important papers, giving the full citation

1. Eating Together: Food, Space and Identity in Malaysia and Singapore. Co-authored with Jean Duruz. New York: Rowman and Littlefield (December 2014).
2. "Theorizing Different Forms of Belonging in a Cosmopolitan Malaysia." Special Issue "New Ethnoscapes and different forms of belonging in Malaysia." Guest editors, Khoo Gaik Cheng and Julian C.H. Lee Citizenship Studies 18.8 (forthcoming December 2014).
3. "Bersih dan Ubah: citizenship rights, intergenerational togetherness and multicultural unity in Malaysia." In Worlding Multiculturalisms in Asia. Eds. Daniel Goh, Jun-Hyeok Kwak and Duncan Ivison. London: Routledge, 2014.

4. "'We keep it local' – Malaysianising "Gangnam Style": a question of place and identity." In K-Pop – The International Rise of the Korean Pop Music Industry. Eds. JungBong Choi and Roald Maliangkay. London: Routledge, 2014.
5. "The Politics of Reformasi: independent filmmakers re-imagine citizenship in Malaysian Gods and Project 15Malaysia." Misplaced Democracy: Malaysian Politics and People. Ed. Sophie Lemière. PetalingJaya, Malaysia: SIRD, 2014.
6. "Imagining hybrid cosmopolitan Malaysia through Chinese kungfu comedies: Nasi Lemak 2.0 (2011) and Petaling Street Warriors (2011)." Journal of Chinese Cinemas 8.1(4 Feb 2014): 57-72. DOI:10.1080/17508061.2013.875730
7. "Of Diminishing Memories and Old Places: Singaporean Films and the Work of ArchivingLandscape.
8. " Concentric Literary and Cultural Studies 39.1 (March 2013): 31-52. ISSN 1729-6897"The rise of Constitutional Patriotism in Malaysian civil society." Asian Studies Review (publ online 26 June, 2013). DOI:10.1080/10357823.2013.767309
9. "Where the Heart Is: Cinema and Civic Life in Singapore." New Suburban Stories. Eds. Martin Dines and Timotheus Vermeulen. London: Bloomsbury Academic, 2013, pp. 97-108.
10. "Just Do-It-(Yourself): Independent Filmmaking in Malaysia." Inter-Asia Cultural Studies 8.2 (2007): 227-247.
11. "Reading the films of independent filmmaker Yasmin Ahmad: cosmopolitanism, Sufi Islam and Malay subjectivity." Race and Multiculturalism in Malaysia and Singapore. Eds. Daniel Goh, Matilda Gabrielpillai, Philip Holden and Khoo Gaik Cheng. UK: Routledge, 2009.
12. Reclaiming Adat: Contemporary Malaysian Film and Literature. Vancouver: University of British Columbia Press, 2006.

How many publications, in total, have you published?

30 including refereed journal articles and book chapters and two books. Over 20 non-refereed articles mostly on film such as reviews, interviews, short fiction.

List any patents you have registered

0

4.1.30 Dr Kinya Hotta

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	School of Biosciences
Main Research Area(s)	• Metabolic engineering • Synthetic biology • Natural product biosynthesis • Structural enzymology
Name	Associate Professor Kinya Hotta
EMAIL	Kinya.Hotta@nottingham.edu.my
URL	http://www.nottingham.edu.my/Biosciences/People/kinya.hotta

Give a brief description of your research interests and/or expertise

We are interested in understanding how chemicals are biosynthesized by various organisms, and applying the knowledge for sustainable production of valuable compounds, such as pharma-/nutraceutical agents and industrial chemicals, from renewable resources. Specifically, we pursue biochemical and structural characterizations of biosynthetic enzymes and engineering of metabolic pathways for synthetic biological applications.

Current projects include:

- Bio-production of industrially valuable chemicals in heterologous hosts, such as Escherichia coli, yeast, fungi and cyanobacteria, using renewable resources.
- Screening microorganisms and their genome sequences for identifying new and unique enzymes with properties useful for industrial and medicinal applications.
- Biochemical and structural investigations of enzymes involved in the biosynthesis of various metabolites for understanding their catalytic mechanisms and engineering their activities.
- Specific targets include biosynthesis/semi-synthesis of polyketides, nonribosomal peptides, terpenoids, flavonoids and fine/commodity chemicals (e.g., aromatic compounds, organic acids), as well as production of industrially useful proteins (enzymes like lipases and oxidoreductases, antibodies, sweet-tasting proteins).

List up to 10 of your most recent or most important papers, giving the full citation

1. Hotta K, Chen X, Paton RS, Minami A, Li H, Swaminathan K, Mathews II, Watanabe K, Oikawa H, Houk KN & Kim CY. Enzymatic catalysis of anti-Baldwin ring-closure in polyether biosynthesis. Nature. 2012, 483, 355–358, DOI:10.1038/nature10865.
2. Tsunematsu Y, Ishikawa N, Wakana D, Goda Y, Noguchi H, Moriya H, Hotta K & Watanabe K. Distinct mechanisms for spiro-carbon formation reveal biosynthetic pathway crosstalk. Nature Chem. Biol. 2013, 9, 818–825. DOI: 10.1038/nCHeMBIO.1366.
3. Watanabe K, Hotta K, Praseuth AP, Koketsu K, Migita A, Boddy CN, Wang CC, Oguri H & Oikawa H. Total biosynthesis of antitumor nonribosomal peptides in Escherichia coli. Nature Chem. Biol. 2006, 2, 423–428. DOI:10.1038/nchembio803.
4. Ishikawa N, Tanaka H, Koyama F, Noguchi H, Wang CCC, Hotta K & Watanabe K. Non-heme dioxygenase catalyzes atypical oxidations of 6,7-bicycle to form 6,6-quinolone core of viridicatin-type fungal alkaloid. Angew. Chem. Intl. Ed. 2014, 53, In Press. DOI: 10.1002/anie.201407920.
5. Hotta K, Keegan RM, Ranganathan S, Fang M, Bibby J, Winn MD, Sato M, Lian M, Watanabe K, Rigden DJ & Kim CY. Conversion of a disulfide bond into a thioacetal group during echinomycin biosynthesis. Angew. Chem. Intl. Ed. 2014, 53, 824–828. DOI: 10.1002/anie.201307404.
6. Hotta K, Kim CY, Fox DT & Koppisch AT. Siderophore-mediated iron acquisition in Bacillus anthracis and related strains. Microbiology. 2010, 156, 1918–1925, DOI:10.1099/mic.0.039404-0.
7. Hotta K & Watanabe K. Chapter 11. Current understanding and hypotheses on the biosynthesis of microalgal polyether toxins. in Toxins and Biologically Active Compounds from Microalgae, Vol. 1. Origin, Chemistry and Detection.2014, 281–347. ed. Gian Paolo Rossini. CRC Press, Boca Raton, FL, USA. DOI: 10.1201/b16569-14.
8. Fox DT, Hotta K, Kim CY & Koppisch AT. The missing link in petrobactin biosynthesis: asbF encodes a (–)-3-dehydroshikimate dehydratase. Biochemistry. 2008, 47, 12251–12253. DOI:10.1021/bi801876q.
9. Boddy CN, Hotta K, Lovato-Tse M, Watts RE & Khosla C. Precursor-directed biosynthesis of epothilone in Escherichia coli. J. Am. Chem. Soc. 2004, 126, 7436–7437. DOI: 10.1021/ja048108s.
10. Fallang L-E, Bergseng E, Hotta K, Berg-Larsen A, Kim CY & Sollid LM. Differences in the risk of celiac disease associated with HLA-DQ2.5 or HLA-DQ2.2 are related to sustained gluten antigen presentation. Nature Immunol. 2009, 10, 1096–1101. DOI:10.1038/ni.1780.

How many publications, in total, have you published?

>200

List any patents you have registered

0

4.1.31 Ir. Prof. Law Chung Lim

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Department of Chemical and Environmental Engineering
Main Research Area(s)	Food and herbs processing, Food and herbs preservation, Food quality, Food safety, retention of bio-active ingredients, Industrial drying, Dehydrated food, Diffusion, Scale-up, Fluidized bed, Chemical process safety, Safety management
Name	Ir. Prof. Law Chung Lim
EMAIL	Chung-Lim.Law@nottingham.edu.my
URL	http://www.nottingham.edu.my/Engineering/Departments/Chemenv/People/chung-lim.law

Give a brief description of your research interests and/or expertise

Food and Bioproduct Processing is one of the research priorities in University of Nottingham Malaysia Campus. We focus on developing suitable processing technology for the processing of bio-origin products including foods, herbs, biotechnological products, agricultural products etc, while focusing on the retention of bio-active ingredients. In addition, we also focus on safety, energy, transport (mass transport, diffusion, mass transfer, energy transfer etc.) aspects.

Most of the projects that we are working on are industry-relevant. They are:

- Processing of herbs including Misai Kuching, Belalai Gajah, Roselle, focusing on maximizing energy efficiency of the processing machine, effectiveness in harnessing solar energy to assist processing, maximizing retention of bio-active ingredients and preserving colour of the processed products. (NRGS project, funded by MOA, 2014-2016)
- Processing of edible birdnests, focusing on minimizing colour change and maximizing retention of bio-active compounds. (ERGS project, funded by MOE, 2012-2014)
- Processing of crumb rubber, focusing on reducing energy consumption, improving machinery efficiency. (Industry research contract, 2014-2016)
- Preserving rice noodles without the usage of chemical preservatives, focusing on producing better appearance, prolonged shelf-life.

List up to 10 of your most recent or most important papers, giving the full citation

1. Chien Hwa Chong, Adam Figiel, Chung Lim Law & Aneta Wojdyło. Combined Drying of Apple Cubes by Using of Heat Pump, Vacuum-Microwave, and Intermittent Techniques. Food and Bioprocess Technology, 7 (4), 975-989. DOI 10.1007/s11947-013-1123-7.
2. Siew Kian Chin & Chung Lim Law. 2014. Maximizing the Retention of Ganoderic Acids and Water-Soluble Polysaccharides Content of Ganoderma lucidum Using Two-Stage Dehydration Method. Drying Technology, 32: 644-656. DOI: 10.1080/07373937.2013.850434.
3. HW Xiao, CL Law, DW Sun, ZJ Gao. 2014. Color Change Kinetics of American Ginseng (Panax quinquefolium) Slices During Air Impingement Drying. Drying Technology, 32 (4), 418-427.
4. Tamas Antal, Chien Hwa Chong, Chung Lim Law & Laszlo Sikolya. 2014. Effects of freeze drying on retention of essential oils, changes in glandular trichomes of lemon balm leaves. International Food Research Journal, 21(1): 387-394.
5. Yi Jing Chan, Mei Fong Chong, Chung Lim Law. 2014. Optimization of thermophilic anaerobic-aerobic treatment system for Palm Oil Mill Effluent (POME). Frontiers of Environmental Science & Engineering, DOI: 10.1007/s11783-014-0626-4.
6. Tin Wui Wong, Wan Hussin Ashikin & Chung Lim Law. 2014. Evaporation and Diffusion Transport Properties and Mechanical Properties of Alginate Dried Film. Drying Technology, 32(1): 117-125. DOI:10.1080/07373937.2013.821479.
7. Choon Yoong Cheok, Nyuk Ling Chin, Yus Aniza Yusof, Rosnita A. Talib, Chung Lim Law. 2013. Anthocyanin Recovery from Mangosteen (Garcinia mangostana L.) Hull using Lime Juice Acidified Aqueous Methanol Solvent Extraction. Food Science and Technology Research, 19(6): 971-978.
8. Ching Lik Hii, Chung Lim Law & Suzannah Sharif. 2013. Quality Characteristics of Heat Pump Dried Cocoa Beans. Drying Technology & Equipment, 11(3), 46-56.
9. Chien Hwa Chong, Chung Lim Law, Adam Figiel, Aneta Wojdyło, Maciej Oziembłowski. 2013. Colour, phenolic content and antioxidant capacity of some fruits dehydrated by a combination of different methods. Food Chemistry, 141: 3889–3896. DOI: 10.1016/j.foodchem.2013.06.042.
10. Choon Yoong Cheok, Nyuk Ling Chin, Yus Aniza Yusof, Rosnita A. Talib, Chung Lim Law. 2013. Optimization of total monomeric anthocyanin (TMA) and total phenolic content (TPC) extractions from mangosteen (Garcinia mangostana Linn.) hull using ultrasonic treatments. Industrial Crops and Products, 50: 1-7. DOI 10.1016/j.indcrop.2013.07.024.

How many publications, in total, have you published?

95

List any patents you have registered

0

4.1.32 Dr. Lee Chan Wai

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Mechanical, Materials & Manufacturing Engineering
Main Research Area(s)	Engineering Management, Engineering Policy, Industry Research, Operations Management, Process Improvement, Quality Management, Strategy and Marketing, Project Management
Name	Lee Chan Wai
EMAIL	Chan-Wai.Lee@nottingham.edu.my
URL	NA

Give a brief description of your research interests and/or expertise

My research is based around broadly helping engineering organization to work better, engage more effectively and strive for strong gains in different areas. My research is cross-discipline and broad-based with a firm focus on delivery.

List up to 10 of your most recent or most important papers, giving the full citation

1. Robert Gan, Chan Wai Lee & Andrew Spowage
   The Levels of PM Maturity PMI Global Congress, Melbourne Australia on 22-24 Feb 2010
2. C. W. Lee, R. Jamaluddin & C. M. M. Chin
   Understanding the Requirements for Project Management Maturity Models: Awareness of the ICT Industry in Malaysia IEEE International Conference on Industrial Engineering and Engineering Management on 7 – 10 December 2010 in Macau.
3. N. Y. G. Lai, E. H. Yap, and C.W. Lee
   Viability of CCS: A broad-based assessment for Malaysia
   Renewable and Sustainable Energy Reviews
   Volume 15, Issue 8, October 2011, Pages 3608-3616
4. W. Y. Wong, K. Y. Tshai, and C. W. Lee
   The Evolution of Quality Improvement Methodology in Malaysia's IT Industry: The Past, Current and Future" in International Journal of Mechanical, Industrial Science and Engineering, World Academy of Science, Engineering and Technology, Vol: 6 No:12, 2012, pp 15-24.

5. W. Y. Wong, K. Y. Tshai, and C. W. Lee
The Evolution of Quality Improvement Methodology in Malaysia's IT Industry: The Past, Current and Future.33rd International Conference on Information Systems, ICIS Penang, World Academy of Science, Engineering and Technology, pp 167-176, 2012.
6. Fathima Azra Rishafy, Chan Wai Lee, Whee Yen Wong
A Review of Resistance Factors to Quality Management in the IT Sector in Malaysia
Global Perspective on Engineering Management, August 2013, Vol 2, Issue 3, pp 121-133
7. N. Y. G. Lai, K.H. Aw, C. W. Lee, and E. H. Yap
"Public choice of carbon capture and storage (CCS) as a climate change mitigation technology: The case for Malaysia and selected developed economies,"
Energy Education Science and Technology Part B: Social and Educational Studies, vol. 5(3), pp. 433-446, 2013. ISSN:1308-7711
8. Whee Yen Wong, Chan Wai Lee, Kim Yeow Tshai
The Importance of a Software Development Methodology in IT Project Management: An Innovative Six Sigma Approach
IEEE Symposium on Business, Engineering and Industrial Applications, ISBEIA Kuching, Malaysia, pp 130-135, 2013
9. Whee Yen Wong, Chan Wai Lee, Kim Yeow Tshai
Six sigma implementation in IT software product industry – A case study of SME in Malaysia: Six sigma methodology in IT project management
International Journal of Computer Engineering & Technology, volume 4, issue 4, July-August 2013, pp 475-484, ISSN 0976-6367 (Print), ISSN 0976-6375 (Online)
10. N. C. Onyemeh, C.W. Lee
Improving Quality of Operations via Industry-Specific Empowerment Antecedents: A Study of the Oil and Gas Industry
11. IEEM International Conference on Industrial Engineering and Engineering Management, IEEM14-P-0140, 9-12 December 2014, Malaysia

How many publications, in total, have you published?

>30

List any patents you have registered

0

4.1.33 Dr. Mamunur Rashid

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Nottingham University Business School
Main Research Area(s)	Islamic economics, entrepreneurship, corporate finance and business ethics
Name	Dr. Mamunur Rashid
EMAIL	mamunur.rashid@nottingham.edu.my
URL	http://www.nottingham.edu.my/Business/People/Mamunur.Rashid

Give a brief description of your research interests and/or expertise

Islamic economics is a fast growing financial segment for the Muslims. The inventions in this segments attract investors, governments, consumers and academicians to unearth the compliance of the system to Islamic principles, the performance of various stakeholders, the difference between the conventional system with the Islamic system and finally on how to operational a sustainable operational of any firm or bank under an Islamic system. After 10 years of active teaching, research and consultancy services, I am still searching the relevance of the following topics/areas for companies/banks in many countries:

- A low cost Zakat-waqf-entrepreneurship model for countries where income inequality is very high
- Islamic capital market for small companies
- Alternative shareholding for Islamic firms
- Socially responsible Islamic banking
- One stop wealth management services
- Cross border challenges for Islamic banks
- Challenges of managing Investment Accounts in Islamic banks
- Global cost-return patterns of Islamic banks and way to reduce cost-benefit ratio

These are some of the challenges professionals are facing globally and we need efficient solutions before it is too late. These challenges fall broadly under corporation valuation, responsibility and growth perspective that can be applied to any organization anywhere.

List up to 10 of your most recent or most important papers, giving the full citation

1. Fauzias Mat Nor, Rashid, M., Izani Ibrahim, Yunyi, Bai, (2014). Investor Sentiment and Bank Deposits in Malaysia: Do Bank Managers Time the Market while Pricing Deposits? Journal of Finance & Financial Services, Vol. 1, No. 1, pp. 71-84.
2. Ahmad, A., Rashid, M., Omar, N. A. and Alam, S.S., (2014). Perceptions on Renewable Energy Use in Malaysia: Mediating Role of Attitude. Jurnal Pengurusan (The UKM's Journal of Management), Vol. 41 (September 2014) Forthcoming ISSN: 0127-2713 [Scopus].
3. Rashid, M. and Hassan, M.K. (2014). Market Value of Islamic Banks and Ethical Identity. American Journal of Islamic Social Sciences, Vol. 31, No. 2, pp. 43-79.
4. Alam, S.S., Hashim, N.N.H., Rashid, M., Omar, N.A., Ahsan, N., and Ismail, M.D. (2014). Small-scale Households Renewable Energy Usage Intention: Theoretical Development and Empirical Settings. Renewable Energy, Vol. 68 (August 2014), pp-255-263, DOI: http://dx.doi.org/10.1016/j.renene.2014.02.010. [Impact 2.98]
5. Rashid, M., Fauzias Mat Nor and Izani Ibrahim (2013). Evidence of Dividend Catering Theory in Malaysia: Implication for Investor Sentiment. Contemporary Economics, Vol. 7, No. 4, pp. 99-110, DOI: http://dx.doi.org/10.5709/ce.1897-9254.125, ISSN: 2084-0845 [SCOPUS].
6. Fauzias Mat Nor, Izani Ibrahim, Rashid, M. (2013). Exposure to Investor Sentiment in Malaysia: Services versus Manufacturing Stocks, Global Business Economics Anthology, Vol. 1, No: March 2013, pp. 239-248. [ABDC - C]
7. Rashid, M., Abdeljawad, I., Ngalim, S. M. and Hassan, M. K. (2013). Customer Centric Corporate Social Responsibility: A Framework for Islamic Banks on Ethical Efficiency. Management Research Review, Vol. 36, No. 4, pp. 359-378. [SCOPUS].
8. Alam, S.S., and Rashid, M. (2012). Intention to use renewable energy: Mediating role of attitude. Energy Research Journal, Vol. 3, No. 2, pp. 37-44.
9. Bhuiyan, A. B., Siwar, C., Islam, A. and Rashid, M. (2012). The Approaches of Islamic and Conventional Microfinance for Poverty Alleviation and Sustainable Livelihood. American Journal of Applied Sciences, Vol. 9, No. 9, 1386-1389. [SCOPUS]
10. Rashid, M. Samina, Q.S. and Bhuiyan, A.B. (2012). A Qualitative Enquiry into the Risk Management and Reporting Practices of Islamic Banks in Malaysia. International Journal of Business and Technopreneurship, Vol. 2, No. 1. pp. 1-20.

How many publications, in total, have you published?

>25

List any patents you have registered

0

4.1.34 Dr.Maniam Kaliannan

Institution	The University of Nottingham Malaysia Campus
School/Department/Faculty	School of Business
Main Research Area(s)	Human Resource Management, Talent Management, E-Government.
Name	Maniam Kaliannan
EMAIL	Maniam.kaliannan@nottingham.edu.my
URL	

Give a brief description of your research interests and/or expertise

Human Resource Management and Talent Management research involves both the operational and strategic aspects of managing the human capital in achieving organizational performance and success. It covers wide range of area such as:

- Leadership
- Change management
- Staffing
- Developing
- Rewarding
- Motivation
- Retaining

List up to 10 of your most recent or most important papers, giving the full citation

1. Maniam, K. & Vanitha , P. (2014). Apple was sweeter when Steve Jobs held sway. Human Resource Management International Digest, 22(4), 25-28.
2. Kuchmanov, A. & Maniam, K. (2014). Does money motivate employees? Empirical study of private and public financial sector in Kazakhstan. International Journal of Business and Management- in Press.
3. Maniam, K. & Kheing, N.K. (2014).Effective Management of Employee Performance: Case Study of a Malaysian ICT Company. International Journal of Human Resource Management- in Press.

4. Dorasamy, M., Raman, M., & Kaliannan, M.(2013).Knowledge Management Systems in Support of Disaster Management: A Two-Decade Review. Technological Forecasting and Social Change, 80, 1834-1853, (Listed in ERA (A), ABDC (A), ISI & Scopus)
5. Dorasamy, M., Raman, M., Kaliannan, M., and Muthaiyah, S.(2013). Knowledge Management Systems Success factors for Emergency Managers: A Situational Approach. International Journal of Business Continuity and Risk Management (IJBCRM), 3(4), 359-372, ISSN: 1758-2164.
6. Dorasamy, M. , Raman, R. & Kaliannan, M. (2013). Disaster Preparedness: An Investigation on Motivation and Barriers. Journal of Emergency Management, 11(5), 1-14, ISSN: 1543-1565.
7. Thoo, L. & Maniam, K. (2013). International HR Assignment in Recruiting and Selecting: Challenges, Failures and Best practices. International Journal of Human Resource Studies, 3(4), 143-158, ISSN: 2162-3058, DOI: 10.5296/ijhrs.v3i4.4610
8. Maniam, K. & Suseela, D. (2012). Empowering Students through Outcome Based Education (OBE). Research in Education, Manchester University Press, 87(1), 50-63, ISSN: 0034-5237. DOI**:** http://dx.doi.org/10.7227/RIE.87.1.4
9. Goh Hui Chin & Maniam, K. (2011). Human Resource Management Practices in Logistic Service Provider Industry: A Case Study. Interdisciplinary Journal of Contemporary Research in Business (IJCRB), 2(9), 32-44. ISSN: 2073-7122.
10. Murali, R., Maniam, K., & Magiswary, D. (2011). Knowledge Management for Social Workers Involved in Disaster Planning and Response in Malaysia: An Action Research Approach. Systematic Practice and Action Research (SPAR) Journal, 24, 261-272, ISSN: 1573-9295 (ISI) DOI: http://dx.doi.org/ 10.1007/s11213-011-9193-9

How many publications, in total, have you published?

50

List any patents you have registered

0

4.1.35 Dr Matthew Ashfold

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Biosciences
Main Research Area(s)	Atmospheric science
Name	Dr Matthew Ashfold
EMAIL	Matthew.Ashfold@nottingham.edu.my
URL	http://www.nottingham.edu.my/Biosciences/People/matthew.ashfold

Give a brief description of your research interests and/or expertise

I study the behaviour of the atmosphere using a combination of numerical models and field measurements. My focus is on the atmosphere of Southeast Asia, which is influenced by a unique mixture of ocean and island processes, by particularly vigorous vertical mixing of the atmosphere by thunderstorms, and by a cocktail of trace gases which are introduced by expanding human activity and by the various types of vegetation (both natural or agricultural). I am interested in all of these influences, and have recently investigated emissions of trace gases from the oceans in Southeast Asia and the subsequent transport of such gases from near the surface towards the upper atmosphere. I am also currently studying the chemical properties of the interface between the tropical troposphere and stratosphere, and how atmospheric pollution may be transported from temperate East Asia towards Malaysia in the tropics.

List up to 10 of your most recent or most important papers, giving the full citation

1. ASHFOLD, M. J., HARRIS, N. R. P., MANNING, A. J., ROBINSON, A. D., WARWICK, N. J. and PYLE, J. A., 2014. Estimates of tropical bromoform emissions using an inversion method. Atmospheric Chemistry and Physics. 14(2), 979-994
2. ASHFOLD, M. J., HARRIS, N. R. P., ATLAS, E. L., MANNING, A. J. and PYLE, J. A., 2012. Transport of short-lived species into the Tropical Tropopause Layer. Atmospheric Chemistry And Physics. 12(14), 6309-6322
3. PYLE, J. A., ASHFOLD, M. J., HARRIS, N. R. P., ROBINSON, A. D., WARWICK, N. J., CARVER, G. D., GOSTLOW, B., O'BRIEN, L. M., MANNING, A. J., PHANG, S. M., YONG, S. E.,

LEONG, K. P., UNG, E. H. and ONG, S., 2011. Bromoform in the tropical boundary layer of the Maritime Continent during OP3. Atmospheric Chemistry and Physics. 11(2), 529-542

How many publications, in total, have you published?

~10

List any patents you have registered

0

4.1.36 Dr. Md Mobin Siddique

Institution	University of Nottingham, Malaysia Campus
School/Department/Faculty	Biosciences
Main Research Area(s)	Cardiovascular Diseases and Liver Cancer
Name	Associate Professor Md Mobin Siddique
EMAIL	mobin.siddique@nottingham.edu.my
URL	

Give a brief description of your research interests and/or expertise

The goal of my research project is to address the therapeutic potential of several phytochemicals in preventing CVD. More specifically, we want to investigate the molecular mechanisms of several promising natural compounds in inducing adipogenesis, insulin response, autophagy, and apoptosis. We have recently shown that inhibition of certain lipid metabolites increases autophagic property, inhibits apoptosis, and prevents accumulation of lipid droplets in vitro. These molecular events collectively can help to prevent fatty liver disease (NAFLD) and its advanced form (Liver Cirrhosis/Hepatic Cancer). We are using both in vitro and in vivo models for our research projects. The research project will pursue the following areas:

- Cell cycle, Cell proliferation, and Apoptosis.
- Insulin sensitivity and pro-anabolic pathways
- Autophagy to prevent hepatic steatosis
- Adipogenesis and lipid metabolism

List up to 10 of your most recent or most important papers, giving the full citation

1. Jose A. Chavez, M. Mobin Siddique, Puck Wee Chan, James A. Shayman, and Scott A. Summers. 2014. Ceramides and Glucosylceramides are Independent Antagonists of Insulin Signaling. J Biol Chem. 289 (2):723-34.
   Citation: 4

2. MM Siddique, Ying Li, Liping Wang, Jianhong Ching, Mainak Mal, Olga Ilkayeva, Ya Jun Wu, Boon Huat Bay, and Scott Summers. 2013. Ablation of Dihydroceramide Desaturase-1, a therapeutic target for the treatment of metabolic diseases, simultaneously stimulates anabolic and catabolic signaling. Mol Cell Biol. 33(11):2353-69.
   Citation: 6
3. M Siddique and K Sabapathy. 2006. Trp53-dependent DNA-repair is affected by the codon 72 polymorphism. Oncogene.25(25):3489-3500.
   Citation: 96
4. Siddique MM, Balram C, Fiszer-Maliszewska L, Aggarwal A, Tan A, Tan P, Soo KC, Sabapathy K. 2005. Evidence for selective expression of the p53 codon 72 polymorphs: implications in cancer development. Cancer Epidemiol Biomarkers Prev.14(9):2245-2252.
   Citation: 54
5. RA Sinha, Seo-Hee You, Zhou J, MM Siddique, BH Bay, X Zhu, M Privalsky, S Cheng, R Stevens, SA Summers, CB Newgard, MA Lazar, PM Yen. 2012. Thyroid hormone stimulates hepatic autophagy associated with increased lipid catabolism. J Clin Invest. 122(7):2428-38.
   Citation: 31
6. Sinha RA, Farah BL, Singh BK, Siddique MM, Li Y, Wu Y, Ilkayeva OR, Gooding J, Ching J, Zhou J, Martinez L, Xie S, Bay BH, Summers SA, Newgard CB, Yen PM. 2013. Caffeine stimulates hepatic lipid metabolism via autophagy-lysosomal pathway. Hepatology. 59(4):1366-80.
   Citation: 16
7. M M Siddique, Benjamin T Bikman, Liping Wang, Li Ying, Erin Reinhardt , GuanghouShui, Markus R. Wenk, and Scott A. Summers*. 2012. Ablation of Dihydroceramide Desaturase Confers Resistance to Etoposide-Induced Apoptosis. PLoS ONE. 7(9): e44042.
   Citation: 5
8. Vikhanskaya F, Siddique MM, Kei Lee M, Broggini M, Sabapathy K. 2005. Evaluation of the combined effect of p53 codon 72 polymorphism and hotspot mutations in response to anticancer drugs. Clin Cancer Res.11(12):4348-4356.
   Citation: 41
9. Toh WH, Siddique MM, Boominathan L, Lin KW, Sabapathy K. 2004. c-Jun regulates the stability and activity of the p53 homologue, p73. J Biol Chem. 279(43):44713-44722.
   Citation: 71
10. MM Siddique and EK Tan.2010. Neurochemistry changes associated with mutations in Familial Parkinson's disease. Curr Med Chem. 17(35):4378-91.
    Citation: 3

How many publications, in total, have you published?

20

List any patents you have registered

4.1.37 Dr. Nafis Alam

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Nottingham University Business School
Main Research Area(s)	Islamic Finance, Corporate finance, Banking regulation, Capital market and portfolio, Emerging markets finance
Name	Associate Professor NAFIS ALAM
EMAIL	nafis.alam@nottingham.edu.my
URL	http://www.nottingham.edu.my/Business/People/nafis.alam

Give a brief description of your research interests and/or expertise

Islamic finance has emerged as alternative finance for the global economy and there are lots of issues which need to address for the further development of the sector. I am interested in looking at Islamic banking and finance areas from quantitative research perspective for better policy implications for the sector. Using data from the dual banking countries, research are focused on banking regulation, banking efficiencies, risk taking behavior studies. Apart from Dual banking economy I am also interested in behavior finance, capital market, portfolio risk and return research domain.

Using Islamic philanthropy and trust data I am also interested in studying its impact on societal well-being.

List up to 10 of your most recent or most important papers, giving the full citation

1. ALAM, N. and NG, S.L., 2014, Banking Mergers - An Application of Matching Strategy, Review of Accounting and Finance, 13(1): 2-23.
2. ALAM, N., 2014, Regulations and Bank Risk taking in Dual Banking Countries, Journal of Banking Regulation, 15(2): 105-116.
3. NGENE, G.M., HASSAN, M.K and ALAM, N., 2014, Price discovery process in the emerging sovereign CDS and equity markets, Emerging Markets Review, 21: 117-132.
4. ALAM, N., 2014, Islamic Banking & Finance: A Viable Alternative to a Flawed Global System, In: NAIR, M. & LEE, G.H.Y., ed., Islamic Business: Contemporary Issues and Economic Development First. LexisNexis. 1-20

5. ALAM, N., 2013, A comparative performance analysis of conventional and Islamic exchange-traded funds, Journal of Asset Management, 14(1): 27-36.
6. ALAM, N., TANG, K.B. and RAJJAQUE, M.S., 2013, A Comparative Performance of Conventional and Islamic Unit Trust: Market Timing and Persistence Evidence, Journal of Financial Services Marketing, 18(4): 316-326.
7. ALAM, N., HASSAN, M.K. and HAQUE, M.A., 2013, Are Islamic bonds different from conventional bonds? International evidence from capital market tests, Borsa Istanbul Review, 13(3): 22-29.
8. ALAM, N. and TAN, EE CHAIN, 2012, Impact of Financial Crisis on Stock Returns: Evidence From Singapore, Studies in Business and Economics, 7(2): 5-19.
9. ALAM, N. and TANG, K.B., 2012, Risk-Taking Behaviour of Islamic Banks: Application of Prospect Theory, Qualitative Research in Financial Markets, 4(2): 156-164.
10. SHANMUGAM, B and ALAM, N. & ZAHARI, Z.R, 2009, Encyclopedia of Islamic Finance 1st. Insight Network.

How many publications, in total, have you published?

60

List any patents you have registered

0

4.1.38 Dr Nashiru Billa

Institution	University of Nottingham, Malaysia Campus
School/Department/Faculty	Pharmacy
Main Research Area(s)	Nanoparticulate Drug Delivery
Name	Dr Nashiru Billa
EMAIL	Nashiru.Billa@nottingham.edu.my
URL	http://www.nottingham.edu.my/Pharmacy/Research/Index.aspx

Give a brief description of your research interests and/or expertise

My main research interest lies in improving the oral bioavailability of poorly absorbed drugs through nano/micro-particulate drug delivery and gastrointestinal transit monitoring. A significant amount of my work goes in characterization of fabricated dosage forms and performing pharmacokinetic studies on animal models.

List up to 10 of your most recent or most important papers, giving the full citation

1. W. Tan, N. Billa, C. R. Roberts and J.C. Burley (2010) Surfactant effects on the physical characteristics of Amphotericin B-containing nanostructured lipid carriers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 372 (1-3) 73-79.
2. Curcumin-containing chitosan nanoparticles as a potential mucoadhesive delivery system to the colon. Lay Hong Chuah, Nashiru Billa, Clive J. Roberts, Jonathan C. Burley, and Sivakumar Manickam Pharmaceutical Development and Technology, 2011, (early online) 1–9
3. Chuah, LH, Billa, N and Sivakumar, M 2011. Effect of homogenization and ultrasonication on curcumin-containing nanoparticles. Journal of Industrial Technology 20(1) 1-11
4. Siah Ying Tang, Sivakumar Manickam, Tan Khang Wei, Billa Nashiru (2012). Formulation development and optimization of a novel Cremophore EL-based nanoemulsion using ultrasound cavitation. Ultasonics and sonchemistry, 19 (2) 330-345.
5. Nadine Nograles, Syahril Abdullah, Mariana Nor Shamsudin, Nashiru Billa,5 and Rozita Rosli, Formation and characterization of pDNA-loaded alginate microspheres for oral

administration in mice. Journal of Bioscience and Bioengineering Journal of Bioscience & Bioengineering, 113, Issue 2, February 2012, 133-140
6. Siah Ying Tang, Manickam Sivakumar, Billa Nashiru, Impact of Osmotic Pressure and Gelling in the generation of Highly Stable Single Core Water-in-Oil-in-Water (W/O/W) Nano Multiple Emulsions of Aspirin assisted by Two-stage Ultrasonic Cavitational Emulsification, Colloids and Surfaces B: Biointerfaces. 102, 1, (2013) 653-658
7. Asantewaa, Y.; Aylott, J.; Burley, J.C.; Billa, N.; Roberts, C.J. Correlating Physicochemical Properties of Boronic Acid-Chitosan Conjugates to Glucose Adsorption Sensitivity. *Pharmaceutics* 2013, *5*, 69-80
8. Lay Hong Chuah, Clive J. Roberts, Nashiru Billa, Syahril Abdullah, Rozita Rosli & Sivakumar Manickam Using Nanoparticle Tracking Analysis (NTA) to Decipher Mucoadhesion Propensity of Curcumin-Containing Chitosan Nanoparticles and Curcumin Release. Journal of Dispersion Science and Technology (2014) DOI:10.1080/01932691.2013.800458
9. See Wei Tan, Nashiru Billa Lipid Effects on Expulsion Rate of Amphotericin B from Solid Lipid Nanoparticles, AAPS PharmSciTech April 2014, Volume 15, Issue 2, pp 287-29
10. Chuah LH, Roberts CJ, Billa N, Abdullah S, Rosli R Cellular uptake and anticancer effects of mucoadhesive curcumin-containing chitosan nanoparticles. Colloids and Surfaces. B, Biointerfaces, 2014, 116C:228-236.

How many publications, in total, have you published?

25

List any patents you have registered

0

4.1.39 Dr Ong Sze Pheng

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Chemical & Environmental Engineering/ Faculty of Engineering
Main Research Area(s)	• Food processing & dehydration technology • Plant & food microstructure engineering • Phytochemical extraction and purification • Natural antioxidants processing • Modelling & simulation (food product quality)
Name	Dr Ong Sze Pheng
EMAIL	Sze-pehng.ong@nottingham.edu.my
URL	http://www.nottingham.edu.my/Engineering/Departments/Chemenv/People/sze-pheng.ong

Give a brief description of your research interests and/or expertise

Food security and nutrition is a complex sustainable development issue linked to health through malnutrition. Food security does not end at the farm gate but there is more to ensuring food security than simply growing more food. Our main research interest is to develop new food products (from raw farm materials ranging from fruits and vegetables to herbs) for health benefits and food diversification. We also keen in developing sustainable and green drying and food processing technologies in preserving foods as naturally as possible without compromising the delicacy and nutrition. In addition, our research areas also encompass the natural phytochemicals and antioxidants processing as well as sensory evaluation, microstructure assessment and predictive modeling development.

List up to 10 of your most recent or most important papers, giving the full citation

1. Ong, S.P., Law, C.L. and Hii, C.L. (2012), Optimization of heat-pump assisted intermittent drying. Drying Technology. 30(15):1676-1687.
2. Ong, S.P. and Law, C.L. (2011). Microstructure and optical properties of salak fruit under different drying and pretreatment conditions. Drying Technology. 29(16):1954-1962.
3. Hii, C.L., Ong, S.P. and Law, C.L. (2011). Drying Studies of Tropical Fruits Cultivated in Malaysia: A Review. Journal of Applied Sciences. 11(24): 3815-3820.

4. Ong, S.P., Law, C.L. and Hii, C.L. (2011). Effect of pre-treatment and drying method on colour degradation kinetics of dried salak fruit during storage. Food and Bioprocess Technology: An International Journal. 5(6): 2331-2341.

5. Ong, S.P. and Law, C.L. (2011). Drying kinetics and antioxidant phytochemicals retention of salak fruit under different drying and pretreatment conditions. Drying Technology. 29(4): 429-441.

6. Ong, S.P. and Law, C.L. (2009). Mathematical modelling of thin layer drying of salak. Journal of Applied Sciences. 9(17): 3048-3054.

How many publications, in total, have you published?

26

List any patents you have registered

0

4.1.40 Dr. Pan Yan

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Biomedical Science
Main Research Area(s)	Drug-drug/herb interaction, pharmacokinetics, pharmcogenetics
Name	Dr. Pan Yan
EMAIL	Pan.Yan@nottingham.edu.my
URL	http://www.nottingham.edu.my/Biomedsci/People/pan.yan

Give a brief description of your research interests and/or expertise

Cytochrome P450 (CYP) enzymes are a superfamily of mono-oxygenases responsible for metabolising a wide spectrum of xenobiotics as well as endogenous compounds. The hydrophilicity of the metabolite is usually increased after being oxidised by CYP, which facilitates the elimination of foreign compounds from human body. However, the activities of CYPs can be inhibited or induced by various types of chemicals. As a result, drugs or food have potential to decrease or increase the elimination of co-administrated drugs, leading to adverse drug reactions or treatment failures.

Currently I am interested to investigate the modulatory effects of herbs on the activities of several important human CYPs by *in vitro* evaluation. I am also involved in investigating the activities of CYP variants since CYPs exhibit polymorphisms. Individuals carrying polymorphic genes are not able to metabolise a certain group of drugs, and they are more prone to adverse drug reactions.

List up to 10 of your most recent or most important papers, giving the full citation

1. Pan Y, Abd-Rashid BA, Ismail Z, Ismail R, Mak JW, Pook PC, Er HM and Ong CE (2011). In vitro effects of active constituents and extracts of Orthosiphon stamineus on the activities of three major human cDNA-expressed cytochrome P450 enzymes. Chemo-Biological Interactions 190:1-8
2. Pan Y, Abd-Rashid BA, Ismail Z, Ismail R, Mak JW, Pook PC, Er HM and Ong CE (2011). In vitro determination of the effect of Andrographis paniculata extracts and andrographolide on human hepatic cytochrome P450 activities. Journal of Natural Medicines 65:440-447

3. Pan Y, Abd-Rashid BA, Ismail Z, Ismail R, Mak JW, Ong CE (2011). Heterologous Expression of Human Cytochromes P450 2D6 and CYP3A4 in Escherichia coli and Their Functional Characterization. Protein J. 30:581-91.
4. Pan Y, Mak JW, Ong CE (2012). Development and Validation of HPLC Methods for the Determination of CYP2D6 and CYP3A4 Activities. Current Pharmaceutical Analysis, Volume 8, Number 3, September, pp. 219-224(6)
5. Pan Y, Tiong KH, Abd-Rashid BA, Ismail Z, Ismail R, Mak JW, Ong CE (2012). Inhibitory effects of cytochrome P450 enzymes CYP2C8, CYP2C9, CYP2C19 and CYP3A4 by Labisia pumila extracts. J Ethnopharmacol. Sep 28;143(2):586-91.
6. Pan Y, Mak JW, Ong CE (2013). Heterologous expression of human cytochrome P450 (CYP) 2C19 in Escherichia coli and establishment of RP-HPLC method to serve as activity marker. Biomedical Chromatography. Jul;27(7):859-65. doi: 10.1002/bmc.2872.
7. Ong CE, Pan Y, Mak JW, Ismail R (2013). In vitro approaches to investigate cytochrome P450 activities: update on current status and their applicability. Expert Opinion on Drug Metabolism & Toxicology. 2013 May 17. [Epub ahead of print]
8. Pan Y, Tiong KH, Abd-Rashid BA, Ismail Z, Ismail R, Mak JW, Ong CE (2014). Effect of eurycomanone on cytochrome P450 isoforms CYP1A2, CYP2A6, CYP2C8, CYP2C9, CYP2C19, CYP2E1 and CYP3A4 in vitro. Journal of Natural Medicines. Apr;68(2):402-6. doi: 10.1007/s11418-013-0794-8. Epub 2013 Jul 24.
9. Ong CE, Pan Y (2014).Drug-herb interactions: mechanisms involved and clinical implications of five commonly and traditionally used herbs. TANG, in press.
10. Pan Y, Tiong KH, Abd-Rashid BA, Ismail Z, Ismail R, Mak JW, Ong CE (2014). In vitro effect of important herbal active constituents on human cytochrome P450 1A2 (CYP1A2) activity. Phytomedicine, in press.

How many publications, in total, have you published?

14

List any patents you have registered

0

4.1.41 Dr. Rasyad Parinduri

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Nottingham University Business School
Main Research Area(s)	Industrial economics, development economics, impact evaluation, policy analysis
Name	Rasyad Parinduri
EMAIL	rasyad.parinduri@nottingham.edu.my
URL	http://myeconpapers.blogspot.com/

Give a brief description of your research interests and/or expertise

I do research on industrial economics (the economics firms and competition) and development economics (the economics of how countries develop). I examine how policies and market changes in developing countries affect development, competition, labour outcomes, and trade.

List up to 10 of your most recent or most important papers, giving the full citation

1. Samarakoon, S. and Parinduri, R.A., 2014. Does Education Empower Women? Evidence from Indonesia World Development. Forthcoming.
2. Parinduri, R.A. and Riyanto, Y.E., 2014. Bank Ownership and Efficiency in the Aftermath of Financial Crises: Evidence from Indonesia Review of Development Economics. 18(1), 93-106.
3. Parinduri, R.A., 2014. Do Children Spend Too Much Time in Schools? Evidence from a Longer School Year in Indonesia Economics of Education Review. 41, 89-104.
4. Parinduri, R.A., 2014. Family Hardship and the Growth of Micro and Small Firms in Indonesia Bulletin of Indonesian Economic Studies. 50(1), 53-73.
5. Lee, Y.H. and Parinduri, R.A., 2014. Does the Three-point Rule Make Soccer more Exciting? Evidence from a Regression Discontinuity Design Journal of Sports Economics. Forthcoming.
6. Parinduri, R.A and Thangavelu, S.M., 2013. Trade Liberalization, FTAs and the Value of Firms: Stock Market Evidence from Singapore Journal of International Trade and Economic Development. 22(6), 924-941.
7. Parinduri, R.A. and Riyanto, Y.E., 2012. The Impact of the Strategic Sale of Restructured Banks: Evidence from Indonesia World Development. 40(3), 446–457.

8. Hur, J., Parinduri, R.A. and Riyanto, Y.E., 2011. Cross-Border M&A Inflows and Quality of Country Governance: Developing vs. Developed Countries Pacific Economic Review. 16(5), 638–655.
9. Parinduri, R.A. and Riyanto, Y.E., 2011. Do Banks Respond to Capital Requirements? Evidence from Indonesia Applied Financial Economics. 21(9), 651-663.

How many publications, in total, have you published?

14.

List any patents you have registered

0

4.1.42 Dr.Sandy Loh Hwei San

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	School of Biosciences
Main Research Area(s)	Plant Molecular Pharming and Drug Discovery
Name	Sandy Loh Hwei San
EMAIL	Sandy.Loh@nottingham.edu.my
URL	http://www.nottingham.edu.my/Biosciences/People/sandy.loh

Give a brief description of your research interests and/or expertise

My research interests and expertise:

(i) Plants offer practical, biochemical, economic and safety advantages as compared with conventional production systems signifying Plant Molecular Pharming an exceptional platform for producing safer and more affordable modern medicines to meet global demand. The key focus falls within the areas of vaccines and therapeutic proteins development in plant system for prevention and treatment of significant human and animal diseases.

(ii) Rise of multidrug resistances in many diseases has urged continual efforts to discover novel molecules and treatment regimens. Particular focus falls on Drug Discovery from natural resources to combat human and animal bacterial and viral diseases as well as cancers.

List up to 10 of your most recent or most important papers, giving the full citation

1. Lim, S.W., Loh, H.S., Ting, K.N., Bradshaw, T.D. and Zeenathul, N.A. (2014). Antiproliferation and induction of caspase-8-dependent mitochondria-mediated apoptosis by β-tocotrienol in human lung and brain cancer cell lines. Biomedicine & Pharmacotherapy (In Press). doi:10.1016/j.biopha.2014.10.006.
2. Lim, S.W., Loh, H.S., Ting, K.N., Bradshaw, T.D. and Zeenathul, N.A. (2014). Reduction of MTT to Purple Formazan by Vitamin E Isomers in the Absence of Cells. Tropical Life Sciences Research (In Press).
3. Santiago, C., Pang, E.L., Lim, K.H., Loh, H.S., Ting, K.N. (2014). Reversal of ampicillin resistance in MRSA via inhibition of penicillin-binding protein 2a by Acalypha wilkesiana. BioMed Research International, vol. 2014, Article ID 965348, 7 pages, 2014. doi:10.1155/2014/965348.

4. Yaacob, J.S., Loh, H.S. and Mat Taha, R. (2013). Protein profiling and histone deacetylation activities in somaclonal variants of oil palm (Elaeis guineensis Jacq.). The Scientific World Journal 2013, Article ID 613635, 8 pages. doi:10.1155/2013/613635.
5. Camalxaman, S.N., Zeenathul, N.A., Quah, Y.W., Loh, H.S., Zuridah, H., HANI, H., Sheikh-Omar, A.R. and Mohd-Azmi, M.L. (2013). Establishment of rat brain endothelial cells susceptible to rat cytomegalovirus ALL-03 infection. In Vitro Cellular & Developmental Biology – Animal 49: 238-244.
6. Ting, K.N., Othman, M., Telford, G., Clarke, G., Bradshaw, T.D., Khoo, T.J., Loh, H.S., Wiart, C., Pritchard, D. and Fry, J.R. (2011). Antioxidant, cytoprotective, growth inhibitory and immunomodulatory activities of extracts of Dysoxylum cauliflorum Hiern., a Malaysian Meliaceae. Journal of Medicinal Plants Research 5(24): 5867-5872.
7. Camalxaman, S.N., Zeenathul, N.A., Quah, Y.W., Loh, H.S., Zuridah, H., Sheikh-Omar, A.R. and Mohd-Azmi, M.L. (2011). Cross-reactivity of Malaysian rat cytomegalovirus strains with its human counterpart. Tropical Biomedicine 28(3): 661–667.
8. Lim, S.W., Ting, K.N., Bradshaw, T.D., Zeenathul N.A., Wiart, C., Khoo, T.J., Lim, K.H. and Loh, H.S.* (2011). Acalypha wilkesiana extracts induce apoptosis by causing single strand and double strand DNA breaks. Journal of Ethnopharmacology 138(2): 616–623.
9. Othman, M., Genapathya, S., Liew, P.S., Ch'ng, Q.T., Loh, H.S., Khoo, T.J., Wiart, C. and Ting, K.N. (2011). Search for antibacterial agents from Malaysian rainforest and tropical plants. Natural Product Research 1-8, iFirst doi:10.1080/14786419.2010.537274.
10. Othman, M., Loh, H.S., Wiart, C., Khoo, T.J., Lim, K.H. and Ting, K.N. (2011). Optimal methods for evaluating antimicrobial activities from plant extracts. Journal of Microbiological Methods 84: 161–166.

How many publications, in total, have you published?

~90 in total (25 journals)

List any patents you have registered

0

4.1.43 Dr. Shafi Mohammad Tareq

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Bioscience
Main Research Area(s)	Environmental pollution, Biogeochemistry and climate change
Name	Dr. Shafi Mohammad Tareq
EMAIL	Shafi.Tareq@nottingham.edu.my
URL	http://www.nottingham.edu.my/Biosciences/People/shafi.tareq

Give a brief description of your research interests and/or expertise

- Arsenic mobilization in sedimentary environments of the Ganges-Meghna-Brahmaputra river Basins and Nepalese Terai and health effects as well as mitigation measure .
- Characteristics and dynamic of Industrial pollutants and its impact on freshwater ecosystem.
- Treatment and recycling (as irrigation water) of industrial effluent.
- Interaction of dissolved organic matter with arsenic and other trace metals in groundwater and freshwater ecosystem.
- Applications of isotope and biomarker (lignin, hydrocarbons and carbohydrates) signatures in sedimentary organic matter for deciphering past vegetation-climate relationships.

List up to 10 of your most recent or most important papers, giving the full citation

1. Tareq, S. M. 2014. Arsenic and Fluorescence Humic Substance in the Groundwater of Bangladesh: A Public Health Risk. Handbook of Arsenic Toxicology. S.J.S. Flora (Ed), Elsevier Ltd. In press.
2. Tareq, S.M., Maruo, M., Ohta, K., 2013. Characteristics and role of groundwater dissolved organic matter on arsenic mobilization and poisoning in Bangladesh. Physics and Chemistry of the Earth. 58-60, 77- 84.
3. Anawar, H.M., Tareq, S.M., Ahmed, G., 2013. Is organic matter a source or redox driver or both for arsenic release in groundwater?. Physics and Chemistry of the Earth. 58-60, 49-56.

4. Tareq, S.M., Safiullah, S., Anawar, H.M., Rahman, M.M., Ishizuka, T. 2003. Arsenic pollution in groundwater: a self organizing complex geochemical process in the deltaic sedimentary environment, Bangladesh, Science of the Total Environment 313(1-3), 213-226
5. Anawar, H.M., Akai, J., Khan, M.G.M., Safiullah, S., Tareq, S.M. 2002. Arsenic poisoning in groundwater: Health risk and geochemical sources in Bangladesh. Environmental International 27(7), 597-604.
6. Tareq, S.M., Kitagawa, H., Ohta. K. 2011. Lignin biomarker and isotopic records of paleovegetation and climate changes from lake Erhai, southwest China during 18.5 ky BP. Quaternary International 229, 47-56.
7. Tareq, S.M., Ohta, K. 2011. Distribution of combined monosaccharides in sediments from the Lake Rawa Danau, West Java, Indonesia: sources and diagenetic fate of carbohydrates in a tropical wetland. Geochemical journal 45, 1-13.
8. Tareq, S.M., Handa, N., Tanoue, E. 2006. A lignin phenol proxy record of mid Holocene paleovegetation changes at Lake DaBuSu, northeast China. Journal of Geochemical Exploration 88(1-3), 445-449.
9. Tareq, S.M., Tanoue, E., Tsuji, H., Tanaka, N., Ohta, K. 2005. Hydrocarbon and elemental carbon signatures in a tropical wetland: Biogeochemical evidence of forest fire and vegetation changes. Chemosphere 59(11), 1655-1665.
10. Tareq, S.M., Tanaka, N., Ohta, K. 2004. Biomarker signature in tropical peat: Lignin phenol vegetation index (LPVI) and its implication for reconstructing paleoenvironment. Science of the Total Environment 324, 91-103.

How many publications, in total, have you published?

>50, Journal(40), Book Chapter (7) and Conference (18)

List any patents you have registered

0

4.1.44 Dr. Show Pau Loke

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Chemical and Environmental Engineering, Faculty of Engineering
Main Research Area(s)	• Bioprocess Engineering (Bioproducts and Food Processing) • Biochemical Engineering (Green and Sustainable Chemistry) • Fermentation Technology (Enzymes) • Bioseparation and Product Recovery (Biopolymer) • Applied Microbiology (Microalgae)
Name	Show Pau Loke
EMAIL	PauLoke.Show@nottingam.edu.my
URL	http://www.nottingham.edu.my/Engineering/People/pauloke.show

Give a brief description of your research interests and/or expertise

The current world energy crisis and global warming have yielded an ever desperate search for sustainable green energy sources. Microalgae present a potential biochemical/bioenergy source of both renewable and sustainable qualities. Recently, we are extracting biofuel, bioenergies as well as bioactive compound (DHA, color pigment, etc) from microalgae.

Polyhydroxyalkanoates (PHA) are biodegradable polymer produced by bacteria which are of interest as a sustainable alternative to petrochemical derived plastics, however, high production and recovery cost of PHA have significantly limited its commercial value. Extractive bioconversion via Aqueous Two-Phase System (ATPS) is the most viable solution since it integrates upstream PHA production and downstream extraction and isolation.

Aqueous two-phase flotation (ATPF) is a novel technique which integrates the principles of ATPS and mass transfer mode of solvent sublation for the separation and purification of biological materials. Our research is dealing with the bioproduct recovery and bioseparation engineering using ATPF applications and a comparative study between ATPF and other conventional methods in.

List up to 10 of your most recent or most important papers, giving the full citation

1. Current trends in polyhydroxyalkanoates (PHAs) biosynthesis: Insights from the recombinant Escherichia coli Yoong Kit Leong, Pau Loke Show, Chien Wei Ooi, Tau Chuan Ling, John Chi-Wei Lan.Journal of biotechnology 180, 52-65, 2014 (IF: 2.88)
2. Separation of single-walled carbon nanotubes using aqueous two-phase system Malcolm SY Tang, Pau Loke Show, Yu Kiat Lin, Kai Lin Woon, Chin Ping Tan, Tau Chuan Ling. Separation and Purification Technology 125, 136-141, 2014 (IF: 3.07)
3. The Removal of Metallic Single-Walled Carbon Nanotubes Using an Aqueous Two-Phase System.Malcolm SY Tang, TJ Whitcher, KH Yeoh, CL Chua, KL Woon, Pau Loke Show, YK Lin, TC Ling Journal of nanoscience and nanotechnology 14 (5), 3398-3402, 2014 (IF: 1.34)
4. Recovery of human interferon alpha-2b from recombinant Escherichia coli using alcohol/salt-based aqueous two-phase systems Yu Kiat Lin, Chien Wei Ooi, Joo Shun Tan, Pau Loke Show, Arbakariya Ariff, Tau Chuan Ling.Separation and Purification Technology 120, 362-366, 2013 (IF: 3.07)
5. Recovery of lipase derived from Burkholderia cenocepacia ST8 using sustainable aqueous two-phase flotation composed of recycling hydrophilic organic solvent and inorganic salt Pau Loke Show, Chien Wei Ooi, Mohd Shamsul Anuar, Arbakariya Ariff, Yus Aniza Yusof, Soo Kien Chen, Mohamad Suffian Mohamad Annuar, Tau Chuan Ling Separation and Purification Technology 110, 112-118, 2013 (IF: 3.07)
6. Interfacial partitioning behaviour of bovine serum albumin in polymer-salt aqueous two-phase system.Yin Hui Chow, Yee Jiun Yap, Mohd Shamsul Anuar, Bimo Ario Tejo, Arbakariya Ariff, Pau Loke Show, Eng-Poh Ng, Tau Chuan Ling. Journal of Chromatography B 934, 71-78, 2013 (IF: 2.70)
7. Extractive bioconversion of cyclodextrins by Bacillus cereus cyclodextrin glycosyltransferase in aqueous two-phase system. Hui Suan Ng, Chien Wei Ooi, Mohd Noriznan Mokhtar, Pau Loke Show, Arbakariya Ariff, Joo Shun Tan, Eng-Poh Ng, Tau Chuan Ling Bioresource technology 142, 723-726, 2013 (IF: 5.04)
8. Extractive fermentation for improved production and recovery of lipase derived from Burkholderia cepacia using a thermoseparating polymer in aqueous two-phase systems. Pau Loke Show, Chin Ping Tan, Mohd Shamsul Anuar, Arbakariya Ariff, Yus Aniza Yusof, Soo Kien Chen, Tau Chuan Ling. Bioresource technology 116, 226-233, 2012 (IF: 5.04)
9. Primary recovery of lipase derived from Burkholderia cenocepacia strain ST8 and recycling of phase components in an aqueous two-phase system.Pau Loke Show, Chin Ping Tan, Mohd Shamsul Anuar, Arbakariya Ariff, Yus Aniza Yusof, Soo Kien Chen, Tau Chuan Ling Biochemical Engineering Journal 60, 74-80, 2012 (IF: 2.37)
10. Direct recovery of lipase derived from Burkholderia cepacia in recycling aqueous two-phase flotation.Pau Loke Show, Chin Ping Tan, Mohd Shamsul Anuar, Arbakariya Ariff, Yus Aniza Yusof, Soo Kien Chen, Tau Chuan Ling. Separation and Purification Technology 80 (3), 577-584, 2011 (IF: 3.07)

How many publications, in total, have you published?

>15

List any patents you have registered

0

4.1.45 Professor Sivakumar Manickam

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Chemical and Environmental / Engineering
Main Research Area(s)	Nanomaterials, Nanopharmaceuticals, Water/wastewater treatment, Process Engineering and Development, Ultrasound, Sonochemistry, Hydrodynamic cavitation
Name	Professor Sivakumar Manickam
EMAIL	Sivakumar.Manickam@nottingham.edu.my
URL	http://www.nottingham.edu.my/Engineering/Departments/Chemenv/People/sivakumar.manickam

Give a brief description of your research interests and/or expertise

We focus on developing the lab recipe and translating the same in the pilot plant and production scale. We employ energy-intensive cavitation technology that displays significant promise and a feasible tool in the generation of Nanomaterials and in other technological applications. In this, the reactions are carried out at milder conditions and thus fruitful for the development of chemicals and pharmaceutical formulations. This cavitation technology is highly energy-efficient as it consumes only a fraction of the energy as compared to the demand from conventional systems. We have a full-fledged Ultrasound and Hydrodynamic Cavitation laboratory at UNMC. Owing to the potential of this cavitation technology MoU's have already initiated with industries to commericalise this technology for the generation of nanomaterials, biodiesel and wastewater treatment. Our research contribution has been recognised worldwide. We are also in the development of nanobiosensor for the early detetction of diseases.

List up to 10 of your most recent or most important papers, giving the full citation

1. Sadia Afreen, Kasturi Muthoosamy, Sivakumar Manickam and Uda Hashim, Functionalized Fullerene (C_{60}) as a potential Nanomediator in the fabrication of highly sensitive Biosensors, Biosensors and Bioelectronics, 63, 354-364, 2015.
2. Sivakumar Manickam , Venkata Narasimha Arigela and Parag R Gogate, Intensification of Synthesis of Biodiesel from Palm Oil using Multiple Frequency Ultrasonic Flow Cell, Fuel Processing Technology, 128, 388-393, 2014.

3. Sivakumar Manickam , Siah Ying Tang and Tan Khang Wei, Cavitation Technology – A Greener Processing Technique for the Generation of Pharmaceutical Nanoemulsions, Ultrasonics Sonochemistry, 21(6), 2069-2083, 2014.
4. Manickam Sivakumar, Norhaida Binti Zainal Abidin, Shridharan Parthasarathy, Ibrahim Alzorqi, Ng Ern Huay, Timm Joyce Tiong, Rachel Gomes and Asgar Ali, Role of H_2O_2 in the Fluctuating Patterns of COD (Chemical Oxygen Demand) of Palm Oil Mill Effluent (POME) Treatment Using Pilot Scale Triple Frequency Ultrasound Cavitation Reactor, Ultrasonics Sonochemistry, 21, 1519-1526, 2014.
5. Shridharan Parthasarathy, Tang Siah Ying and Sivakumar Manickam, Generation and optimization of palm oil-based oil-in-water (O/W) Submicron emulsions and encapsulation of curcumin using liquid whistle hydrodynamic cavitation reactor (LWHCR), Industrial and Engineering Chemistry Research, 52(34), 11829-11837, 2013.
6. Siah Ying Tang, Shridharan Parthasarathy and Manickam Sivakumar, Impact of Process Parameters in the Generation of Novel Aspirin Nanoemulsions – Comparative studies between Ultrasound Cavitation and Microfluidiser, Ultrasonics Sonochemistry, 20(1), 485-497, 2013.
7. Siah Ying Tang and Sivakumar Manickam, A Novel and Facile Liquid Whistle Hydrodynamic Cavitation Reactor to Produce Submicron Multiple Emulsions, American Institute of Chemical Engineering Journal (AIChEJ), 59(1), 155-167, 2013.
8. Siah Ying Tang, Sivakumar Manickam, Angela Min-Hwei Ng and Parthasarathy Shridharan, Anti-inflammatory and Analgesic activity of novel oral Aspirin-loaded Nanoemulsion and Nano multiple emulsion formulations generated using Ultrasound Cavitation, International Journal of Pharmaceutics 430, 299-306, 2012.
9. Chee Meng Ng, Pao Chi Chen and Sivakumar Manickam, Green High-Gravitational Synthesis of Silver Nanoparticles using a Rotating Packed Bed Reactor (RPBR), Industrial and Engineering Chemistry Research 51 (15), 5375-5381, 2012.
10. Siah Ying Tang, Manickam Sivakumar, Tan Khang Wei and Nashiru Billa, Formulation Development and Optimization of a Novel Cremophore EL-based Nanoemulsion using Ultrasound Cavitation, Ultrasonics Sonochemistry, 19(2), 330-45 (2012).

How many publications, in total, have you published?

>150

List any patents you have registered

0

4.1.46 Professor Stephen Doughty

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Pharmacy
Main Research Area(s)	Computer-Aided Drug Design and Molecular Modelling of protein structure and dynamics.
Name	Prof Stephen Doughty
EMAIL	Stephen.doughty@nottingham.edu.my
URL	http://www.nottingham.ac.uk/pharmacy/people/stephen.doughty

Give a brief description of your research interests and/or expertise

Research expertise gained over the last 20 years has been in the field of molecular modelling and computer-aided drug design. Particular interests are modelling membrane proteins, GPCRs, ion channels and anti-cancer drug design. Projects include drug candidate design and optimisation in areas such as stroke and anti-cancer drug design. Techniques employed include homology modelling, novel mixed QM/MM hybrid approaches, docking, QSAR, de novo design, library screening, etc. Novel techniques in development include flexible docking strategies.

List up to 10 of your most recent or most important papers, giving the full citation

1. SP Chin, M Buckle, D Chalmers, E Yuriev, SW Doughty, Towards activated homology models of the human M1 muscarinic acetylcholine receptor. J. Mol. Graph. Model. (2014), 49, 91-98.
2. HW Ng, CA Laughton, SW Doughty, Molecular Dynamics Simulations of the Adenosine A2a Receptor in POPC and POPE Lipid Bilayers: Effects of Membrane on Protein Behaviour. J. Chem. Inf. Model. (2014), 54, 573-581.
3. A Vernall, L Stoddart, S Briddon, HW Ng, CA Laughton, SW Doughty, S Hill, B Kellam, Conversion of a Non-Selective Adenosine Receptor Antagonist into A3-Selective High Affinity Fluorescent Probes Using Peptide-Based Linkers.Organic & Biomolecular Chemistry (2013), 11, 5673-5682.
4. HW Ng, CA Laughton, SW Doughty, Molecular Dynamics Simulations of the Adenosine A2a Receptor: Structural Stability, Sampling, and Convergence. J. Chem. Inf. Model. (2013), 53(5), 1168-1178.

5. V Munusamy, BK Yap, MJC Buckle, SW Doughty and LY Chung, Structure-Based Identification of Aporphines with Selective 5-HT(2A) Receptor-Binding Activity. Chemical Biology & Drug Design (2013), 81, 250-256.
6. BK Yap, MJC Buckle, SW Doughty, Homology modeling of the human 5-HT1A, 5-HT2A, D1, and D2 receptors: model refinement with molecular dynamics simulations and docking evaluation. J. Mol. Mod. (2012), 18(8), 3639-3655.
7. MJ Davies, A Brindley, X Chen, SW Doughty, M Marlow, CJ Roberts, A quantitative assessment of inhaled drug particle–pulmonary surfactant interaction by atomic force microscopy. Colloids and Surfaces B: Biointerfaces (2009), 73, 97-102.
8. DJ Warner, M Vadolia, CA Laughton, ID Kerr, SW Doughty, Modelling the dynamic behaviour of CFTR-NBD1. J. Mol. Graph. Mod. (2007) 26, 691-699.
9. M AbuKhader, J Heap, C De Matteis, B Kellam, SW Doughty, N Minton, M Paoli, Binding of the anti-cancer prodrug CB1954 to the activating enzyme NQO2 revealed by the crystal structure of their complex, J. Med. Chem. (2005) 48, 7714-7719.
10. RM Phillips, M Jaffar, SA Everett, SW Doughty, MA Naylor, AG Breen, GA Choudry, IJ Stratford, Bioreductive activation of a series of indoloquinones by human DT-diaphorase: Structure activity relationships, J. Med. Chem (1999) 42, 4071-4080.

How many publications, in total, have you published?

>40

List any patents you have registered

0

4.1.47 Dr. Suzanne McGowan

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Geography
Main Research Area(s)	Palaeolimnology, lake ecology, chlorophyll & carotenoid biomarkers, diatoms, algal ecology.
Name	Suzanne McGowan
EMAIL	Suzanne.mcgowan@nottingham.edu.my
URL	

Give a brief description of your research interests and/or expertise

Suzanne McGowan's research integrates aquatic ecology and palaeolimnology with specific expertise in analysis of chlorophyll and carotenoid pigments. Shallow lake ecology has been a continuing theme of her research which has examined the linkages between nutrients, hydrology and ecosystem structure in shallow systems in the UK, Denmark, North American Prairies and the Canadian subarctic using limnological surveys and palaeolimnological techniques. Underlying this is a more general interest in cultural impacts on lakes. Recent work is investigating eutrophication and acidification in lakes of the Windermere (UK) catchment to inform management strategies, the impacts of atmospheric nitrogen deposition and terrestrial carbon flux on the ecology of lakes in West Greenland, and evidence for recent eutrophication in Lake Baikal using silicon isotopes.

List up to 10 of your most recent or most important papers, giving the full citation

1. Moorhouse, H.L., McGowan, S., Jones, M.D., Brayshaw, S.A., Barker, P., Haworth, E.Y. and Leavitt, P.R. (2014 in press) Contrasting effects of nutrients and climate on algal communities in two lakes in the Windermere catchment since the late 19th century. Freshwater Biology. doi:10.1111/fwb.12457
2. Cross, I. D., McGowan, S, Needham, T. and Pointer, C. M. (2014in press) The effects of hydrological extremes on former gravel pit lake ecology: management implications. Fundamental and Applied Limnology DOI:10.1127/1863-9135/2014/0573
3. Chen,X., Qin,Y., Stevenson,M., McGowan,S.(2014) Variation in diatom communities along pH and water level gradients in three montane mires, central China. Ecological Indicators 45, 123-129.

4. Hogan, E.J., McGowan, S. and Anderson, N.J.(2014) Nutrient limitation of periphyton growth in freshwater lakes in South West Greenland. Polar Biology 37, 1331-1342.
5. Hu, Z., Anderson, N.J., Yang, X., McGowan, S. (2014) Catchment-mediated atmospheric nitrogen deposition drives ecological change in two alpine lakes in SE Tibet. Global Change Biology. 20,1614-1628.
6. Strock, K.E., Saros, J.E., Simon, K.S., McGowan, S., Kinnison, M.T. (2013) Cascading effects of generalist fish introduction in oligotrophic lakes. Hydrobiologia 711(1), 99-113.
7. McGowan, S. (2013) Pigment Studies. In Elias, S. et al (eds.) Encyclopedia of Quaternary Sciences. Elsevier. 2nd edition. p326-328.
8. Chen, X., Li, C., McGowan, S., Yang, X. (2013) Diatom response to heavy metal pollution and nutrient enrichment in an urban lake: Evidence from paleolimnology. International Journal of Limnology. 50, 121-130.
9. Brooks, S.J., Jones, V.J., Telford, R.J., Appleby, P.G., Watson, E., McGowan, S. and Benn, S. Population trends in the Slavonian grebe *Podiceps auritus* (L.) and Chironomidae (Diptera) at a Scottish loch. Journal of Paleolimnology 47, 631-644.
10. McGowan, S., Barker, P., Haworth, E.Y., Leavitt, P.R., Maberly, S.C., Pates, J. (2012) Humans and climate as drivers of algal community change in Windermere since 1850. Freshwater Biology 57, 260-277.

How many publications, in total, have you published?

>40

List any patents you have registered

0

4.1.48 Dr. Tapan Kumar Nath

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Biosciences
Main Research Area(s)	Community-based forest management, Agroforestry, Carbon sequestration, Climate change, Tourism, Livelihood analysis
Name	Tapan Kumar Nath
EMAIL	Tapan.Nath@nottingham.edu.my
URL	http://www.nottingham.edu.my/Biosciences/People/tapan.nath

Give a brief description of your research interests and/or expertise

Community-based forest management (CBFM) has been successful in conserving tropical forest biodiversity as well as in combating rapid climate change. At the same time the CBFM provides livelihood support to billions of forest-dependent people. Within CBFM agroforestry, a sustainable and multiple land use practice, is being promoted as a means of sustainable agricultural intensification thoroughout the world. Our research focuses on investigating effectiveness of CBFM to conserve tropical forest biodiversity and how to incorporate CBFM into climate change policy. The areas where we work in include:

- Community-based forest management
- Social capital and forest governance
- Forest structure, biomass and carbon sequestration
- Forest carbon financing
- Agroforestry and indigenous farming knowledge
- Protected area and ecotourism
- Sustainable livelihood analysis

In our research we use both social and ecological methodologies to find out the socio-ecological interactions of the forest system.

List up to 10 of your most recent or most important papers, giving the full citation

1. Nath, T. K., Nasim Aziz and Inoue M. Contribution of Homestead Forests to Rural Economy and Climate Change Mitigation: A Study from the Ecologically Critical Area of Cox's Bazar—Teknaf Peninsula, Bangladesh. Small-Scale Forestry (in press).

2. Islam. M. J. and Nath, T. K. 2014. Forest-based betel leaf and betel nut farming of the Khasia indigenous People in Bangladesh: approach to biodiversity conservation in Lawachara National Park (LNP). Journal of Forestry Research, 25(2): 419-427
3. Nath, T. K. and Inoue M. 2014. Forest Villagers in Northeastern Hill Forests of Bangladesh: Examining their livelihoods, livelihood strategies and forest conservation linkages. Small-Scale Forestry, 13: 201-217.
4. Nath, T. K., M. Inoue and De Zoysa, M. 2013. Small-Scale Rubber Planting for Enhancement of People's Livelihoods: A Comparative Study in Three South Asian Countries.Society & Natural Resources, 26:1066-1081.
5. Nath, T. K., Inoue, M., Pradhan, F. E. and Kabir, M. A. 2011. Indigenous Practices and Socio- economics of Areca catechu L. and Piper betel L. based Innovative Agroforestry in Northern Rural Bangladesh: Indigenous Practices and Socio-economics. Forests, Trees and Livelihoods, 20: 175-190.
6. Nath, T. K., Inoue, M. and Jules, P. 2010. Formation and Function of Social Capital for Forest Resource Management and the Improved Livelihoods of Indigenous People in Bangladesh. Journal of Rural and Community Development, 5(3): 104-122.
7. Nath, T. K. and Inoue, M. 2010. Impacts of participatory forestry on livelihoods of ethnic people: Experience from Bangladesh. Society and Natural Resources, 23:1093-1107.
8. Nath, T. K. and Inoue, M. 2009. Sustainability attributes of a small-scale betel Leaf agroforestry system in northeastern hill forests of Bangladesh. Small-Scale Forestry, 8: 289-304.
9. Nath, T. K. and Inoue, M. 2008. How does local governance affect projects' outcomes? Experience from a participatory forestry project of Bangladesh. International Journal of Agricultural Resources, Governance and Ecology, 7 (6): 491-506.
10. Nath, T. K., Inoue, M. and Chakma, S. 2005. Shifting cultivation (jhum) in the Chittagong Hill Tracts, Bangladesh: Examining its sustainability, rural livelihood and policy implications. International Journal of Agricultural Sustainability, 3(2): 130-142.

How many publications, in total, have you published?

>50

List any patents you have registered

0

4.1.49 Dr. Teo Lee Peng

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Applied Mathematics
Main Research Area(s)	Mathematical Physics, Applied Mathematics, Number Theory
Name	Teo Lee Peng
EMAIL	LeePeng.Teo@nottingham.edu.my
URL	

Give a brief description of your research interests and/or expertise

Casimir effect is a quantum effect due to the vacuum fluctuations of quantum fields in the presence of external conditions or boundaries. It can give rise to a force between any two objects. In the nano realm, this force is quite significant and may lead to undesirable damage to the functionality of nano devices. We use various mathematical machineries to compute the Casimir force between two objects and study the asymptotic behaviors beyond the proximity force approximation.

Another of my research interest is the quantum gravity of Riemann surfaces. We construct the Liouville action functional for Riemann surfaces which plays an important role in non-critical string theory. We also compute the quantum Liouville action and the corresponding energy-momentum tensor. This in turn will imply some nontrivial geometry of the moduli spaces of Riemann surfaces.

In number theory, I am interested in studying the analytic and algebraic properties of zeta functions, such as their analytic continuations, their special values, functional equations and the asymptotic behaviors. This in turn has wide applications in physics.

List up to 10 of your most recent or most important papers, giving the full citation

1. L. P. Teo, "Finite temperature Casimir interaction between spheres in (D+1)-dimensional spacetime: Exact computations and asymptotic expansions", Phys. Rev. D 90 (2014), 045012.
2. L. P. Teo, "Casimir interaction between spherical and planar plasma sheets", Phys. Rev. A 89 (2014), 052509.

3. L. P. Teo, "Casimir interaction between spheres in (D+1)-dimensional Minkowski spacetime", JHEP 05 (2014), 016.
4. L. P. Teo, "Material dependence of Casimir interaction between a sphere and a plate: First analytic correction beyond proximity force approximation", Phys. Rev. D 88 (2013), 045019.
5. L. P. Teo, "Casimir interaction between a sphere and a cylinder", Phys. Rev. D 87 (2013), 045021.
6. L. P. Teo, "Mode summation approach to Casimir effect between two objects", Int. J. Mod. Phys. A 27 (2012), 1230021.
7. L. P. Teo, M. Bordag and V. Nikolaev, "On the corrections beyond proximity force approximation (PFA)", Phys. Rev. D. 84 (2011), 125037.
8. L. P. Teo, "Casimir effect between two spheres at small separations", Phys. Rev. D 85 (2012), 045027.
9. L.P. Teo, "Casimir effect of electromagnetic field in D-dimensional spherically symmetric cavities" Phys. Rev. D 82 (2010), 085009.
10. L.A. Takhtajan and L.P. Teo, "Liouville action and Weil-Petersson geometry of deformation spaces, global Kleinian reciprocity and holography", Commun. Math. Phys. 239 (2003), 183-240.

How many publications, in total, have you published?

>70

List any patents you have registered

0

4.1.50 Dr.Then Sue-Mian

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Biomedical Science
Main Research Area(s)	1. Basic Neuroscience: Oxidative stress and tocotrienol signaling in neurons 2. Neurodegenerative diseases: safety and efficacy of neural stem cell transplantation as therapeutics for Alzheimer's disease 3. Pharmacogenomics: Development of a rapid protocol for detection of HLA-B*1502 allele in epileptic patients to prevent carbamazepine-induced Steven-Johnson syndrome (SJS) 4. Gravitational and Space Biology of Eukaryotic Cells and C elegans
Name	THEN SUE-MIAN
EMAIL	then.sue-mian@nottingham.edu.my
URL	

Give a brief description of your research interests and/or expertise

I am interested to elucidate the mechanism of action of gamma-tocotrienol (a vitamin E isomer) acting as inhibitor to the proliferation of neuroblastoma and subsequently initiating cell death. Besides vitamin E, she was involved in screening of cytotoxicity and neuroprotective potentials of Chlorella vulgaris (CV), Momordica charantia (MC) and Piper betle (PB). Besides looking at natural products as potential therapeutics in neuronal cancers, I am also interested in understanding the factors affecting neurodegenerative diseases, such as Alzheimers disease.

Another research area that I am involved is pharmacogenetics, I am currently developing potential clinical diagnostic tools to screen for HLA-B*1502 and HLA-B*5801 gene to prevent drug-induced hypersensitivity.

Previously I was involved in the National Angkasawan Project in 2007, preparing and analysing the experimental data from the cancer cells and a model organism, C. elegans that was send to the International Space Station (ISS). I'm still involved in the follow-up of the experiment, but this time using Random Positioning Machine (RPM) to simulated microgravity environment.

List up to 10 of your most recent or most important papers, giving the full citation

1. Lai Kuan Lee, Suzana Shahar, NorFadilah Rajab, Noor Aini Mohd Yusoff, Rahman A. Jamalf, Sue Mian Then. 2012. The role of long chain omega-3 polyunsaturated fatty acids in reducing lipid peroxidation among elderly patients with mild cognitive impairment: a case-control study. J. Nutri. Biochem. 24: 803-808 [Impact Factor: 4.552]
2. Sue-Mian Then, Coral Sanfeliu, Gapor M Top, Wan Zurinah Wan Ngah and Musalmah Mazlan. 2012. Gamma-tocotrienol does not substantially protect DS neurons from hydrogen peroxide-induced oxidative injury. Nutr & Metab (Lond). 9:1 [Impact Factor: 3.16]
3. Tze Sean Khoo, Noor Hamidah Hussib, Sue-Mian Then, Rahman Jamal. 2013. Autogenic feeder free system from differentiated mesenchymal progenitor cells, maintains pluripotency of the MEL-1 human embryonic stem cells. Differentiation 85: 110–118 [Impact Factor: 2.855]
4. Sue Mian Then, Musalmah Mazlan, Gapor Mat Top, Wan Zurinah Wan Ngah, 2009, Is vitamin E toxic to neurons cells? , Cell Mol Neurobiol, 29(4):485-496 [Impact Factor: 2.293]
5. Musalmah Mazlan, Then Sue Mian, Gapor Md Top, Wan Zurinah Wan Ngah, , 2006, Comparative effects of alpha-tocopherol and gamma-tocotrienol against hydrogen peroxide induced apoptosis on primary cultured astrocytes , J. Neurol Sci, 243: 5-12 [Impact Factor: 2.243]
6. Suzana Shahar, Lee Lai Kuan, Norfadilah Rajab, Lim Cheng Leong, Nur Amira Harun, Mohd Fairul Nizal Md Noh, Sue-Mian Then, Rahman Jamal. 2013. Association between vitamin A, vitamin E and apolipoprotein E status with mild cognitive impairment among elderly people in low-cost residential areas. Nutr Neurosci. 16:6-12 [Impact Factor: 1.647]
7. Pek Leng Ng, Nor Fadilah Rajab, Sue Mian Then, Yasmin Anum Mohd Yusof, Wan Zurinah Wan Ngah, Kar Yong Pin, Mee Lee Looi. 2014. Piper betle leaf extract enhances the cytotoxicity effect of 5-Fluorouracil in inhibiting the growth of HT 29 and HCT 116 colon cancer cells. J. ZheJiang Univ Sci-B (Biomed & Biotechnol) In press, [Impact Factor: 1.108]
8. Sue-Mian Then, Zam Zureena Mohd Rani, Azman Ali Raymond, Safrina Ratnaningrum and Rahman Jamal. 2011. Frequency of the HLA-B*1502 allele contributing to carbamazepine-induced hypersensitivity reactions in a cohort of Malaysian epilepsy patients. Asian Pac J Allergy Immunol. 29: 290-293 [Impact Factor: 0.79]
9. Sue Mian Then, Gapor Mat Top, Wan Zurinah Wan Ngah, Musalmah Mazlan, 2010 Comparison of the effects of alpha-tocopherol dan gamma-tocotrienol against oxidative stress in two different neuronal cultures *Sains Malaysiana 39 (1): 145-156 [Impact Factor: 0.268]*
10. Rosdinom Razali, Zanariah Mat Saher, Elinda Tunan, Wan Zurinah Wan Ngah, Sue-Mian Then, Suriati Mohamed Saini, Abdul Hamid Abdul Rahman, Shamsul Azhar Shah. 2013. Apolipoprotein E Genotypes and Behavioural and Psychological Symptoms of Dementia (BPSD) in Malaysian Patients with Dementia. Sains Malaysiana, 42: 409-416 [Impact Factor: 0.268]

How many publications, in total, have you published?

17

List any patents you have registered

1

4.1.51 Dr.Tiong Timm Joyce

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Chemical and Environmental Engineering
Main Research Area(s)	Ultrasonics, Sonochemistry, dental equipment optimization, Acoustic Simulation, Image processing for power ultrasound, advanced materials synthesis
Name	Tiong Timm Joyce
EMAIL	joyce.tiong@nottingham.edu.my
URL	http://www.nottingham.ac.uk/engineering/departments/chemenv/people/joyce.tiong

Give a brief description of your research interests and/or expertise

Power ultrasonics is the ultrasound at lower frequencies, ranging from 20 kHz up to 1-2 MHz. It is widely used in welding, cleaning, wastewater treatments, drug encapsulation and so on. Our work focuses on studying the chemistry that relates to ultrasound, termed sonochemistry. There are a few specific areas of on-going research in sonochemistry, namely

1. Ultrasonic cleaning from lab to pilot scale
2. Dental equipment optimization (for cleaning)
3. Microbubble encapsulation for potential drug delivery
4. Acoustic pressure simulation
5. Image processing techniques to enhance mapping of sonochemical activities
6. Sonochemical enhancement in synthesizing advanced materials

We are also interested in applying sonochemistry (both experimentally and *via* computation modelling) in other applications in order to accelerate and enhance chemical and physical reactions.

List up to 10 of your most recent or most important papers, giving the full citation

1. T.J. Tiong, G.J. Price, S. Kanagasingam, A computational simulation study on the acoustic pressure generated by a dental endosonic file: Effects of intensity, file shape and volume, Ultrasonics Sonochemistry 21 (2014) 1858-1865.
2. S. Manickam, N.b. Zainal Abidin, S. Parthasarathy, I. Alzorqi, E.H. Ng, T.J. Tiong, R.L. Gomes, A. Ali, Role of H2O2 in the fluctuating patterns of COD (chemical oxygen demand)

during the treatment of palm oil mill effluent (POME) using pilot scale triple frequency ultrasound cavitation reactor, Ultrasonics Sonochemistry 21 (2014) 1519-1526.
3. G.J. Price, T.J. Tiong, D.C. King, Sonochemical characterisation of ultrasonic dental descalers, Ultrasonics Sonochemistry 21 (2014) 2052-2060.
4. T. Joyce Tiong, G.J. Price, Ultrasound promoted reaction of Rhodamine B with sodium hypochlorite using sonochemical and dental ultrasonic instruments, Ultrasonics Sonochemistry 19 (2012) 358-364.
5. T.J. Tiong, A.D. Walmsley, G.J. Price, Sonochemical cleaning efficiencies in dental instruments, AIP Conference Proceedings, 2012, pp. 573-576.
6. T.J. Tiong, D.C. King, S.C. Lea, A. Damien Walmsley, G.J. Price, Correlation of vibrometry and cleaning effects in ultrasonic dental instruments, 20th International Congress on Acoustics 2010, ICA 2010 - Incorporating Proceedings of the 2010 Annual Conference of the Australian Acoustical Society, 2010, pp. 604-609.

How many publications, in total, have you published?

6

List any patents you have registered

0

4.1.52 Dr Ting Kang Nee

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Biomedical Sciences
Main Research Area(s)	Drug discovery; pharmacology of smooth muscle including respiratory and vascular diseases; drug safety; cancer education
Name	Dr Ting Kang Nee
EMAIL	Kang-nee.ting@nottingham.edu.my
URL	http://www.nottingham.edu.my/Biomedsci/People/kang-nee.ting

Give a brief description of your research interests and/or expertise

My current research activities encompass drug discovery and drug safety (pharmacovigilance). We develop biological assays for therapeutic applications to test the efficacy and potency of new alkaloids compounds derived from tropical plants in Malaysia. My interests include cytotoxic effects of these natural compounds on bacteria and cancer cells and their effects on the smooth muscle tissues of blood vessels and trachea. We have ongoing projects investigating the effects of plant metabolites on reversing the antibiotic resistant of methicillin resistant Staphyloccocus aureus (MRSA). At the other end of the spectrum, I am also interested in improving safe use of medicine through detection of adverse drug reactions. In particular, we have just completed a project studying the possible interaction between antimalarials and amino acids in patients and how this interaction may increase the risk of adverse events.

List up to 10 of your most recent or most important papers, giving the full citation

1. Carolina Santiago, Leen Pang, Kuan-Hon Lim, Hwei-San Loh, Kang Nee Ting "Research Article Reversal of Ampicillin Resistance in MRSA via Inhibition of Penicillin-Binding Protein 2a by Acalypha wilkesiana" BioMed Research International (Impact Factor: 2.88). 06/2014; 2014:7. DOI: 10.1155/2014/965348
2. Farida Islahudin, Sarah M Tindall, Ian R Mellor, Karen Swift, Hans E M Christensen, Kevin C F Fone, Richard J Pleass, Kang-Nee Ting, Simon V Avery (2013) Scientific Reports (Impact Factor: 2.93). 01/2014; 4:3618. DOI: 10.1038/srep03618
3. Farida Islahudin, Combiz Khozoie, Steven Bates, Kang-Nee Ting, Richard J Pleass, Simon V Avery (2013) "Cell-wall Perturbation Sensitizes Fungi to the Antimalarial Drug Chloroquine."

Antimicrobial Agents and Chemotherapy (Impact Factor: 4.57). 06/2013; DOI: 10.1128/AAC.00478-13
4. Farida Islahudin, Richard J Pleass, Simon V Avery, Kang-Nee Ting (2012) "Quinine interactions with tryptophan and tyrosine in malaria patients, and implications for quinine responses in the clinical setting" Journal of Antimicrobial Chemotherapy (Impact Factor: 5.34). 07/2012; 67(10):2501-5. DOI: 10.1093/jac/dks253
5. S W Lim, K N Ting, T D Bradshaw, N A Zeenathul, C Wiart, T J Khoo, K H Lim, H S Loh (2011) "Acalypha wilkesiana extracts induce apoptosis by causing single strand and double strand DNA breaks" Journal of ethnopharmacology (Impact Factor: 2.32). 11/2011; 138(2):616-23. DOI: 10.1016/j.jep.2011.10.005
6. Mukhrizah Othman, Hwei San Loh, Christophe Wiart, Teng Jin Khoo, Kuan Hon Lim, Kang Nee Ting (2011). "Optimal methods for evaluating antimicrobial activities from plant extracts" Journal of microbiological methods (Impact Factor: 2.43). 02/2011; 84(2):161-6. DOI: 10.1016/j.mimet.2010.11.008
7. K N Ting, N A Blaylock, D Sugden, P Delagrange, E Scalbert, V G Wilson (1999) "Molecular and pharmacological evidence for MT1 melatonin receptor subtype in the tail artery of juvenile Wistar rats." British Journal of Pharmacology (Impact Factor: 5.07). 07/1999; 127(4):987-95. DOI: 10.1038/sj.bjp.0702612
8. A Ali, H Y Cheng, K N Ting, V G Wilson (1998) "Rilmenidine reveals differences in the pharmacological characteristics of the pre-junctional alpha$_2$-adrenoceptors in the guinea-pig, rat and pig." British Journal of Pharmacology (Impact Factor: 5.07). 10/1998; 125(1):127-35. DOI: 10.1038/sj.bjp.0702016
9. KN Ting, WR Dunn, DJ Davies, D Sugden, E Scalbert, P Delagrange, B Guardiola-Lemaitre & VG Wilson (1997) "Studies on the vasoconstriction action of melatonin and putative melatonin receptor ligands in the tail artery of juvenile Wistar rats." British Journal of Pharmacology (Impact Factor: 5.07). 12/1997; 122(7):1299-306. DOI: 10.1038/sj.bjp.0701511
10. N Ting, A Thambyraja, D Sugden, E Scalbert, P Delagrange, V G Wilson (2000) "Pharmacological studies on the vasorelaxing action of melatonin and putative melatonin analogues in the porcine vascular smooth muscle." Archiv für Experimentelle Pathologie und Pharmakologie (Impact Factor: 2.15). 04/2000; 361(3):327-33. DOI: 10.1007/s002109900198

How many publications, in total, have you published?

24 full manuscripts

List any patents you have registered

0

4.1.53 Professor Tony Bush

Institution	University of Nottingham Malaysia Campus
School/Department/Faculty	Education
Main Research Area(s)	School leadership, instructional leadership, leadership preparation and development, leadership theory, international and comparative leadership
Name	Professor Tony Bush
EMAIL	Tony.bush@nottingham.edu.my
URL	N/A

Give a brief description of your research interests and/or expertise

School leadership research relates to the activities of school principals and other senior staff in managing and leading schools. I have specialist interests in leadership theory, international and comparative research, leadership preparation and development, and instructional leadership.

List up to 10 of your most recent or most important papers, giving the full citation

1. Bush, T. (2008), Leadership and Management Development in Education, London, Sage.
2. Bush, T. (2011), Theories of Educational Leadership and Management (fourth edition), London, Sage
3. Bush, T. and Middlewood, D. (2013), Leading and Managing People in Education: Third Edition, London, Sage.
4. Bush, T., Bell, L. and Middlewood, D. (2010), The Principles of Educational Leadership and Management: Second Edition, London, Sage.
5. Bush, T. (2008), 'From management to leadership: Semantic or meaningful change', Educational Management, Administration and Leadership, 36 (2): 271-288.
6. Bush, T. (2009), 'Leadership development and school improvement: Contemporary issues in leadership development', Educational Review, 61 (4): 375-389.
7. Bush, T. (2011), 'Succession planning and leadership development: Comparing English and South African approaches, Compare, 41 (6): 785-800
8. Bush, T. (2012), 'International perspectives on leadership development: Making a difference', Professional Development in Education, 38 (4): 663-678.

9. Bush, T. (2013), 'Preparing headteachers in England: Professional certification, not academic learning', Educational Management, Administration and Leadership, 41 (4): 453-465.
10. Bush, T. and Glover, D. (2012), 'Leadership development and learner outcomes: Evidence from South Africa, Journal of Educational Leadership, Policy and Practice, 27 (2): 3-15.

How many publications, in total, have you published?

>100

List any patents you have registered

0

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4.1.54 Dr. Tuong-Thuy Vu

Institution	University of Nottingham, Malaysia campus
School/Department/Faculty	Geography
Main Research Area(s)	Geospatial Intelligence, Open-Source Geospatial Development, Big Data Analytics, Geospatial Applications to Urban Environment, Agriculture and Disaster Management
Name	Dr. Tuong-Thuy Vu
EMAIL	Tuongthuy.Vu@nottingham.edu.my
URL	http://www.nottingham.ac.uk/geography/people/tuongthuy.vu

Give a brief description of your research interests and/or expertise

Geospatial Science is a science behind all technologies to capture, manage, analysis and visualization of location-based data and context around the location. My research works focus on the computational aspect of geospatial science and promoting the uses of Open-Source Geospatial Technologies in education, training and research. Currently, my research groups are working on:

- Machine-learning for multi-source remote sensing data analysis
- High-performance computing and cloud-based remote sensing processing services
- UAV system for agricultural researches
- Crowd-sourcing data quality assessment framework
- Multi-temporal remote sensing for urban growth monitoring and disaster recovery.

List up to 10 of your most recent or most important papers, giving the full citation

1. QIN, Y., YAO W., VU, T.T, LI S., NIU Z., and BAN, Y., 2014. Characterizing Radiometric Attributes of Point Cloud Using a Normalized Reflective Factor Derived From Small Footprint LiDAR Waveform. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, in press.
2. QIN, Y., VU, T.T and BAN, Y., 2012. Range Determination for Generating Point Clouds from Airborne Small Footprint LiDAR Waveforms. Optics Express. 20(23), 25935–25947.
3. QIN, Y., VU, T.T. and BAN, Y., 2012. Toward an Optimal Algorithm for LiDAR Waveform Decomposition. IEEE Geoscience and Remote Sensing Letters 9(3), 482-486.

4. WEN, L., YAMAZAKI, F. and VU, T.T., 2011. Automated vehicle extraction and speed determination from QuickBird satellite images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing 4(1), 75-82.
5. VU, T.T. and BAN, Y., 2010. Context-based damage mapping from high-resolution optical satellite images. International Journal of Remote Sensing 31(13), 3411 – 3425.
6. VU, T.T. and MATSUOKA, M., 2010. Towards a quick damage detection system based on grid-computing. In: KONECNY M., ZLATANOVA S. and BANDROVA T.L., eds., Geographic Information and Cartography for Risk and Crisis Management: Towards Better Solutions Springer, 155-170.
7. VU, T.T., MATSUOKA, M. and YAMAZAKI, F., 2009. Multi-scale solution for building extraction from LiDAR and image data. International Journal of Applied Earth Observation and Geoinformation 11(4), 281-289.

How many publications, in total, have you published?

>50

List any patents you have registered

0

4.1.55 Dr Yuh-Fen, Pung

Institution	University of Nottingham (Malaysia Campus)
School/Department/Faculty	Biomedical Sciences
Main Research Area(s)	Mitochondrial bioenergetics and oxidative stress; Obesity and diabetes; Hypertension; Vascular biology
Name	Dr Yuh-Fen, Pung
EMAIL	YuhFen.Pung@nottingham.edu.my
URL	http://www.nottingham.edu.my/Biomedsci/People/yuhfen.pung

Give a brief description of your research interests and/or expertise

Our myocardium relies on mitochondrial aerobic metabolism. A byproduct of mitochondrial bioenergetics activity is the generation of reactive oxygen species (ROS). ROS is normally neutralized by endogenous antioxidants. However, if there is an imbalance between the mitochondrial prooxidant generation and antioxidant defense, mitochondrial oxidative stress may ensue. Chronic increases in myocardial oxidative stress can lead to bioenergetics deficiency. This deficiency will contribute to functional failure in the myocardium and vasculature if leave untreated.

The main focus of the laboratory is to understand the role(s) of mitochondrial bioenergetics and oxidative stress in cardiovascular pathophysiology. Few potential research projects have been identified:-

1) ISGylation in atherosclerosis development
2) Clinical biomarkers discovery (hypertension / heart disease)
3) Drug discovery (hypertension / obesity and diabetes)

All the research projects will involve the use of either clinical samples or in vivo animal models coupled with in vitro cell culture work to identify the mechanism involved.

List up to 10 of your most recent or most important papers, giving the full citation

1. Pung YF, Wong PTH, Kumar PP, Hodgson WC and Kini RM. (2005) Ohanin, a novel protein from king cobra venom induces hypolocomotion and hyperalgesia in mice. J Biol Chem. 280, 13137-13147 (Impact factor: 4.600; Citations: 39)

2. Pung YF, Kumar SV, Rajagopalan N, Fry BG, Kumar PP and Kini RM. (2005) Ohanin, a novel protein from king cobra venom: Its cDNA and genomic organization. Gene. 371, 246-256 (Impact factor: 2.082; Citations: 21)
3. Wong JJ, Pung YF, Sze NS and Chin KC. (2006) HERC5 is an IFN-induced HECT-type E3 protein ligase that mediates type I IFN-induced ISGylation of protein targets. Proc Natl Acad Sci USA. 103, 10735-10740 (Impact factor: 9.809; Citations: 114)
4. Rajagopalan N, Pung YF, Zhu Y, Wong PTH, Kumar PP and Kini RM. (2007) Beta-Cardiotoxin: A new three-finger toxin from Ophiophagus hannah venom with beta-blocker activity. FASEB J. 21(13), 3685-3695 (Impact factor: 5.480; Citations: 39)
5. Chilian WM and Pung YF. (2008) Vascular endothelial growth factor and the collateral circulation: the story continues. Circ Res. 103(9), 905-906 (Impact factor: 11.089; Citations: 3)
6. Yun J, Rocic P, Pung YF, Belmadani S, Carrao AC, Ohanyan V and Chilian WM. (2009) Redox-dependent mechanisms in coronary collateral growth: the "redox window" hypothesis. Antioxid Redox Signal. 11(8), 1961-1974 (Impact factor: 7.667; Citations: 30)
7. Pung YF, Rocic P, Murphy MP, Smith RAJ, Hafemeister JL, Ohanyan V, Guarini G, Yin L and Chilian WM. (2012) Resolution of mitochondrial oxidative stress rescues coronary collateral growth in Zucker Obese Fatty rats. Arterioscler Thromb Vasc Biol. 32(2):325-234 (Impact factor: 5.533; Citations: 19)
8. Yin L, Ohanyan V, Pung YF, Delucia A, Bailey E, Enrick MK, Stevanov KM, Kolz C, Guarini G and Chilian WM. (2012) Induction of vascular progenitor cells from endothelial cells stimulates coronary collateral growth. Circ Res.110(2):241-252 (Impact factor: 11.089; Citations: 16)
9. Pung YF, Sam WJ, Stevanov K, Enrick M, Chen CL, Kolz C, Thakker P, Hardwick JP, Chen YR, Dyck JR, Yin L and Chilian WM. (2013) Mitochondrial oxidative stress corrupts coronary collateral growth by activating adenosine monophosphate activated kinase-α signaling. Arterioscler Thromb Vasc Biol. 33(8):1911-1919 (Impact factor: 5.533; Citations: 5)
10. Pung YF, Sam WJ, Hardwick JP, Yin L, Ohanyan V, Logan S, DiVincenzo L and Chilian WM. (2013) Role(s) of mitochondria in collateral development and angiogenesis. Am J Physiol Heart Circ Physiol. 305(9):H1275-1280 (Impact factor: 4.012; Citations: 1)

How many publications, in total, have you published?

16 (15 ISI cited)

List any patents you have registered

1. Novel Snake Toxin BRC/P/02363/05/US

2. Therapeutic Uses of Beta-antagonist BRC/P/04417/01/PCT

4.2 Monash University Malaysia

Dr Adeline Ting Su Yien	Dr Meng Nan, Chong
Dr Ai Kah, Soh	Professor Nathorn Chaiyakunapruk
Dr. Anton V. Dolzhenko	Dr.Ooi Ean Hin
Dr. Babak Salamatinia	Professor Pervaiz K Ahmed
Dr.Catherine Yule	Dr.Poh Phaik Eong
Dr Chew Esyin	Dr.Pooria Pasbakhsh
Professor Chow Sek Chuen	Dr. R. Nagasundara Ramanan
Dr. David James Young	Professor S. G. Ponnambalam
Dr.David Wu	Dr.Sadequr Rahman
Professor Eduard Bomhoff	Dr. Santha Vaithilingam
Professor Ferdinand A.K. Gul	Dr.Satoshi Ogawa
Professor Gamini Herath	Dr. Sharifah Syed Hassan
Dr. Grace Lee Hooi Yean	Dr.Shogo Moriya
Professor Iain L Densten	Dr Siow Lee Fong
Professor Ishwar Parhar	Professor . Sunil K. Lal
Dr Jane Tong	Dr. Tam Cai Lian
Professor Jeyapalan Kasipillai	Professor Tey Beng Ti
Professor Joshua Li	Dr.Tomoko Soga
Professor Kenneth Lee	Dr.Uma Devi Palanisamy
Dr.Keshab Shrestha	Dr Varghese Swamy
Dr. Kuang Ye Chow	Dr. Wang, Xin
Dr. Mahendhiran Nair	
Dr.Marco Buente	
Dr. Maude E. Phipps	
Dr. Md. Ezharul Hoque Chowdhury	
Dr. Melanie Ooi	

4.2.1 Dr Adeline Ting Su Yien

Institution	Monash University Malaysia
School/Department/Faculty	School of Science
Main Research Area(s)	Applied microbiology
Name	Dr Adeline Ting Su Yien (Senior Lecturer)
EMAIL	Adeline.ting@monash.edu
URL	http://www.sci.monash.edu.my/staff/Dr-Ting-Su-Yien- Adeline.html

Give a brief description of your research interests and/or expertise

I explore and harness various bacteria and fungi (with special interest on endophytes) for use as biocontrol or bioremediative agents. Applications include control of plant diseases, toxic metal and dye removal, hydrocarbon degradation and compost management. I am also interested in sourcing compounds and derivatives (enzymes, metabolites) from these microbes for various uses.

List up to 10 of your most recent or most important papers, giving the full citation

1. Tan W.S. and Ting A.S.Y.* 2014. Kinetic and equilibrium modelling on Copper (II) removal by live and dead cells of Trichoderma asperellum and the impact of pre-treatments on biosorption. Separation Science and Technology, 49(13):2025-2030. (IF 1.2)
2. Wong Y.M., Juan J.C.*, Ting A.S.Y., Wu T.Y. 2014. High efficiency bio-hydrogen production from glucose revealed in an inoculum of heat-pretreated landfill leachate sludge. Energy, 72: 628-635. (IF:4.159)
3. Tan W.S. and Ting A.S.Y.* 2014. Alginate-immobilized bentonite clay: adsorption efficacy and reusability for Cu(II) removal from aqueous solution. Bioresource Technology, 160:115-118. (IF:5.039)
4. Ting A.S.Y.*, Abdul Rahman, N.H., Mahamad Isa, M.I.H. and Tan, W.S. 2013. Investigating metal removal potential by Effective Microorganisms (EM) in alginate-immobilized and free-cell forms. Bioresource Technology, 147:636-639. (IF:5.039)
5. Zacky, F.A. and Ting, A.S.Y.* 2013. Investigating the bioactivity of cells and cell-free extracts of Streptomyces griseus towards Fusarium oxysporum f.sp. cubense race 4.

Biological Control, 66:204-208. (IF 1.873)
6. Tan, W.S. and Ting, A.S.Y.* 2012. Efficacy and reusability of alginate-immobilized live and heat-inactivated Trichoderma asperellum cells for Cu (II) removal from aqueous solution. Bioresource Technology, 123:290-295. (IF:5.039)
7. Ting, A.S.Y.*, Mah S.W. and Tee, C.S. 2012. Evaluating the feasibility of induced host resistance by endophytic isolate Penicillium citrinum BTF08 as a control mechanism for Fusarium wilt in banana plantlets. Biological Control 61:155-159. (IF 1.873)
8. Ting, A.S.Y.*, Mah S.W. and Tee, C.S. 2011. Detection of potential volatile inhibitory compounds produced by endobacteria with biocontrol properties towards Fusarium oxysporum f.sp. cubense race 4. World Journal of Microbiology and Biotechnology, 27(2): 229-235. DOI:10.1007/s11274-010-0447-y. (IF: 1.353)
9. Ting, A.S.Y.* and Choong, C.C. 2009. Bioaccumulation and biosorption efficacy of Trichoderma isolate SP2F1 in removing copper (Cu(II)) from aqueous solutions. World Journal of Microbiology and Biotechnology, 25:1431-1437. (IF: 1.353)
10. Ting, A.S.Y.*, Sariah Meon, Jugah Kadir, Son Radu and Gurmit Singh. 2008. Endophytic microorganisms as potential growth-promoters of banana. Biocontrol, 53 (3): 541-553. (IF: 2.253)

How many publications, in total, have you published?

A total of 94 publications with 37 articles for journals and 57 conference outputs (proceedings, abstracts).

List any patents you have registered

No registered patents.

4.2.2 Dr Ai Kah, Soh

Institution	Monash University Malaysia
School/Department/Faculty	Mechanical Engineering
Main Research Area(s)	Constitutive theory and toughening mechanisms of advanced materials; Micro/nano mechanics of deformation and fracture; Electromagnetic solid mechanics; Multi-scale modelling
Name	Ai Kah ,Soh
EMAIL	soh.ai.kah@monash.edu
URL	N.A.

Give a brief description of your research interests and/or expertise

I have worked on "phase field simulations of advanced materials including ferroelectric/ferromagnetic and multiferroic materials" for more than 15 years. Since 1999, I have obtained 11 competitive research funds as Principal Investigator (PI) to carry out research in the said area, and the focus was on micro-mechanics of ferroelectric/ferromagnetic materials in the first 3 years, and later elevated to nano-mechanics of functional materials. In recent years, one of my major research interests is in searching of new materials for energy storage.

List up to 10 of your most recent or most important papers, giving the full citation

1. Li, J.J. and Soh, A.K., Synergy of grain boundary sliding and shear-coupled migration process in nanocrystalline materials, ACTA MATERIALIA, Vol. 61, Issue 14, pp. 5449-5457, 2013.
2. Li, Jianjun and Soh, A. K., Modeling of the plastic deformation of nanostructured materials with grain size gradient, International Journal of Plasticity, 39, 88-102, 2012.
3. Shi, YP, Soh, AK, Modeling of enhanced electrocaloric effect above the Curie temperature in relaxor ferroelectrics, Acta Materialia, 59(14), 5574-5583, 2011.
4. Shi, YP, Soh, AK, Effects of volume evolution of static and dynamic polar nanoregions on the dielectric behavior of relaxors, Applied Physics Letters, 99(9), Art. No. 092908, 2011.
5. Wang, J, Soh, AK, Xiao, P, Ke, FJ, Molecular-dynamics investigation on polarization retention of barium titanate nanofilm arising from ordered oxygen vacancy, EuroPhysics Letters, 92(1), Art. No. 17006, 2010.
6. Liu, SY, Soh, AK, Hong, L, Lu, L, Structure characterization of amorphous CoxGd1-x nanowires and magnetic properties of their arrays, JOURNAL OF PHYSICAL CHEMISTRY C, 113(39) Pages: 16934- 16938, 2009.

7. Hong, L, Soh, AK, Du, QG, Li, JY, Interaction of O vacancies and domain structures in single crystal BaTi O3: Two-dimensional ferroelectric model, PHYSICAL REVIEW B, 77(9), Article Number: 094104, 2008.
8. Song, YC, Soh, AK, Lu, L, Ferroelectric and piezoelectric behaviour of rhombohedral ferroelectric single crystal subjected to anisotropic poling, JOURNAL OF PHYSICS D-APPLIED PHYSICS, 41(8), Article Number: 082002, 2008.
9. Xie, Y, Kong, Y, Soh, AK, Gao, H, Electric field-induced translocation of single-stranded DNA through a polarized carbon nanotube membrane, JOURNAL OF CHEMICAL PHYSICS, 127(22), Article Number: 225101, 2007.
10. Song F., Soh A.K. and Bai Y.L., Structure and mechanical properties of the organic matrix layers of nacre, Biomaterials, 24(20), 3623-3631, 2003.

How many publications, in total, have you published?

About 250 refereed journal papers

List any patents you have registered

N.A.

4.2.3 Dr. Anton V. Dolzhenko

Institution	Monash University Malaysia
School/Department/Faculty	School of Pharmacy
Main Research Area(s)	Organic Synthesis, Biomolecular and Medicinal Chemistry, Green Chemistry, NMR Spectroscopy
Name	Dr. Anton V. Dolzhenko
EMAIL	anton.dolzhenko@monash.edu
URL	umonash-my.academia.edu/AntonDolzhenko

Give a brief description of your research interests and/or expertise

My current research interests include synthetic and structural aspects of chemistry of nitrogen heterocycles. I have been actively working on the development of new synthetic methods for the preparation of potentially bioactive compounds with primary focus on anticancer and CNS- acting agents. My work in green chemistry includes development of new efficient and safe synthetic methods by employing alternative eco-friendly solvents, elaboration of microwave- promoted reactions, and exploring one-pot multicomponent approaches.
Additionally, I work on the structural analysis and estimation of thermodynamic parameters for dynamic equilibria using NMR spectroscopy.

List up to 10 of your most recent or most important papers, giving the full citation

1. Lim, F. P. L.; Dolzhenko, A. V. 1,3,5-Triazine-based analogues of purine: from isosteres to privileged scaffolds in medicinal chemistry. Eur. J. Med. Chem. 2014, 85, 371-390, DOI: 10.1016/j.ejmech.2014.07.112.
2. Lim, F. P. L.; Luna, G.; Dolzhenko, A. V. A new, one-pot, multicomponent synthesis of 5-aza-9-deaza-adenines under microwave irradiation. Tetrahedron Lett. 2014, 55(37), 5159-5163, DOI: 10.1016/j.tetlet.2014.07.105.
3. Dolzhenko, A. V.; Dolzhenko, A. V. Green solvents for eco-friendly synthesis of bioactive heterocyclic compounds. In: Green Synthetic Approaches for Biologicall Relevant Heterocycles, Ed. G. Brahmachari, Elsevier, 2014, pp. 101-139 (ISBN: 978-0- 12-800070-0).
4. Bera, H.; Ojha, P. K.; Tan, B. J.; Sun, L.; Dolzhenko, A. V.; Chui, W. K.; Chiu, G. N. C. Discovery of mixed type thymidine phosphorylase inhibitors endowed with antiangiogenic properties: Synthesis, pharmacological evaluation and molecular docking study of 2-thioxo-

pyrazolo[1,5-a][1,3,5]triazin-4-ones. Part II. Eur. J. Med. Chem., 2014, 78, 294-303, DOI: 10.1016/j.ejmech.2014.03.063.
5. Sun, L.; Li, J.; Bera, H.; Dolzhenko, A. V.; Chiu, G. N. C.; Chui, W. K. Fragment-based approach to the design of 5-chlorouracil-linked-pyrazolo[1,5-a][1,3,5]triazines as thymidine phosphorylase inhibitors. Eur. J. Med. Chem., 2013, 70, 400-410, DOI: 10.1016/j.ejmech.2013.10.022.
6. Kalinina, S. A.; Kalinin, D. V.; Dolzhenko, A. V. A one-pot, three-component, microwave-promoted synthesis of 2-amino-substituted 7-amino-1,2,4-triazolo[1,5- a][1,3,5]triazines. Tetrahedron Lett., 2013, 54(40), 5537-5540, DOI: 10.1016/j.tetlet.2013.07.158.
7. Dolzhenko, A. V.; Kalinina, S. A.; Kalinin, D. V. A novel multicomponent microwave-assisted synthesis of 5-aza-adenines. RSC Adv., 2013, 3(10), 15850-15855, DOI: 10.1039/c3ra41932k.
8. Bera, H.; Tan, B. J.; Sun, L.; Dolzhenko, A. V.; Chui, W. K.; Chiu, G. N. C. A structure–activity relationship study of 1,2,4-triazolo[1,5-a][1,3,5]triazin-5,7-dione and its 5-thioxo analogues on anti-thymidine phosphorylase and associated anti-angiogenic activities. Eur. J. Med. Chem., 2013, 67, 325-334, DOI: 10.1016/j.ejmech.2013.06.051.
9. Kalinin, D. V.; Pantsurkin, V. I.; Syropyatov, B. Ya.; Kalinina, S. A.; Rudakova, I. P.; Vakhrin, M. I.; Dolzhenko, A. V. Synthesis, local anaesthetic and antiarrhythmic activities of N-alkyl derivatives of proline anilides. Eur. J. Med. Chem., 2013, 63, 144- 150, DOI: 10.1016/j.ejmech.2013.02.003.
10. Kalinin, D. V.; Kalinina, S. A.; Dolzhenko, A. V. A new synthesis of amino substituted azolo[1,3,5]triazines via reaction of N^1,N^1-dimethyl-N^2-azolylformamidines with cyanamide. Heterocycles, 2013, 87(1), 147-154, DOI: 10.3987/COM-12-12601.

How many publications, in total, have you published?

>80 papers in ISI/Scopus cited journals, 3 chapters books

List any patents you have registered

2008, RU 2331418; Chem. Abst. 149:259505.
2007, RU 2330854; Chem. Abst. 149:246567.
2007, RU 2303443; Chem. Abst. 147:181549.
2007, RU 2294199; Chem. Abst. 146:258712.
2005, RU 2247721; Chem. Abst. 142:298002.
2004, RU 2228753; Chem. Abst. 141:167804.
2004, RU 2227797; Chem. Abst. 141:174077.
2002, RU 2183625; Chem. Abst. 138:304164.

4.2.4 Dr. Babak Salamatinia

Institution	Monash University
School/Department/Faculty	Engineering/Chemical Engineering
Main Research Area(s)	Environment, water treatment (Adsorption), ultrasonic assisted processes, Advanced material in particulat NCC
Name	Dr. Babak Salamatinia
EMAIL	babak.salamatinia@monash.edu
URL	Monash: http://www.eng.monash.edu.my/adminpanel/users/info.php?id=164 GoogleScholar: http://scholar.google.com.my/citations?user=NzIDsBEAAAAJ&hl=en ResearchGate: https://www.researchgate.net/profile/Babak_Salamatinia

Give a brief description of your research interests and/or expertise

My ambition has always been towards saving environment. This could be achieved by treatment and reuse of sources which water is one of the main areas which I am interested in. Adsorption and developing new material as adsorbents has been a main focus of mine. The experience gained through ultrasonic assisted production of biodiesel as a renewable source of energy, directed me towards use of ultrasonic in different applications. Currently I am focusing on nano crystalline cellulose as a renewable source of material for different applications to be used as catalyst and/or water treatment. Application of ultrasonic in this material is of great interest of mine.

List up to 10 of your most recent or most important papers, giving the full citation

1. B. Salamatinia, A.H. Kamaruddin, A.Z. Abdullah, Removal of Zn and Cu from wastewater by sorption on Oil Palm tree-derived biomasses, Journal of Applied Sciences, 7 (2007) 2020-2027.
2. B. Salamatinia, A.H. Kamaruddin, A.Z. Abdullah, Modeling of the continuous copper and zinc removal by sorption onto sodium hydroxide-modified oil palm frond in a fixed-bed column, chemical engineering journal, 145 (2008) 259-266.

3. A.Z. Abdullah, B. Salamatinia, H. Mootabadi, S. Bhatia, Current status and policies on biodiesel industry in Malaysia as the world's leading producer of palm oil, Energy Policy, 37 (2009) 5440-5448.
4. P. Amouzgar, H.P.S. Abdul Khalil, B. Salamatinia, A. Zuhairi Abdullah, A.M. Issam, Optimization of bioresource material from oil palm trunk core drying using microwave radiation; a response surface methodology application, Bioresource Technology, 101 (2010) 8396-8401.
5. H. Mootabadi, B. Salamatinia, S. Bhatia, A.Z. Abdullah, Ultrasonic-assisted biodiesel production process from palm oil using alkaline earth metal oxides as the heterogeneous catalysts, Fuel, 89 (2010) 1818-1825.
6. B. Salamatinia, H. Mootabadi, S. Bhatia, A.Z. Abdullah, Optimization of ultrasonic-assisted heterogeneous biodiesel production from palm oil: A response surface methodology approach, Fuel Processing Technology, 91 (2010) 441-448.
7. B. Salamatinia, A.Z. Abdullah, S. Bhatia, Quality evaluation of biodiesel produced through ultrasound-assisted heterogeneous catalytic system, Fuel Processing Technology, 97 (2012) 1-8.
8. B. Salamatinia, H. Mootabadi, I. Hashemizadeh, A.Z. Abdullah, Intensification of biodiesel production from vegetable oils using ultrasonic-assisted process: Optimization and kinetic, Chemical Engineering and Processing: Process Intensification, 73 (2013) 135-143.
9. M. Vakili, M. Rafatullah, M.H. Ibrahim, A.Z. Abdullah, B. Salamatinia, Z. Gholami, Oil palm biomass as an adsorbent for heavy metals, in: Reviews of Environmental Contamination and Toxicology, 2014, pp. 61-88.
10. M. Vakili, M. Rafatullah, B. Salamatinia, A.Z. Abdullah, M.H. Ibrahim, K.B. Tan, Z. Gholami,P. Amouzgar, Application of chitosan and its derivatives as adsorbents for dye removal from water and wastewater: A review, Carbohydrate Polymers, 113 (2014) 115-130.

How many publications, in total, have you published?

26 Peer Reviewed Journal, 2 Accepted pending publication, more than 20 Conference proceedings

List any patents you have registered

4.2.5 Dr.Catherine Yule

Institution	Monash University Malaysia
School/Department/Faculty	School of Science
Main Research Area(s)	Aquatic Ecology
Name	ASSOC.PROF. CATHERINE YULE
EMAIL	Catherine.yule@monash.edu
URL	http://www.sci.monash.edu.my/staff/Associate-Professor-Catherine-Yule.html

Give a brief description of your research interests and/or expertise

Interests include ecology of tropical rivers, lakes, peat swamps and mangrove forests. Present research focuses on the ecology of tropical peat swamp forests, an extreme and endangered environment (low pH, low nutrients, low oxygen). Leaf litter decomposition and peat formation, particularly with respect to microbial ecology and nutrient cycling is being studied. New species of algae, fungi and invertebrates have been discovered, including forms never before observed.

Another topic of interest is a comparison of ecosystem functioning of tropical headwater streams in different forest types and at different altitudes, focussing on leaf litter breakdown by invertebrate shredders of Malaysian streams along an altitudinal gradient and microbes. These studies are contributing to a worldwide comparison of tropical- temperate stream ecosystem function.

List up to 10 of your most recent or most important papers, giving the full citation

1. Jinggut, T, Yule CM and Boyero, L. (2012) Stream ecosystem integrity is impaired by logging and shifting agriculture in a global megadiversity centre (Sarawak, Borneo). Science of Total Environment. 437: 83–90 (impact factor 3.906)
2. Jordán, F, Gjata, N, Shu, M, and Yule, CM (2012) Simulating food web dynamics along a gradient: quantifying human influence. PLoS One 7(7): e40280. doi:10.1371/journal.pone. 0040280 (impact factor 4.092)
3. Boyero, L., Pearson, R.G., Dudgeon, D., Ferreira, V.,. Graça M.A.S., Gessner, M.O., Boulton A.J., Chauvet, E., Yule, C.M., Albariño, R.J., Ramírez, A., Helson, J.E., Callisto, M., Arunachalam, M., Chará, J., Figueroa, R., Mathooko J.M., Gonçalves J.F., Moretti, M., Chará, A.M., Davie, J. N.,

Encalada, A., Lamothe, S., Buria, L.M., Castela, J., Cornejo, A., Li, A.O.Y., M'Erimba, C., Villanueva, V.D., 11, Zúñiga, M.C., Swan, C., and Barmuta, L.A. (2012) Global patterns of distribution in stream detritivores: implications for biodiversity loss in changing climates. Global Ecology and Biogeography. (impact factor 5.913) (DOI: 10.1111/j.1466-8238.2011.00673.x)

4. Boyero, L., Pearson, R.G., Gessner, M.O., Barmuta, L.A., Ferreira, V., Graça, M.A.S., Dudgeon, D., Boulton, A.J., Callisto, M., Chauvet, E., Helson, J.E., Bruder, A., Albariño, R.J., Yule, C.M., Arunachalam, M., Davies, J.N., Figueroa, R., Flecker, A.S., Ramírez, A., Death, R.G., Iwata, T., Mathooko, J.M., Mathuriau, C., Gonçalves, J.F., Moretti, M., Jinggut, T., Lamothe, S., M'Erimba, C., Ratnarajah, L., Schindler, M.H., Castela, J., Buria, L.M., Cornejo, A., Villanueva V.D., & West, D.C. (2011) A global experiment suggests climate warming will not accelerate litter decomposition in streams but may reduce carbon sequestration. Ecology Letters 14: 289–294. doi: 10.1111/j.1461-0248.2010.01578.x (impact factor 17.557)
5. Yule, C.M., Boyero, L and Marchant, R. (2010) Effect of pollution on food webs in a tropical river (Borneo, Indonesia). Marine and Freshwater Research. 61: 204–213 doi:10.1071/MF09065 (impact factor 1.982)
6. Yule CM (2010) Loss of biodiversity and ecosystem functioning in Indo-Malayan peat swamp forests. Biodiversity and Conservation 19:393–409 DOI: 10.1007/s10531-008-9510-5 (invited contribution) (impact factor 2.264)
7. Yule, C.M., Leong, M.Y., Liew, K.C., Ratnarajah, L., Schmidt, K., Wong,H.M., Pearson, R.G. Boyero, L. (2009). Shredders in Malaysia: abundance and richness are higher in cool upland tropical streams. Journal of the North American Benthological Society 28(2):404-415 (impact factor 2.133)
8. Jackson, C.R., Liew, K.C. & Yule, C.M (2009) Structural and functional changes with depth in microbial communities in tropical peat swamp forest sediments. Microbial Ecology 57: 402-412 DOI: 10.1007/s00248-008-9409-4
9. Yule, C.M. and Gomez, L. (2009). Leaf litter decomposition in a tropical peat swamp forest in Peninsular Malaysia. Wetlands Ecology and Management. 17: 231-241. DOI: 10.1007/s11273-008-9103-9
10. Yule, C.M. and Yong, H.S. (Eds.) (2004) Freshwater Invertebrates of the Malaysian Region.Academy of Sciences Malaysia. Pp 861. (Book)

How many publications, in total, have you published?

40

List any patents you have registered

4.2.6 Dr Chew Esyin

Institution	Monash University Malaysia
School/Department/Faculty	School of Information Technology
Main Research Area(s)	Technology enhanced assessment and feedback; Mobile / Wearable technologies for educational and health sectors
Name	Dr Chew Esyin
EMAIL	chew.esyin@monash.edu
URL	http://www.infotech.monash.edu.my/research/our-researchers/dr-chew-esyin

Give a brief description of your research interests and/or expertise

My heart lies in the research on technology enhance learning, teaching, assessment and feedback in higher education and special education. In addition, the latest technologies such as mobile and wearable technologies with its implementation framework are the extension of the previous work. The current research group is investigating how technology innovation can impact to higher education, innovation and healthcare in Malaysia. The research can be applied in the following sectors (not limited):

- Public and private universities
- Special education schools
- Hospitals
- Business organisations

The research team is exploring the real world problems with real stakeholders, landscaping the current practices, design and modeling the solutions with the leading industrial collaboration in the related area. From the blended learning institutional implementation framework and strategies to technology innovations enhancing day-to-day practices in assessment and feedback inform and transform the modeled solutions.

List up to 10 of your most recent or most important papers, giving the full citation

1. Chew, E., Ding, S. L. (2014) The Zone of Proximal and Distal Development of the Chinese Language Studies with the Use of Wikis, Australasian Journal of Educational Technology, 30(2), 184-201 [ISI- indexed Q1]
2. Jones, N., Blackey, H., Fitzgibbon, F., Chew, E., (2010) 'Get out of MySpace!', Elsevier Journal of Computers and Education, 54 (3), 776-782. [ISI-indexed Q1]

3. Chew, E., Ding, S., L., Rowell, G. (in press) Changing Attitudes in learning and assessment: Cast-off 'plagiarism detection' and cast-on self-service assessment for learning, Journal of Innovations in Education and Teaching International. Published online 2 Sept 2013 at DOI:10.1080/14703297.2013.832633 [ISI-indexed Q2]
4. Chew, E., Snee, H., Price, T. (in press) Enhancing international postgraduates' learning experience with online peer assessment and feedback innovation, Journal of Innovations in Education and Teaching International. http://www.tandfonline.com/doi/abs/10.1080/14703297.2014.937729#.VCOdL5SSw6Y [ISI-indexed Q2]
5. Jones, N., Chew, E. and Blackey, H. (in press) 'A Classroom without Wall?' The Institutional Policy for Social Software in Learning, Teaching and Assessment, International Journal of Innovation and Learning. [Scopus and British Education indexed]
6. Chew, E. (2014) 'To listen or to read?' - audio or written assessment feedback for international students in the UK, On the Horizon, 22(2), 1-12. [Scopus-indexed, A+ Education, Australian Education Index,Emerald EarlyCite-indexed]
7. Chew, E., Jones, N and Blackey, H. (2010) 'Implementing Institutional Online Assessment – Addressing the Challenges', In P. Tsang, S. K. S. Cheung, V. S. K., Lee, R. Huang (Eds), Hybrid Learning, Springer- Verlag Berlin Heidelberg: Lecture Notes in Computer Science Vol. 6248, 453-464. [ISI-indexed]
8. Chew, E., Turner, D. and Jones, N. (2009) Chapter 1 - 'In Love and War: Blended Learning Theories for Computer Scientists and Educationists', In Wang, F., L. Fong, J. and Kwan, R., C. (Eds), The Handbook for Hybrid Learning Models: Advanced Tools, Technologies and Applications, PA: Information Science Reference, pp.1-23.
9. Jones, N., Chew, E., Jones, C. and Lau, A. (2009) 'Over the worst or at the eye of the storm?' The Journal of Education and Training, 51(1), 6-22. [Emerald EarlyCite-indexed, Australian Education Indexed, Scopus-indexed]
10. Chew, E. and Jones, N. (2009) 'The "E"-vangelist's Plan of Action – Exemplars of the UK Universities' Strategies for Blended Learning', Hybrid Learning and Education, Springer-Verlag Berlin Heidelberg: Lecture Notes in Computer Science 378-389. [ISI-indexed].

How many publications, in total, have you published?

> 40

List any patents you have registered

0

4.2.7 Professor Chow Sek Chuen

Institution	Monash University Malaysia
School/Department/Faculty	School of Science
Main Research Area(s)	Immunotoxicology, mechanisms and regulation of apoptosis, T lymphocyte biology and signaling, and parasitology.
Name	Professor Chow Sek Chuen
EMAIL	chow.sek.chuen@monash.edu
URL	http://www.sci.monash.edu.my/staff/Professor-Chow-Sek-Chuen.html

Give a brief description of your research interests and/or expertise

My interest lies mainly in the understanding of how xenobiotics modulate the immune system, particularly on T lymphocytes and their function. Using various human and rodent model systems, the immunomodulatory effects of xenobiotics on many aspects of T cell biology, such as development, activation, differentiation, cellular homeostasis and apoptosis are being investigated. All these processes have defined endpoints that are tightly regulated by signaling pathways, metabolic processes and enzyme cascades. Understanding how these molecular processes are affected by xenobiotics helps to provide a better understanding in the development of new strategies for therapeutic intervention for some immunological disorders. Many xenobiotics and infectious agents exert their immunotoxicity through the induction or inhibition of apoptosis in immune cells. Understanding these processes can provide insights into how some immunological diseases arise and offer opportunities to advance our knowledge on the molecular basis of infection and diseases in the immune system.

List up to 10 of your most recent or most important papers, giving the full citation

1. Chow, S. C. and Jondal, M. Polyunsaturated free fatty acids stimulate an increase in cytosolic free calcium by mobilizing the inositol 1,4,5-trisphosphate sensitive calcium pool in T-cells through a mechanism independent of phosphoinositide turnover. (1990) J. Biol. Chem. 265:902-907.
2. Chow, S. C., Weis, M., Kass, G.E.N., Holström, T. M., Peters, I., Eriksson, J., Orrenius, S. Activation of multiple proteases during Fas-mediated apoptosis in T lymphocytes. (1995) FEBS Letters 364:134-138.
3. Chow, S.C., Brown, A., and Pritchard, D. I. The human hookworm pathogen Necater americanus induces apoptosis in T lymphocytes. (2000) Parasite Immunol. 22:21-29.

4. Johnson, V. L., Ko, S. C. W., Holmstrom, T. H., Eriksson, J. E. and Chow, S.C. Effector caspases are dispensable for the early nuclear morphological changes during chemical-induced apoptosis (2000) J. Cell Science. 113:2941-2953.
5. Coward, W.R. and Chow S.C. Effect of atorvastatin on T_H 1 and T_H 2 cytokine secreting cells during T cell activation and differentiation. (2006) Atherosclerosis 186:302-309.
6. Coward, W.R., Marei, A., Yang, A., Vasa-Nicotera, M., and Chow, S.C. Statin-induced proinflammatory response in mitogen-activated peripheral blood mononuclear cells through the activation of caspase-1 and IL-18 secretion in monocytes. (2006) J. Immunology 176:5284-5292.
7. Lawrence, C., Kadioglu, A., Coward, W., Yang, A-L and Chow, S.C. The cathepsin B inhibitor, z-FA-FMK is an immunosuppressive peptide that inhibits T cell proliferation and modulates host response to Pneumococcal infection. (2006) J. Immunology 177:3827-3836.
8. Lawrence, S.C. and Chow, S.C. Suppression of human T cell proliferation by the caspase inhibitors, z-VAD-FMK and z-IETD-FMK is independent of their caspase inhibition properties. Toxicol. Appl. Pharmacol. 265:103–
9. Liow, K.Y. and Chow, S.C. (2013) The cathepsin B inhibitor, z-FA-CMK is toxic and readily induced cell death in human T lymphocytes. Toxicol. Appl. Pharmacol., 272(3):559-567
10. Rajah, T. and Chow, S.C. The inhibition of human T cell proliferation by the caspase inhibitor z-VAD-FMK is mediated through oxidative stress (2014) Toxicol. Appl. Pharmacol., 278(2):100-106

How many publications, in total,have you published?

75

List any patents you have registered

Pro-apoptotic agents
SC Chow, DI Pritchard - US Patent 20,040,058,017, 2004

4.2.8 Dr. David James Young

Institution	Monash University Malaysia
School/Department/Faculty	School of Science
Main Research Area(s)	Chemistry
Name	David James Young
EMAIL	David.james.young@monash.edu
URL	

Give a brief description of your research interests and/or expertise

My expertise is the application of organic and inorganic chemistry to the synthesis of new materials. These materials have antibacterial properties, gas absorption properties, luminescent properties or chemical sensing properties. Our laboratory synthesizes, characterizes and tests these materials.

List up to 10 of your most recent or most important papers, giving the full citation

1. Morishima, Y.; Young, D. J.; Fujisawa, K. "Structure and photoluminescence of silver(I) trinuclear halopyrazolato complexes" Dalton Trans., 2014, DOI:10.1039/c4dt01978d.
2. Chen, J.-X.; Chen, M.; Ding, N.; Chen, W.-H.; Zhang, W.-H.; Hor, T. S. A.; Young, D. J. "Transmetalation of a Dodecahedral Na9 Aggregate-based Polymer: a Facile Route to Water Stable Cu(II) Coordination Networks" Inorg. Chem. 2014, 53(14),7446 - 7454.
3. Chen,J.-X.; Ding, N.-N.; Chen. M.; Chen, W. H.; Young, D. J.; Zhang, W.-H.; Hor, T. S. A. " A Three- Component 1D/2D → 2D Interpenetrated Coordination Network: Structure and Gas Adsorption Studies " Aust. J. Chem. 2014, DOI:10.1071/CH14111.
4. Zhang, Z.-X.; Ding, N.-N.; Zhang,W.-H.; Chen,J.-X.; Young, D. J.; Hor, T. S. A. "Stitching 2D Polymeric Layers into Flexible Interpenetrated Metal-Organic Frameworks within Single Crystals" Angew. Chem. 2014, 53, 4628 –463
5. Han, X. ; Weng, Z; Young, D. J.; Jin, G. – X.; Hor, T. S. A. "'Stoichiometric Sensitivity and Structural Diversity in Click-Active Copper(I) N,S-Heterocyclic Carbene Complexes" Dalton Trans., 2014, 43(3), 1305 - 1312.
6. Luo, S.-X.; Wei, L.; Zhang, X.-H.; Lim, M. H.; Lin, K. X. L.; Yeo, M. H. V.; Zhang, W.-H.; Liu, Z.-P.; Young, D. J.; Hor, T. S. A. "Enhanced Emission and Analyte Sensing by Cinchonine Iridium(III) Cyclometallated Complexes Bearing Bent Diphosphine Chelators"

Organometallics 2013, 32(10), 2908−2917.
7. Young, D. J.; Chien, S. W.; Hor, T. S. A. "1,1-Bis(diphenylphosphino)ferrocene in Functional Molecular Materials" DaltonTrans. 2012, 41, 12655–12665. (front cover)
8. Bai, S.-Q.; Young, A. M.; Hu, J. J.; Young, D. J.; Zhang, X.; Zong, Y.; Xu, J.; Zuo, J.-L.; Hor, T. S. A. "Zinc, cobalt and copper coordination polymers with different structural motifs from picolyl-triazole hybrid ligands" CrystEngComm, 2012, 14, 961 – 971.
9. Zhang, W.-H.; Zhang, X.-H.; Tan, A.-L.; Yong, M. A.; Young, D. J.; Hor, T. S. A. "Soluble Phosphorescent Iridium(III) Complexes from Cinchonine Derived Ligands" Organometallics 2012, 31 (2), 553–559.
10. W. H. Zhang, J. J. Hu, Y. Chi, D. J. Young, T. S. A. Hor "Phosphorescent Emitters from Natural Products: Cinchonine Derived Iridium(III) Complexes" Organometallics, 2011, 30(8), 2137-2143.

How many publications, in total, have you published?

126 ISI publications, 5 book chapters

List any patents you have registered

2 patent applications

4.2.9 Dr.David Wu

Institution	Monash University Malaysia
School/Department/Faculty	School of Pharmacy
Main Research Area(s)	Health Technology Assessment Health economics Economic modeling Systematic review and meta-analysis Network meta-analysis Patient-level data analysis Health system and policy research
Name	Dr.David Wu
EMAIL	david.wu@monash.edu
URL	

Give a brief description of your research interests and/or expertise

Dr. David Wu-Bin Chia's primary research interest focuses on health economics modelling outcomes research (e.g. decision tree model, Markov model, transmission dynamic model and discrete event model) in both communicable and non-communicable diseases. His other research interest includes statistical methodologies especially Bayesian approach in health economics.

List up to 10 of your most recent or most important papers, giving the full citation

1. Lee KK, Wu DB, Chow PY, Lee VWY, Li H. An economic analysis between entecavir and lamivudine for the treatment of chronic hepatitis B in Hong Kong. Journal of Gastroenterology and Hepatology. 2012;27(7):1167-74.
2. Cheng JS, Wu DB, Wen YW, Liu PH, Lin JR, Chang CJ, Biosignatures: comparative effectiveness research in biomarker clinical studies. Journal of the Formosa Medical Association. 2012;111(6):300-4
3. Wu DB, Chang CJ, Huang YC, Wen YW, Wu CL, Fann CSJ. Cost-effectiveness analysis of pneumococcal conjugate vaccine in Taiwan: A transmission dynamic modelling approach. Value in Health. 2012;15(1 Suppl):S15-9
4. Wu DB, Tsai YW, Wen YW. Bayesian cost-effectiveness analysis for censored Data – an application to antiplatelet therapy. Journal of Medical Economics. 2012;15(3):434-43.
5. Wu DB, Rinaldi F, Huang YC, Chang CJ. Clinical and economic impact of 7-Valent pneumococcal conjugate vaccination in Taiwan: A cost-effectiveness analysis. Journal of the

Formosa Medical Association. 2013;112(3):151-60.

6. Lee KKC, Wu DB, Topachevskyi O, Delgleize E, DeAntonio R. The health economic impact of universal infant vaccination with non-typeable haemophilus influenzae protein D carrier vaccine as compared with 13-Valent pneumococcal conjugate vaccine in Hong Kong. Value in Health Regional Issues. 2013; 2(1); 64-74.
7. Wen YW, Tsai YW, Wu DB[CA], Chen PF. The impact of outliers on net-benefit regression model in cost-effectiveness analysis. Plos One. 2013;8(6):e65930.
8. Wu DB, Lee KK, Li H. Cost analysis of long-lasting risperidone injection in the treatment of schizophrenia and schizoaffective disorders in Hong Kong: a generalized estimating equation approach. Psychiatry Research. 2013;210(3):745-5
9. Wu DB, Chang CJ, Chien L, Fang CH, Roberts C. A retrospective study to assess the incidence, mortality, and economic burden of pneumococcal disease in persons aged 50 years and older in Taiwan. Journal of Medical Economics. 2014;17(5):312-9. [Epub ahead of print]
10. Toh LS, Lai PSM, Wu DB, Wong KT, Low BY, Tan ATB, Anderson C. The development and validation of the satisfaction questionnaire for osteoporosis prevention (SQOP) in Malaysia. Patient Preference & Adherence. (Accepted)

4.2.10 Professor Eduard Bomhoff

Institution	Monash University Malaysia
School/Department/Faculty	School of Business/Economics Dept.
Main Research Area(s)	Monetary Macroeconomics and Economic Growth Cultural factors in economic development
Name	Professor Eduard Bomhoff
EMAIL	eduard.bomhoff@monash.edu
URL	http://www.buseco.monash.edu.my/school-staff/Eduard- Bomhoff-Prof-Profile.html

Give a brief description of your research interests and/or expertise

Eduard J. Bomhoff is a Professor of economics at the School of Business, Monash University Sunway campus.

He has served as Director of the School of Business at the Malaysia campus of the University of Nottingham from 2005 till 2010. In his home country (the Netherlands), he was professor of economics at Erasmus University Rotterdam and Nyenrode Business School. Many of his former students are now professors at business schools in Europe and the US. He has also served as Deputy Prime Minister and Minister of Health in the interim government in the Netherlands after the assassination of Pim Fortuyn in May 2002.

His research interests are monetary macroeconomics and economic growth. He has worked at the Bank of Japan and the International Monetary Fund and has been Bundesbank Professor at the Free University of Berlin. He has also held visiting appointments at NTU in Singapore and in Leuven, Kiel and Moscow and has been a consultant or board member at several banks and pension funds. In 2005, he was appointed by the World Values Survey as principal investigator for Malaysia.

In his home country, he has been a board member of the Holland Festival, the Rotterdam Philharmonic Orchestra and the Netherlands Dance Theatre. In 1998, Queen Beatrix appointed him as Officer in the Order of Oranje-Nassau.
Main or sole supervisor for 6 completed PhD dissertations at the Netherlands School of Economics, main or sole supervisor for 2 PhD dissertations in Malaysia.

Janneke and Eduard Bomhoff have two children, Jacco and Manja. Hobbies include opera and classical music (since 2004 they are great fans of the MPO) and trave

List up to 10 of your most recent or most important papers, giving the full citation

1. Bomhoff, E. and Gu Man-Li (2012), "Religion and Support for Democracy: A Comparative Study for Catholic and Muslim Countries", Politics and Religion, A Journal of the American Political Association.
2. Bomhoff, E. and Gu Man-Li (2012) East Asia Remains Different: A comment on the index of "Self-expression values" by Inglehart and Welzel "Journal of Cross-cultural Psychology (rated A)
3. Bomhoff, E. and Gu Man-Li (2012) East Asian Exceptionalism – Rejoinder "Journal of Cross-Cultural Psychology" (rated A)
4. Bomhoff, E.J. and Lee, G (2012) "Tolerance and economic growth revisited – A Note", Public Choice,Volume 153, Issue 3,Page 487-494 (rated A)

How many publications, in total, have you published?

75+ Academic publications and 400+ newspaper columns and editorial page contributions

List any patents you have registered

none

4.2.11 Professor Ferdinand A.K. Gul

Institution	Monash University Malaysia
School/Department/Faculty	School of Business/Accounting & Finance Unit
Main Research Area(s)	Inter-disciplinary application of Contracting and Agency theories to Auditing, Corporate Finance and Corporate Governance
Name	Professor Ferdinand A.K. Gul
EMAIL	f.a.gul@monash.edu
URL	http://www.buseco.monash.edu.my/school-staff/Ferdinand-Akthar-Gul-Prof.html

Give a brief description of your research interests and/or expertise

The thrust of my research is inter-disciplinary mix of Auditing, Accounting, Finance, Law, Economics and Organizational theory. I have published more than 65 refereed papers. Many of the papers appear in leading high impact factor (see ISI Journal Citation Reports) journals such as Journal of Financial Economics, Journal of Accounting and Economics, Journal of Accounting Research, Contemporary Accounting Research, Auditing: A Journal of Practice and Theory, Journal of Corporate Finance, The Accounting Review, Accounting Horizons and Journal of Accounting and Public Policy.

List up to 10 of your most recent or most important papers, giving the full citation

1. Choi, S., Choi, Y.S., Gul, F.A. and Lee, W.J. (2014), "The Impact of Mandatory versus Voluntary Auditor Switches on Stock Liquidation: Some Korean Evidence, The British Accounting Review (forthcoming) (ABDC Listing ranked A).
2. Fung, S., Gul, F.A. and Radhakrishnan, S. (2014), "Investment Banks' Entry into New IPO Markets and IPO Underpricing", Management Science (forthcoming – published online on Jan. 2, 2014) (ABDC Listing ranked A*).

3. Gul, F.A., Zhou, G.Y. and Zhu, X.D. (2013), "Investor Protection, Firm Informational Problems, Big N Auditors and Cost of Debt Around the World", Auditing: A Journal of Practice & Theory, Vol.32, pp.1-30. (ABDC Listing ranked A*).
4. Gul, F.A., Wu, D.H. and Yang, Z.F. (2013), "Do Individual Affect Audit Quality? Evidence from Archival Data", The Accounting Review, Vol.88, pp.1993-2023. (ABDC Listing ranked A*).
5. Gul, F.A., Hutchinson, M.R. and Lai, K. (2013), "Gender-Diverse Boards and Properties of Analyst Earnings Forecasts", Accounting Horizons, Vol. 511-538. (ABDC Listing ranked A).
6. Bliss, M. and Gul, F.A. (2012), "Political Connection and Cost of Debt: Some Malaysia Evidence", Journal of Banking and Finance, Vol. 36, pp. 1520-1527. (ABDC Listing ranked A*).
7. Bliss, M. and Gul, F.A. (2012), "Political Connection and Leverage: Some Malaysia Evidence", Journal of Banking and Finance, Vol. 36, pp. 2344-2350. (ABDC Listing ranked A*).
8. Fung, S., Gul, F.A. and Krishnan, J. (2012), "City-Level Auditor Industry Specialization, Economies of Scale, and Audit Pricing", The Accounting Review, Vol. 87, pp. 1281-1307. (ABDC Listing ranked A*).
9. Gul, F.A., Cheng, L. and Leung, T.Y. (2011), "Perks and the Informativeness of Stock Prices in the Chinese Market", Journal of Corporate Finance, Vol. 17, pp. 1410-1429. (ABDC Listing ranked A*).
10. Gul, F.A., Srinidhi, B. and Ng, A. (2011), "Does Board Gender Diversity improve the Informativeness of Stock Prices?", Journal of Accounting and Economics, Vol. 51, pp. 314-338. (ABDC Listing ranked A*)

How many publications, in total, have you published?

65

List any patents you have registered

Nil.

4.2.12 Professor Gamini Herath

Institution	Monash University Malaysia
School/Department/Faculty	School of Business
Main Research Area(s)	Sustainable development Environmental Economics Economic Development of Asia
Name	Professor Gamini Herath
EMAIL	gamini.herath@monash.edu
URL	http://www.buseco.monash.edu.my/school-staff/Mudiyanselage-Gamini-Herath-Prof-Profile.html

Give a brief description of your research interests and/or expertise

My expertise is in the economics, specifically environmental economics, through high quality publications, competitive research grants and other academic activities. I have published widely and internationally in the area of natural resources and environmental economics in numerous high quality peer reviewed journals, including Ecological Economics, Australian Journal of Agricultural and Resource Economics and Journal of Environment Management recently. My previous publications have been in the American Journal of Agricultural Economics and Journal of development Studies. These journals have high impact factors, ranging from 0.87 to 1.2. I have also published books, book chapters with highly reputed international scholars and international publishers. These deal with water management, natural resource management and sustainable development. I have established a network of institutions for collaborative work with Missouri University, Texas A&M University, IFPRI (International Food Policy Research Institute in Washington), Aldo Leopold Institute for wilderness Research, Montana USA and SANDEE (South Asian Network of Development and environmental Economics).

List up to 10 of your most recent or most important papers, giving the full citation

1. A.Sarker, T.Itoh, R.Kada, Gamini Herath, (2014). User self-governance in a complex policy design for managing water commons in Japan, Journal of Hydrology, 510: 246-258. (ERA listing ranked A*)
2. Herath, G., & Crosling, G. (2012). Face-face teaching in economics: what do students value and how can we measure their preferences? Review of Higher Education and Self-Learning, 5(15), 43-56.
3. Herath, G. (2012). The privatization of telecommunications services with special reference to

developing countries. Journal of Global Intelligence and Policy, 5(8), 50-68.
4. Quazi, A., & Herath, G. (2012). Exploring marketing, ethical and socio-economic perspectives of stems cell research. Alliance Journal of Business Research, 57-67. (ERA listing ranked C)
5. Batabyal, A., & Herath, G. (2010). A dynamic and stochastic analysis of ship inspections and alien species management. Letters Spatial Resource Sciences, 3, 33-39.
6. Batabyal, A., & Herath, G. (2010). A stochastic analysis of goods allocation by queuing and the prevention of violence, Economics Bulletin, 130, 3143-3151.
7. Ananda, J., & Herath, G. (2009). A Critical Review of Multi-criteria Decision making methods with special reference to forest management and planning. Ecological Economics, 68, 2535-2548. (ERA listing ranked A)
8. Ananda, J., & Herath, G. (2008). Multi-attribute preference modelling and regional land-use planning. Ecological Economics, 65, 325-335. (ERA listing ranked A).
9. Musselwhite, Garry and Gamini Herath, (2007). 'Chaos Theory and Assessment of Forest Stakeholder Attitudes towards Australian Forest Policy', Forest Policy and Economics, 9: 947-964.
10. Prato, Tony and Gamini Herath, (2007). 'Multiple Criteria Decision Analysis for Integrated Catchment Management', Ecological Economics, 63: 627-632.

How many publications, in total, have you published?

75 journal papers, 6 books and 15 book chapters.

List any patents you have registered

NIL

4.2.13 Dr. Grace Lee Hooi Yean

Institution	Monash University Malaysia
School/Department/Faculty	Business/ Economics/ Business and Economics
Main Research Area(s)	International economics, labour economics, social capital and applied economics
Name	Grace Lee Hooi Yean
EMAIL	grace.lee@monash.edu
URL	http://www.buseco.monash.edu.my/school-staff/Dr-Grace-Lee-Hooi-Yean-Profile.html

Give a brief description of your research interests and/or expertise

Grace's principal research interests are international economics, labour economics, social capital and applied economics. She has published in various international journals such as Public Choice, Journal of Asian Economics, Applied Economics, Economic Modelling, Journal of the Japanese and International Economies and Journal of the Asia Pacific Economy.

List up to 10 of your most recent or most important papers, giving the full citation

1. Lee, G.H.Y., & Parasnis, J. (2014). Discouraged Workers in Developed Countries and Added Workers in Developing Countries? Unemployment Rate and Labour Force Participation, Economic Modelling, Vol 41, pp. 90-98. (ERA listing: A)
2. Lee, G.H.Y., & Lee, S. P. (2014). Childcare Availability, Fertility and Female Labour Force Participation in Japan, Journal of the Japanese and International Economies, Vol 32, pp.71-85. (ERA listing: A)
3. Liyanage D.H.P., & Lee, G.H.Y. (2013). Have Economic Growth and Institutional Quality Contributed to Poverty and Inequality Reduction in Asia? Journal of Asian Economics, Vol. 27, August, 71-86. (ERA listing: A)
4. Bomhoff, E., & Lee, G.H.Y (2012). Tolerance and Economic Growth Revisited: A Note, Public Choice, Vol. 153, No. 3, pp.487-494. 2012. (ERA listing: A)
5. Lee, G.H.Y., & Azali, M. (2012). Is East Asia an Optimum Currency Area? Economic ModellingVol. 29, No. 2, pp. 87-95. 2012. (ERA listing: A)
6. Lee, G.H.Y., & Koh, S.G.M. (2012).The Prospects of a Monetary Union in East Asia", Economic Modelling Vol. 29, No. 2, pp. 96-102. 2012. (ERA listing: A)
7. Lee, G.H.Y. (2011). Gold Dinar for the Islamic Countries? Economic Modelling, Vol. 28, No.

$, pp.1573-1586. (ERA listing: A)

8. Lee, G.H.Y. (2011). Aggregate Shocks Decomposition for Eight East Asian Countries, Journal of Asia Pacific Economy, Vol. 16, No. 2, pp.215-232. 2011. (ERA listing: A)
9. Lee, G.H.Y., & Azali, M. (2010). The Endogeneity of the Optimum Currency Area Criteria in East Asia, Economic Modelling, Vol. 77, No. 1, pp. 165-170. (ERA listing: A)
10. Biswal, B., Dhawan. U., & Lee, H.Y (1999). Testing Wagner versus Keynes using disaggregated public expenditure data for Canada, Applied Economics, 31, pp. 1283-1291. (ERA listing: A)

How many publications, in total, have you published?

1 book chapter; 10 international journal articles

List any patents you have registered

None

4.2.14 Professor Iain L Densten

Institution	Monash University Malaysia
School/Department/Faculty	Business
Main Research Area(s)	Leadership, culture, climate
Name	Professor Iain L Densten
EMAIL	Iain.densten@monash.edu
URL	http://www.buseco.monash.edu.my/school-staff/Iain-L.-Densten.html

Give a brief description of your research interests and/or expertise

Professor Densten's primary research and teaching areas are leadership and its relationship to organisational effectiveness, behavioural complexity, neuroscience, resilience, knowledge management, change and innovation, executives, Australian Business, health, followership, coaching and mentoring, burnout and stress, high performance, research methods, behaviour, learning and development, sustainability, values and culture, and emotions. Professor Densten draws on his experience in both the public and private sectors and has had considerable success in publishing in prestigious internationally refereed journals e.g., The Journal of Organizational Behavior, Australian Journal of Management, International Journal of Police Strategies and Management, Leadership and Organizational Development Journal, and British Journal of Management. Professor Densten is currently serving on the Editorial Advisory Boards for Leadership and Leadership and Organizational Development Journal.

List up to 10 of your most recent or most important papers, giving the full citation

1. Sarros, J.C., Gray, J.H., Densten, I.L., and Cooper, B. (2005). The organisational culture profile revisited and revised: An Australian perspective. Australian Journal of Management. 30(1), June, 159-182.
2. Densten, I.L. (2005). The Relationship between visioning behaviours and follower burnout. British Journal of Management. 15(2), 105-118.
3. Gray, J.H. and Densten, I.L. (2007). How leaders woo followers in the romance of leadership, Applied Psychology: An International Review, Special Edition: On the Romance of Leadership – In Memory of James R. Meindl, 56(4), 558-581.

4. Densten, I.L. (2005). The Relationship between visioning behaviours and follower burnout. British Journal of Management. 15(2), 105-118.
5. Densten, I.L. and Sarros, J.C. (2012). The Impact of Organizational Culture and Social Desirability on Australian CEO Leadership. Journal of Leadership and Organizational Development, 33(4), 342 – 368.
6. Densten, I.L. (2008). Leadership: Current assessment and future needs. In S. Cartwright and C. Cooper (eds.). Oxford Handbook of Personnel Psychology, Oxford, 93-120.
7. Sarros, J.C., Gray, J.H., Densten, I.L., and Cooper, B. (2005). The organisational culture profile revisited and revised: An Australian perspective. Australian Journal of Management. 30(1), June, 159-182.
8. Densten, I.L. (2001). Re-thinking burnout. Journal of Organizational Behavior, 22(8), 1- 14
9. Sarros, J.C., Tanewski, G.A., Winter, R.P., Santora, J.C., and Densten, I.L. (2002). Work alienation and organisational leadership. British Journal of Management, 13(4), 285-304.
10. Gray, J.H. and Densten, I.L. (2005). Towards and integrative model of organizational culture and knowledge management, International Journal of Organizational Behaviour, Special Edition on Knowledge Management, 9(2), 594-603.

How many publications, in total, have you published?

Book 1, Chapters 5, Conference proceedings 35, International Journal Articles 24

List any patents you have registered

None

4.2.15 Professor Ishwar Parhar

Institution	Monash University Malaysia
School/Department/Faculty	Brain Research Institute Monash Sunway (BRIMS)/Jeffrey Cheah School of Medicine & Health Sciences
Main Research Area(s)	Neuroscience; Reproduction; Endocrinology; Biotechnology
Name	Professor Ishwar Parhar
EMAIL	ishwar@monash.edu
URL	http://www.med.monash.edu.my/brims/

Give a brief description of your research interests and/or expertise

We provide a unique opportunity to work across key disciplines to achieve multiple aims of identifying factors and areas of the brain involved in reproductive aging and neuropsychiatric disorders. We have highly advanced research facilities and an excellent training platform in neuroscience. The areas that we focus on and have expertise in include;

1. Reproduction
2. Depression
3. Addiction
4. Sleep Disorder
5. Neurodegeneration/Neuroregenaration.

We have developed transgenic animal models and techniques such as Neuroimaging, Functional genomics and Behavioural analysis to address neurological problems. In addition, we are interested in the identification of non- coding RNA and novel genes in neurodegenerative diseases and the identification of natural products as effective therapy for reproductive aging and psychiatric disorders.

List up to 10 of your most recent or most important papers, giving the full citation

1. Hang Chong, Kitahashi Takashi, Parhar Ishwar (2014) Localization of characterization of val-opsin isoform expressing cells in the brain of adult zebrafish. J.Comp Neurology.
2. Md Shahjahan, Takashi Kitahashi, Ishwar S Parhar (2014) Central Pathways Integrating Metabolism and Reproduction in Teleosts Frontiers in Endocrinology (Nature Publications), section ExperimentalEndocrinology 25;5:36
3. Soga,T.,Kitahashi, T., Iain J Clarke, Parhar IS.(2014) Gonadotropin-Inhibitory Hormone Promoter-Driven Enhanced Green Fluorescent Protein Expression Decreases During Aging in Female Rats Endocrinology 155(5):1944-

4. FM Nathan, Satoshi Ogawa, Parhar, IS (2014) Habenular Kisspeptin Modulates Fear in the Zebrafish Proceedings of the National Academy of Sciences of the United States of American 11;111(10):3841-6
5. Ogawa S1, Ng KW, Xue X, Ramadasan PN, Sivalingam M, Li S, Levavi-Sivan B, Lin H, Liu X, Parhar IS. (2013) Thyroid hormone upregulates kiss2 gene in the nile tilapia, Oreochromis niloticus. Frontiers in Endocrinology (Nature Publications) 25;4:184. doi: 10.3389/fendo.2013.00184.
6. R Gopurappilly, S Ogawa, IS Parhar (2013) Functional significance of GnRH and kisspeptin, and their cognate receptors in teleost reproduction Frontiers in Endocrinology (Nature Publications)(4), art.no Article 24Parhar I, Ogawa S, Kitahashi T (2012) RFamides: Mediators of Environmental Signals for ReproductionProgress in Neurobiology. 98(2):176-196
7. Ogawa S, Ramadasan PN, Goschorska M, Anantharajah A, Ng KW and Parhar IS (2012) Cloning and Expression of Tachykinins and Their Association with Kisspeptins in the Brains of Zebrafish.. J Comp Neurol 520(13):2991-3012
8. Kitahashi T, Ogawa S, Parhar IS (2009) Clonning and expression of Kiss2 in the zebrafish and medaka. Endocrinology 150(2):821-31.
9. Parhar IS, Ogawa S, and Sakuma Y (2005) Three GnRH receptor types in laser captured single cells of the cichlid pituitary display cellular and functional heterogeneity. Proc Natl Acad Sci U S A 102: 2204-2209. [3 / 10.23]

How many publications, in total, have you published?

>124

List any patents you have registered

1	Cloning and localization of a gene encoding kisspeptin in zebrafish	PI 20071882
2	A promoter sequence to target GnIH neurons	PI 2013702245
3	Combination of ghrelin and kisspeptin analogs (GPR54 agonists) for growth of aquatic animals	PI 2013702246
4	Development of marker Gene for Genetic Improvement in Fish Reproduction	PI 2013702495
5	Use of Kisspeptin and its receptor, GPR54 Agonist to regulate serotonin	PI 2013702494
6	Cloning and localization of a gene encoding kisspeptin in zebrafish	PI 2013004240

4.2.16 Dr Jane Tong

Institution	Monash University Malaysia
School/Department/Faculty	Business/Management
Main Research Area(s)	Organizational Behaviour (Leadership, values, organizational climates)
Name	Jane Tong
EMAIL	Jane.tong@monash.edu
URL	http://www.buseco.monash.edu.my/school-staff/Jane-Tersptra-Tong-Lai-Yee-Assoc-Prof-Profile.html

Give a brief description of your research interests and/or expertise

My preferred research method is survey research method and my current research centers on the topics of leadership, organizational climates and intra-entrepreneurial behavior. I am interested in working with post-docs who have acquired a good understanding of survey research method, structural equation modelling, and statistics, and have the desire to apply those in understanding organizational behavior.

List up to 10 of your most recent or most important papers, giving the full citation

Refereed Journal Papers:

1. Mahenthiran, S., Terpstra-Tong, J.L.Y., Terpstra, R.H. & Rachagan, S. (Forth coming). Impact of executive citizenship and organizational commitment on corporate social responsibility: Evidence from Malaysia. Accepted by Social Responsibility Journal.
2. Terpstra-Tong, JLY., Terpstra, R.H. & Tee, D.D. (2014). Convergence and divergence of individual-level values: A study of Malaysian managers. Asian Journal of Social Psychology, 17(3), 236-243.
3. Terpstra-Tong, JLY. & Terpstra R.H. (2013). Differences in financial risk tolerance: A study of the United States, China, Hong Kong and Macao. Euro-Asia Journal of Management, 42, 43-65.
4. Terpstra-Tong, JLY., Terpstra, R.A. & Lam, N.C. (2012). Proton: Its rise, fall and future prospects. Asian Case Research Journal, 16(2), 347-377.
5. Ralston. D.A. Terpstra-Tong, JLY, Terpstra, R.H. & Wang, X. (2012). Today's state-owned enterprises of China: Are they dying dinosaurs or dynamic dynamos? In W. Mitchell. & A. Tsui (Eds.) Research in Emerging Economy Contexts. Available
6. athttp://onlinelibrary.wiley.com/subject/code/000028/homepage/virtual_issue__research_in_emerging_ec onomy_contexts.htm. (This paper was first published in 2006 in Strategic Management Journal,27(9):825-843.)

7. Ralston, D.A., Egri, C.P., Carranza M., Ramburuth P. Terpstra Tong JLY et al. (2009). Ethical preferences for influencing superiors: A 41-society study. Journal of International Business Studies, 40, 1022-1045.
8. Ralston, D.A., Terpstra-Tong, JLY., Maignan, I., Napier,N.K. & Thang, N.V. (2006). Vietnam: A cross- cultural comparison of influence behavior ethics. Journal of International Management, 12(1): 85-105.
9. Terpstra-Tong, JLY. & Ralston, D.A. (2002). Moving toward a multi-country understanding of upward influence strategies: An Asian perspective with directions for cross-cultural research. Asia-Pacific Journal of Management, 19:373-404.

Book

10. Hassard, J., Sheehan,J., Zhou, R., Terpstra-Tong, JLY., & J. Morris. (2007). China's State Enterprise Reform: From Marx to the Market, London: Routledge.

How many publications, in total, have you published?

Book (1); Refereed journal articles (11); International conferences (11); Professional reports (4)

List any patents you have registered

n/a

4.2.17 Professor Jeyapalan Kasipillai

Institution	Monash University Malaysia
School/Department/Faculty	Business Law and Taxation, School of Business
Main Research Area(s)	Tax Compliance, Measurement of Hidden Economy, Islamic Taxation, Distributive Effects of Goods and Services Tax
Name	Professor Jeyapalan Kasipillai
EMAIL	jeyapalan.kasipillai@monash.edu
URL	http://www.buseco.monash.edu.my/school-staff/Jeyapalan-Kasipillai-Professor.html

Give a brief description of your research interests and/or expertise

Dr Jeyapalan Kasipillai is a Professor and Deputy Head of School (Education) of School of Business at Monash University Malaysia, and Adjunct Senior Research Fellow, Taxation Law and Policy Research Institute. In the past, he served the Inland Revenue Board for over 15 years and was a Director of Tax Investigations. He later served University Utara Malaysia as a senior tax academic for another 15 years. Since 1994, Jeyapalan is a Council Member of the Chartered Tax Institute of Malaysia. Jeyapalan is also a member of Editorial Committees of numerous international journals. In January 2013, Jeyapalan was appointed as panel member of the Malaysian Qualification Agency (MQA) and later in August 2013, he was appointed as Programme External Assessor by University of Malaya. On 13 June 2014, Jeyapalan was appointed as GST Monitoring Group member chaired by the Chief Secretary to the Government, Ministry of Finance, Putrajaya. He completed the Royal Malaysian Customs GST Training Course and passed the GST Tax Agent examination in April 2014.

List up to 10 of your most recent or most important papers, giving the full citation

1. Kraal, D. & Kasipillai, J. (2014), "Colonial Tax: the Dutch East India Company's tax farming in 18th century Malacca", eJournal of Tax Research, 12(1), pp. 253 - 281. (Ranked 'A' by ABDC Listing)
2. Sapiei, N. & Kasipillai, J. (2014), "Evaluation of Corporate Income Tax Compliance Costs under the Malaysian Self-Assessment System", Australian Tax Forum, 29 (1), pp. 3 – 41. (Ranked 'A' by ABDC Listing)
3. Rachagan, S. & Kasipillai, J. (2013), "Money Laundering and Tax Crimes in an Emerging Economy", International Company and Commercial Law Review, 24(7), pp. 278 – 289. (Ranked "B" by ABDC Listing)

4. Kasipillai, J. & Sakthi M. (2013), "Deferred Taxes, Earnings Management, and Corporate Governance: Malaysian Evidence", Journal of Contemporary Accounting and Economics, 9(1), pp. 1-18. (Ranked "A" by ABDC Listing)
5. Sakthi, M. & Kasipillai, J. (2012), "Influence of Ownership Structure and Corporate Governance on Effective Tax Rates and Tax Planning: Malaysian Evidence", Australian Tax Forum, 27(4), pp. 949-997. (Ranked "A" by ABDC Listing)
6. Rachagan, S., Pascoe, J. & Kasipillai, J. (2011), "Shareholder Protection in Public Listed Companies: Issues in an Emerging Market", International Company and Commercial Law Review, 22(11), pp. 363 – 381. (ranked "B" by ABDC listing)
7. Kasipillai, J. & Pak, M. S. (2010), "Incentives to Position Malaysia as a Leading Islamic Financial Hub", Journal of Banking and Finance - Law and Practice, 21(4), pp. 292 – 268. (Ranked "A*" by ABDC listing)
8. Kasipillai, J. & Rachagan, S. (2009), "Evaluating Malaysia's Migration to Single Tier System", The Company Lawyer, United Kingdom, 30(2), pp. 54 – 59. (Ranked "B" by ABDC listing)
9. Kasipillai, J. & Jeyanthi, S. (2009), "Tax Guidelines for Financial Institutions Adopting FRS 139 and Its Impact on Commercial Activity", The Company Lawyer, 30(4), pp. 124 – 125. (Ranked "B" by ABDC listing)
10. Kasipillai, J. & Sinnakkannu, J. (2008), "Distributive Effects of the Introduction of GST in Malaysia", The International VAT Monitor, 19(5), pp. 359 – 366. (Ranked "A" by ABDC listing)

How many publications, in total, have you published?

Books (14), Chapters (10), Refereed Articles (146)

List any patents you have registered

None.

4.2.18 Professor Joshua Li

Institution	Monash University Malaysia
School/Department/Faculty	School of Engineering & Multidisciplinary Platform of Advanced Engineering
Main Research Area(s)	Electrical & Computer Systems Engineering
Name	Professor Joshua Li
EMAIL	Joshua..li@monash.edu
URL	http://www.eng.monash.edu.my/about-us/who-we-are/academic-staff#/adminpanel/users/info.php?id=179 http://ie-uestc.org/lwli/index_e.html

Give a brief description of your research interests and/or expertise

- Electromagnetic Theory (Dyadic Green's Functions & Vector Wave Functions)
- Radio Wave Propagation (Wireless Power Transfer & Charging, Microwave Power Transmission, Radio Wave Attenuation, Waves in Forests & Waves in Ionosphere)
- Antenna Theory, Analysis & Design (Nano Antennas, Microstrip, Loop, and Reflector Antennas)
- Electromagnetic Radiation & Scattering (RCS, EMC/EMI, Large-Scale Circuit Designs)
- Bio-Electromagnetics (Microwave Biological Interaction, Specific Absorption Rate, DNA and Human Hazard, Microwave Breast Cancer Treatment)
- Electromagnetic Materials (Nano-Scaled Composite & Artificial Materials, and Metamaterials)
- Computational EM (Numerical Techniques, Fast Algorithms, and EM Fast Solvers)
- Nano EM (Nano Antennas, Surface Plasma, Plasmonic Resonance, Nano Circuits)

List up to 10 of your most recent or most important papers, giving the full citation

Number of citations is taken from Google Scholar. Citations for classic electromagnetics works are usually small due to the format and nature of engineering journals (with an average of about 12 references in each engineering paper, in comparison with an average of about 60 references in each biomedical material paper).

1. Le-Wei Li, Xiao-Kang Kang, Mook-Seng Leong, Spheroidal Wave Functions in Electromagnetic Theory, Wiley: New York, 320 pages, Wiley-Interscience Series, Edited by Kai Chang, ISBN No.: 0-471-03170-4, November, 2001. (113 citations).
2. *Le-Wei Li, Pang-Shyan Kooi, Mook-Seng Leong, and Tat-Soon Yeo, "Electromagnetic dyadic Green's function in spherically multilayered media," IEEE Transactions on Microwave Theory and Techiques (SCI JCR Q1 ranking, IF: 2.330), vol. 42, no. 12, pp. 2302—2310, December 1994, Part A. (156 citations).
3. *Z.F. Liu, Pang-Shyan Kooi, Le-Wei Li†, Mook-Seng Leong, and Tat-Soon Yeo, "A method for designing broadband microstrip antennas in multilayered planar structures," IEEE Transactions on Antennas and Propagation (SCI JCR Q1 ranking, IF: 2.332), vol. 47, no. 9, pp. 1416—1420, September 1999. (115 citations).
4. *Xiaochun Nie, Le-Wei Li†, and Ning Yuan, "Precorrected-FFT algorithm for solving combined field integral equations in electromagnetic scattering," Journal of Electromagnetic Waves and Applications (SCI JCR Q1 ranking, IF: 2.965), vol. 16, no. 8, pp. 1171—1187, August 2002.(67 citations).
5. *Er-Ping Li, En-Xiao Liu, Le-Wei Li† and Mook-Seng Leong, "A coupled efficient and systematic full-wave time-domain macromodeling and circuit simulation," IEEE Transactions on Advanced Packaging (SCI JCR Q2 ranking, IF: 1.339), vol. 27, no. 1, pp. 1-11, February2004. (77 citations).
6. *Shi-Chang Gao, Le-Wei Li†, Tat-Soon Yeo, and Mook-Seng Leong, "A broad-band dual- polarized microstrip patch antenna with aperture coupling," IEEE Transactions on Antennas and Propagation (SCI JCR Q1 ranking, IF: 2.332), vol. 51, no. 4, pp. 898—900, April 2003. (75 citations).
7. You-Lin Geng, Xin-Bao Wu, Le-Wei Li†, and Bo-Ran Guan, "Mie scattering by an uniaxial anisotropic sphere," Physical Review E (SCI JCR Q1 ranking, IF: 2.313), vol. 70, no. 5, pp. 056609/1-8, November 1, 2004. (67 citations).
8. *Wei-Bin Ewe, Le-Wei Li†, and Mook-Seng Leong, "Fast solution of mixed dielectric/conducting scattering problem using volume-surface adaptive integral method," IEEE Transactions on Antennas and Propagation (SCI JCR Q1 ranking, IF: 2.332), vol. 52, no. 11, pp. 3071-3077, November 2004. (49 citations)
9. *Le-Wei Li, Ya-Nan Li, Tat-Soon, Yeo, Juan R. Mosig and Olivier J.F. Martin, "A Broadband and High-gain Metamaterial Microstrip Antenna," Applied Physics Letters (SCI JCR Q1 ranking, IF: 3.794), vol. 96, no. 6, 164101, April 2010. (57 citations in 3 years)
10. *Joshua Le-Wei Li, and Lan-Wei Guo, "Fast Fourier Transforms in Electromagnetics", in Encyclopedia of Electrical and Electronic Engineering, John Wiley & Sons: New York, in press, 2014.It also includes my recent research work, e.g., Li Hu, Le-Wei Li†, and Raj Mittra, "Electromagnetic Scattering by Finite Periodic Arrays Using CBFM/AIM," IEEE Trans. Antennas Propag. (SCI JCR Q1 ranking, IF: 2.332), vol. 58, no. 9, pp. 3086-3090, Sept. 2010.(20 citations in 3 years)

How many publications, in total, have you published?

- 4 books (2 published in 2001 and 2010; and 2 in press; namely, Spheroidal Wave Functions in Electromagnetic Theory (New York: Wiley, 2001); Device Modeling in CMOS Integrated Circuits: Interconnects, Inductors and Transformers (London: Lambert Academic Publishing); and other two books in press); and 48 book chapters;
- over 370 international refereed journal papers (of which about half of these papers were published in IEEE Transactions and Letters, and the remaining in Optics Express, Applied Physics Letters, Physical Review E or B, Radio Science, IEE Proceedings, and JEWA etc);
- 49 regional refereed journal papers; and over 400 international conference papers.

He has graduated over 100 PhD- and Master-degree students, and mentored over 20 post-doctoral fellows and (senior) research scientists. Among those publications, over 530 of his papers have been indexed in ISI database, with about 3000 citations and H-index of 25 in ISI; and with 5860 citations, an H-index of 36, and an i10-index of 185 in Google Scholar.

List any patents you have registered

11 patents filed in 2012 and 2013 (among them, 4 granted in 2014).

4.2.19 Professor Kenneth Lee

Institution	Monash University Malaysia
School/Department/Faculty	School of Pharmacy
Main Research Area(s)	Health Technology Assessment Health economics Economic modeling Systematic review and meta-analysis Network meta-analysis Patient-level data analysis Health system and policy research
Name	Prof.Kenneth Lee
EMAIL	kenneth.lee@monash.edu
URL	

Give a brief description of your research interests and/or expertise

Prof Kenneth Lee has substantial experience in performing cost-effectiveness analysis of new pharmacotherapies and policy research of healthcare resource utilization. He is the editor-in-chief and editorial member of a number of peer-reviewed international journals.

List up to 10 of your most recent or most important papers, giving the full citation

1. Lee KK, You JHS, Ho JTS, Suen BY, Yung MY, Lau WH, Lee VWY, Sung JJY, Chan FKL. Economic analysis of celecoxib versus diclofenac plus omeprazole for the treatment of arthritis in patients at risk for ulcer disease. Alimen Pharmacol Thera 2003;18:217-222
2. Doherty J, Kamae I, Lee KK, Li H, Li SC, Liu G, Tarn T, Yang BM. What is next for pharmacoeconomics and outcomes research in Asia? Value in Health 2004;7(2):118-132.
3. Lee KK. Discontinued drugs in 2005: pulmonary-allergy, dermatological, gastrointestinal and arthritis drugs. Expert Opinion on Investigational Drugs 2006,15(12):1497-1505
4. Lau JY, Leung WK, Wu JCY, Chan FKL, Wong VWS, Chiu PWY, Lee VWY, Lee KKC, Cheung FKY, Siu P, Ng EKW, Sung JJY. Omeprazole before endoscopy in patients with gastrointestinal bleeding. N Eng J Med 2007;356:1631-40
5. Lee KK, Lee VWY, Alemo E, Semlitz L, Tomlinson BT. Cholesterol goal attainment in patients with Coronary Heart Disease and Elevated Coronory Risk: Results of the Hong Kong

Hospital Audit Study. Value in Health 2008;11 (s1):S91–S98
6. Bravo LC, Lee KK and members of the Asian Strategic Alliance for Pneumoccocal Disease prevention (ASAP) Working Group. Overview of the disease burden of invasive pneumococcal disease in Asia. Vaccine. 2009 Dec 9;27(52):7282-91
7. BM Yang, Lee KK. Growing application of Pharmacoeconomics and Outcomes research in health-care decision-making in the Asia-Pacific region. Value in Health 2009;12 (Suppl. 3):1-2
8. Lee KK, Rinaldi F, Chan MKU, Chan STH, So TMT, Hon EKL, Lee VWY. Economic evaluation of universal infant vaccination with 7-v PCV in Hong Kong. Value in Health 2009;12 (2 Suppl. 3): S42-S48
9. Lee KK, Wu DBC, Chow PY, Lee VWY Li Hi. "Economic Analysis Between Entecavir and Lamivudine for the Treatment of Chronic Hepatitis B in Hong Kong" J Gastroenterol Hepatol. 2012;27(7),1167-1174.
10. Wu DB, Lee KK, Li H. Cost analysis of long-lasting risperidone injection in the treatment of schizophrenia and schizoaffective disorders in Hong Kong: a generalized estimating equation approach. Psychiatry Research. 2013;210(3):745-50

4.2.20 Dr.Keshab Shrestha

Institution	Monash University Malaysia
School/Department/Faculty	School of Business
Main Research Area(s)	Asset pricing, financial risk management, financial econometrics
Name	Keshab Shrestha
EMAIL	keshab.shrestha@monash.edu
URL	

Give a brief description of your research interests and/or expertise

I am interested in inter-disciplinary research that involves accounting, economics, finance as well as statistics. Specifically, my research interest lies in asset pricing that includes price discovery and financial risk management including the impact of corporate governance on asset prices. I am also interested in methodological issues in the area of financial econometrics.

List up to 10 of your most recent or most important papers, giving the full citation

1. Julia Sawicki and Keshab Shrestha, 2014, "Misvaluation and Managerial Trading Incentives for Real and Accrual-Based Earnings Management, Journal of Business Finance and Accounting 41, 926-949.
2. Keshab Shrestha, 2014, "Price Discovery in Energy Markets," Energy Economics 45, 229-233
3. Donald Lien and Keshab Shrestha, 2014, "Price Discovery in Interrelated Markets," The Journal of Futures Markets 34, 203-219.
4. Seoungpil Ahn and Keshab Shrestha, 2013, "Differential effects of Classified Boards on Firm Value," Journal of Banking and Finance, 37, 3993-4013.
5. Yongning Wang, Ruey S. Tsay, Johannes Ledolter and Keshab Shrestha, 2013, "Forecasting Simultaneously High-Dimensional Time Series: A Robust Model-Based Clustering Approach," Journal of Forecasting 32, 673-684.
6. Suman Banerjee, Lili Dai and Keshab Shrestha, 2011, "Cross-country IPOs: What explains differences in underpricing?" Journal of Corporate Finance 17, 1289 – 1305.
7. Donald Lien and Keshab Shrestha, 2009, "A New Information Share Measure," The Journal of Futures Markets 29, No. 4, pp. 377 - 395.
8. Donald Lien and Keshab Shrestha, 2007, "An Empirical Analysis of the Relationship between Hedge Ratio and Hedging Horizon Using Wavelet Analysis," Journal of Futures Markets 27,

pp. 127-150Citation

9. Beng Soon Chong, Ming-Hua Liu and Keshab Shrestha, 2006, "Monetary Transmission via the Administered Interest Rates Channel," Journal of Banking and Finance 30, pp. 1467-1484
10. Keshab Shrestha, 1989, "Empirical Measurement of Inflation Index: A Multiple Indicators Distributed Lag Approach," Journal of Business and Economic Statistics 7, pp. 219 – 225.

How many publications, in total, have you published?

Around 34

List any patents you have registered

None

4.2.21 Dr. Kuang Ye Chow

Institution	Monash University Malaysia
School/Department/Faculty	Engineering
Main Research Area(s)	Statistical Machine Learning, System Modelling and Measurement Analysis
Name	Kuang Ye Chow
EMAIL	kuang.ye.chow@monash.edu
URL	https://sites.google.com/site/kuangyechow/home

Give a brief description of your research interests and/or expertise

Fields of expertise:

1. System modeling and diagnostic using stochastic excitation signal
   Projects: design and application of optimum multisine excitation in electronics testing. Design of measurement system excited by noise.
2. Structured approach towards the evaluation of measurement uncertainty
   Projects: application of measurement uncertainty framework to engineering design problems.
3. Application of statistical and machine learning methods on machine vision problems
   Projects: abnormal cell recognition in biopsy samples, unsupervised optimal human detection, animal behavior quantification (for the use in biomedical research)

List up to 10 of your most recent or most important papers, giving the full citation

1. Y.C.Kuang, A.Rajan, M.P-L.Ooi, T.C.Ong, Standard Uncertainty Evaluation of Multivariate Polynomial, Measurement (In press)
2. M.P-L.Ooi, H.K.Sok, Y.C.Kuang, H.Cheng, E.Sim, S.Demidenko, C.Chan, Identifying systematic failures on semiconductor wafers using ADCAS, IEEE Design & Test of Computers, Vol. 30(5), pp. 44-53, 2013
3. T.Guan, Y.C.Kuang, M.P-L.Ooi, Throughput-Driven Condition Based Maintenance for Frequently Reconfigured Mass Production Equipment, International Journal of Advanced Manufacturing Technology, Vol. 65(9-12), pp. 1349-1361, 2013
4. M.P-L.Ooi, H.K.Sok, Y.C.Kuang, S.Demidenko, C.Chan, Defect Cluster Recognition System for Fabricated Semiconductor Wafers, Engineering Applications of Artificial Intelligence, Vol.

26(3), pp.1029- 1043, 2013
5. M.S.Ong, Y.C.Kuang, M.P-L.Ooi, Statistical measures of two dimensional point set uniformity, Computational Statistics & Data Analysis, Vol. 56(6), p2159-2181, 2012
6. M.S.Ong, Y.C.Kuang, P.S.Liam, M.P-L.Ooi, Multisine with Optimal Phase-Space Uniformity for ADC Testing, IEEE Transactions on Instrumentation and Measurement, Vol. 61(3), p566-578, 2012
7. N.Gamage, Y.C.Kuang, R.Akmeliawati, S.Demidenko, Gaussian Process Dynamical Models for Hand Gesture Interpretation in Sign Language, Pattern Recognition Letters, Vol. 32(15), p2009-2014, 2011
8. M.P.-L.Ooi, E. K.J.Sim, Y.C.K.uang, S.Demidenko, L.Kleeman, C. Chan, Getting More from the Semiconductor Test: Data Mining with Defect Cluster Extraction, IEEE Transactions on Instrumentation and Measurement, Vol. 60(10), p3300-3317, 2011
9. M.S.Ong, Y.C.Kuang, M.P-L.Ooi, S.Demidenko, P.S.Liam, Optimal Dual-Tone Frequency Selection Algorithm for ADC Frequency Domain Dynamic Tests, IEEE Transactions on Instrumentation and Measurement, Vol. 60(5), p1533-1545, 2011
10. Z.Z.Htike, S.Egerton, Y.C.Kuang, A hybrid ART-RBF Network Architecture for Viewpoint Invariant Human Activity Recognition, Australian Journal of Intelligent Information Processing Systems, Vol. 12(3), p31-37, 2010

How many publications, in total, have you published?

61

List any patents you have registered

0

4.2.22 Dr. Mahendhiran Nair

Institution	Monash University Malaysia
School/Department/Faculty	Econometrics & Business Statistics/School of Business
Main Research Area(s)	Econometrics, big data analytics, behavioral economics, development economics, innovation ecosystems and ICT strategy & policy.
Name	Mahendhiran Nair
EMAIL	mahendhiran.nair@monash.edu
URL	http://www.buseco.monash.edu.my/school-staff/Mahendhiran-Sanggaran-Nair-Prof-Profile.html

Give a brief description of your research interests and/or expertise

My research interests are in the applications of econometric modeling methods, statistical pattern recognition techniques and business analytics tools to study key factors that impact socioeconomic development of countries, firms and marginalized communities. I have received competitive research grants to develop new empirical models to study the adoption of new technologies and their impact on socioeconomic development of marginalized communities in Malaysia. Some of my research work has been used in national strategic plans and national policy position papers such as the National ICT Strategic Roadmap 2007 (Ministry of Science & Technology), The Malaysian New Economic Model (NEAC-Prime Minister's Department) and Increasing Broadband Penetration and Quality for National Transformation Based on Science & Technology (Academy Sciences Malaysia, 2013).

List up to 10 of your most recent or most important papers, giving the full citation

1. Crosling, G., Nair, M., Vaithilingam, S. (2014), Creative learning ecosystem and innovative capacity: a perspective from higher education, Studies in Higher Education, DOI:10.1080/03075079.2014.881342.
2. Liew, E, J.Y, Vaithilingam, S. and Nair, M. (2014), "Facebook and socioeconomic value creation in the developing world," Behaviour & Information Technology, DOI:10.1080/0144929X.2013.810775.
3. Nair, M., Han, G.-S., Lee, H., Goon, P., Muda, R. (2010) "Determinants of the digital-divide in rural communities of a developing country: the case of Malaysia," Development and Society, 139- 162.
4. Samudram, M. and Nair, M. and Vaithilingam, S. (2009), "Keynes versus Wagner on

Government Expenditures and Economic Development," Empirical Economics, Volume 36, 697-712.
5. Vaithilingam, S. and Nair, M. (2009), "Mapping global money laundering trends: lessons from the pace-setters," Research in International Business and Finance, Volume 23, 18-30.
6. Zainol, A., Nair, M. and Kasipillai, J. (2008), "R&D reporting practice: case of a developing economy," Journal of Intellectual Capital, Volume 9, No. 1, 122-132.
7. Vaithilingam, S. and Nair, M. (2007), "The Factors Affecting the Pervasiveness of Money Laundering: Lessons for Emerging Markets," Journal of Money Laundering and Control, Volume 10, 352-366.
8. Shanmugam, B., and Nair, M. (2004), Mergers and acquisitions in Malaysian banks', Managerial Finance, 30, 4, 1-18.
9. Shanmugam, B., Nair, M. and Suganthi, R. (2003), Money Laundering in Malaysia, Journal of Money Laundering Control, Vol. 6, No. 4, 373-378.
10. Shanmugam, B., Nair, M. and Ong, W.L. (2003), The endogenous money hypothesis: empirical evidence from Malaysia (1985-2000), Journal of Post Keynesian Economics, 25, 399-611.

How many publications, in total, have you published?

More than 60.

List any patents you have registered

0

4.2.23 Dr.Marco Buente

Institution	Monash University Malaysia
School/Department/Faculty	School of Arts and Social Sciences (SASS)
Main Research Area(s)	Comparative Politics, International Relations
Name	Marco Buente
EMAIL	Marco.buente@monash.edu
URL	http://www.sass.monash.edu.my/about-us/SASS-Dr-Marco-Buente.html

Give a brief description of your research interests and/or expertise

My research lies in the intersection of comparative politics and International relations. I work on regime change and persistence (democratization and autocratic regression), external factors of democratization (sanctions and aid policy), governance issues (decentralization, civil military relations) and transnational security issues (piracy, terrorism). My main research area is Southeast Asia.

List up to 10 of your most recent or most important papers, giving the full citation

1. Buente, Marco and Aurel Croissant: The Crisis of Democratic Governance in Southeast Asia, Basingstoke: Palgrave 2010
2. Buente, Marco and Andreas Ufen: Democratization in Post Suharto Indonesia, Routledge Palgrave
3. Myanmar's transition to quasi-military rule: From rulers to guardians, Armed Forces and Society, 4/2014, 740-762.
4. Constitutional Politics in Southeast Asia, London: Routledge (forthcoming)
   Constitutional Politics in Southeast Asia, in: Contemporary Southeast Asia, 1/2014, pp. 1-27
5. Buente, Marco: Piraterie in Südostasien: Neuere Entwicklungen und Perspektiven [Piracy in Southeast Asia: New developments and insights], in: Journal of Current Southeast Asian Affairs, Vol. 28,No. 2, 87-99.
6. Buente, Marco: The politics of refugees inside and outside Myanmar, in: *Journal of Current Southeast Asian Affairs*, 2/2009, pp. 1-6.

7. Buente, Marco: Decentralization and Democratic Governance in Southeast Asia, in: Marco Bünte/Aurel Croissant (eds.): The Crisis of Democratic Governance in Southeast Asia, Basingstoke, Palgrave 2011. 131-150.
8. Bünte, Marco: Der Kampf gegen Terrorismus und Piraterie in Südostasien [The Fight against Terrorism and Piracy in Southeast Asia], in: Hanns Maull/ Martin Wagener: Ostasien in der Globalisierung, Nomos 2009
9. Buente, Marco: Gewalt im Süden Thailands: Vom ethnischen zum religiösen Konflikt? [Violence in Southern Thailand: From ethnic to religious conflict?] in: F. Schulze/ H. Warnk (Hrsg.): Muslime und Nichtmuslime. Islam und Identität in Südostasien, Frankfurt: Harrassowitz, 2006,pp.161-185.

How many publications, in total, have you published?

- 100

List any patents you have registered

4.2.24 Dr. Maude E. Phipps

Institution	Monash University Malaysia
School/Department/Faculty	Jeffrey Cheah School of Medicine and Health Sciences
Main Research Area(s)	Human Molecular Genetics Translational Medicine & Diagnostics DNA Typing for Stem Cell Transplantation Cardio-metabolic disorders, Autoimmunity, Pharmacogenomics, Microbial and Human Genome Evolution Next Generation Sequencing and Bioinformatics Bioethics
Name	Maude E. Phipps
EMAIL	Maude.Phipps@monash.edu
URL	http://www.med.monash.edu.my/staff/academic/molecular-biology-genetics/maude-elvira-phipps

Give a brief description of your research interests and/or expertise

My research over the past 23 years has encompassed a wide range of investigations and laboratory solutions that have centered around the broad theme of genomics and health.
Current research focuses on the genomics of Homo sapiens to answer questions related to our evolution, migration, morphological development and health especially systemic lupus erythematosus and cardio-metabolic diseases such as Type 2 diabetes, Hypertension, Infectious diseases including dengue. Recently I have leveraged on new technology platforms such as Next Generation Sequencing (NGS) and Bioinformatics for large data analyses of human genomes in collaboration with collaborators within Human Genome Organisation network and other international consortiums. I am excited about the interphase between human host and microbial interactions and various aspects of evolutionary medicine which will definitely impact and inform current and future practice of medicine and healthcare
Apart from translational medicine, I'm a keen advocate of bioethics education and research programmes in Asia and within UNESCO, especially in rapidly developing countries which have placed science and biotechnology high on their development agendas

List up to 10 of your most recent and/or most important papers, giving the full citation

1. Yang X, Xu S; HUGO Pan-Asian SNP Consortium; Indian Genome Variation Identification of close relatives in the HUGO Pan-Asian SNP database. PLoS One. 6(12):e29502
2. Hwa Chia Chai, Kek Heng Chua, Soo Kun Lim, and Maude Elvira Phipps (2013). Insight into Gene Polymorphisms Involved in Toll-like Receptor/Interferon Signalling Pathways for Systemic Lupus Erythematosus in South East Asia. Clinical and Developmental Immunology : Special Issue on Autoimmune Disease Genetics 2013
3. Reich D, Patterson N, Kircher M, Delfin F, Nandineni MR, Pugach I, Ko AM, Ko YC, Jinam TA, Phipps ME, Saitou N, Wollstein A, Kayser M, Pääbo S, Stoneking M. (2011) Denisova admixture and the first modern human dispersals into Southeast Asia and Oceania. Am J Hum Genet. 89(4):516-528.
4. S Xu, I Pugach, M Stoneking, M Kayzer, L Jin; Phipps ME and HUGO-PanAsian SNP Consortium (2012). Genetic dating indicates that the Asian Papuan admixture through eastern indonesia corresponds to the Austronesian expansion, PNAS March (1), ISI, Scopus , ERA - A*, Impact factor : 9.771
5. TA Jinam, LC Hong, ME Phipps, M Stoneking, M Ameen, J Edo, HUGO-PanAsian SNP Consoritium and N Saitou (2012). Evolutionary History of continental South East Asians "Early Train hypothesis based on genetic analyisi of mt and autosomal DNA. Mol.Biol & Evol. June 22, doi 10.1093/molbey/mss169 , ISI, Scopus, ERA – A, Impact factor : 5.510
6. CSN Chew, CL Cherry, D Imran, E. Yunihastuti, A. Kamarulzaman, S. Varna, R. Ismail, M. Phipps, Z. Aghafar, I. Gut & P. Price (2011). Tumour necrosis factor haplotypes associated with sensory neuropathy in Asian and Caucasian human immunodeficiency virus patients. Tissue Antigens 77, 126–130 , ERA 'A'
7. MK Choy and ME Phipps (2010) MICA polymorphism , Biology and Importance in Autoimmunity and Disease. Trends in Molecular Medicine, 16, ISI, Scopus, ERA A*, IF : 11.05
8. The HUGO-PANSP Consortium (2009) Mapping Human Genetic Diversity in Asia. Science, Dec 326, ISI, Scopus, Era 'A*', IF: 27.95

How many publications, in total, have you published?

I have published over a hundred papers and articles in international peer reviewed high quality journals, reviewed local journals reference textbooks, conference proceedings, , newsletters, bulletins, advisories, media releases, newspaper articles, interviews, etc.

These are some of the results of my research activities, student supervisions and engagements which cut across a variety of people and organizations, ranging from personal communications with Nobel laureates to working with individuals and families in Malaysian indigenous communities.

List any patents you have registered –

Not applicable, as yet

4.2.25 Dr. Md. Ezharul Hoque Chowdhury

Institution	Monash University Malaysia
School/Department/Faculty	Jeffrey Cheah School of Medicine and Health Sciences
Main Research Area(s)	Nanotechnology, Targeted Therapy, Cancer Therapy, Gene Therapy, Gene Knockdown, Drug Delivery, Oral Insulin Therapy
Name	Associate Professor Dr. Md. Ezharul Hoque Chowdhury
EMAIL	md.ezharul.hoque@monash.edu
URL	http://www.med.monash.edu.my/staff/academic/biomedical-science/md-ezharul-hoque-chowdhury http://www.researchgate.net/profile/Ezharul_Chowdhury http://umonash-my.academia.edu/EzharulHoqueChowdhury

Give a brief description of your research interests and/or expertise

We pioneered the development of world 1st pH-sensitive inorganic nanoparticles for cell-targetable and efficient delivery of anti-cancer drugs, gene-silencing elements (siRNAs), therapeutic genes and proteins in order to treat critical human diseases, such as cancer and diabetes. We are currently developing more efficient and biocompatible nano-carriers for tumor-targeted delivery of small and macromolecular drugs in addition to other emerging projects on oral delivery of insulin, protein purification by nanoparticles and molecular diagnosis.

List up to 10 of your most recent or most important papers, giving the full citation

1. Park, I. K., Kim, T. H., Park, Y. H., Shin, B. A., Choi, E. S., Chowdhury, E. H., Akaike, T. and Cho, C. S. Galactosylated chitosan-graft-poly(ethylene glycol) as hepatocyte-targeting DNA carrier. Journal of Controlled Release, 2001, Oct, 19, 76(3):349-62 (Impact factor 7.164).Total citations: 185
2. Chowdhury, E. H., Maruyama, A., Nagaoka, M., Hirose, S., Megumi, K. and Akaike, T. pH-

sensing nano-crystals of carbonate apatite: Effects on intracellular delivery and release of DNA for efficient expression into mammalian cells. Gene, 2006, 376, 87-94 (Impact factor 2.416).Total citations: 62

3. Chowdhury, E. H. & Akaike, T. Bio-functional inorganic materials: An attractive branch of gene-based nano-medicine delivery for 21st century, Current Gene Therapy, 2005, 5(6), 669-76 (Impact factor 4.9).Total citations: 62
4. 33. Chowdhury, E. H., Kunou, M., Nagaoka, M., Kundu, A. K., Hoshiba, T. and Akaike, T. High-efficiency gene delivery for expression in mammalian cells by nanoprecipitates of Ca-Mg phosphate. Gene, 2004, Oct 27, 341:77-82 (Impact factor 2.416).Total citations: 57
5. Kutsuzawa, K, Chowdhury, E. H. et al. Surface functionalization of inorganic nano-crystals with fibronectin and E-cadherin chimera synergistically accelerate trans-gene delivery into embryonic stem cells, Biochem Biophys Res Commun (BBRC), 2006, 350, 514-20 (Impact factor 2.548).Total citations: 32
6. Chowdhury, E. H., Sasagawa, T., Nagaoka, M., Kundu, A. K. and Akaike, T. Transfecting mammalian cells by DNA/calcium phosphate precipitates: effect of temperature and pH on precipitation. Analytical Biochemistry, 2003, March, 15,314(2):316-8 (Impact factor 3.287).Total citations: 32
7. Chowdhury, E. H pH-Sensitive Nano-Crystals of Carbonate Apatite for Smart and Cell-Specific Transgene Delivery, Expert Opinion on Drug Delivery, 2007, 4(3), 193-196 (Impact factor 4.12).Total citations: 31
8. Chowdhury, E.H. Nuclear targeting of viral and non-viral DNA, Expert Opinion on Drug Delivery, 2009, 6(7):697-703 (Impact factor 4.12).Total citations: 28
9. Chowdhury, E. H. & Akaike, T. A Bio-recognition device developed onto nano-crystals of carbonate apatite for cell-targeted gene delivery. Biotechnology and Bioengineering, 2005, 90, 414-421(Impact factor 3.00).Total citations: 28
10. Chowdhury, E. H., Nagaoka, M., Ogiwara, K., Zohra, F. T., Kutsuzawa, K., Tada, S., Kitamura, C and Akaike, T. Integrin-supported fast rate intracellular delivery of plasmid DNA by ECM protein embedded-calcium phosphate complexes. Biochemistry (USA), 2005, 44, 12273-8 (Impact factor 3.226). Total citations: 27

How many publications, in total, have you published?

More than **60** in the international journals of high repute

List any patents you have registered

1. E. H. Chowdhury, A. Maruyama and T. Akaike. Patent title: Gene-delivery Method. Provisional US Patent Application No. 60/425,291. Filing Date: 11/12/2002. PCT Application No. PCT/JP03/14376. Filing Date: 12/11/2003. PCT Publication Date: 27/05/2004; Patent No. WO 2004/043495. Japanese Patent Publication Date: 23/03/2006; Patent No. 2006-509838.
2. E. H. Chowdhury, F.T. Zohra and T. Akaike. Patent title: mRNA delivery with apatites. Japanese Patent Application No. 2005-252057. Filing Date: 31/08/2005.
3. E. H. Chowdhury and T. Akaike. Patent title: Mg^{2+}-inspired nano-apatite generation for high efficiency gene delivery into mammalian cells. Provisional US Patent Application No. 60/532,845. Filing Date: 12/26/2003. PCT Application No. PCT/JP2004/019549. Filing Date: 27/12/2004.
4. E. H. Chowdhury and T. Akaike. Patent title: Plasmid DNA delivery through integrin. Japanese Patent Application No. 2005-232504. Filing Date: 10/08/2005.
5. E. H. Chowdhury and T. Akaike. Patent title: Purification of plasmid DNA. Japanese Patent Application No. 2005-192605. Filing Date: 30/06/2005.
6. E. H. Chowdhury. Patent title: Bio-responsive nano-minerals for efficient therapeutic transport. Malaysian Patent Application (Pending).

4.2.26 Dr. Melanie Ooi

Institution	Monash University Malaysia
School/Department/Faculty	Engineering/Electrical and Computer Systems
Main Research Area(s)	Pattern recognition and machine intelligence; Electronic test and manufacturing technologies; Measurement
Name	Melanie Ooi
EMAIL	Melanie.ooi@monash.edu
URL	https://sites.google.com/site/melanieooi/

Give a brief description of your research interests and/or expertise

Fields of expertise:

1. Pattern recognition and machine intelligence
   a. Pattern recognition for Automatic Renal Fibrosis Quantification (with Sultanah Aminah Hospital)
   b. Computer Vision for Unstained Pathological Diagnosis (with Sultanah Aminah Hospital)
   c. Artificial Intelligence for Real-Time Flood Forecasting (with Civil Engineering)
   d. A Novel Decision Tree Algorithm: High Dimensional ADTree
   e. Sign Language Recognition and Synthesis (with Massey University, New Zealand and International Islamic University Malaysia)

2. Electronic test and manufacturing technologies
   a. Systematic Defect Detection and Production Data Analysis (with Freescale Semiconductor)
   b. Defect Recognition and Localization for Hard Disk Drives (with Western Digital)
   c. LED Test System (with Cohu Inc)

3. Measurement
   a. Algebraic Measurement Uncertainty Propagation Framework For Nonlinear Systems
   b. Novel Sensing Circuit for Bacteriorhodopsin Colour Image Sensor
   c. Illumination Distribution Measurement System for Modelling and Simulation of the Intelligent
   d. LED Lighting System
   e. Statistically Robust Phase Space Multisine Analysis for Nonlinearity Characterisation
   f. Light-based Vision Inspection System

List up to 10 of your most recent or most important papers, giving the full citation

1. R. Akmeliawati, D. Bailey, S. Demidenko, N. Gamage, S. Khan, Y.C. Kuang, M.P.-L. Ooi, G.S. Gupta, Assistive technology for relieving communication lumber between hearing/speech impaired and hearing people, IEE The Journal of Engineering, June 2014, 12p., DOI: 10.1049/joe.2014.0039, Online ISSN 2051-3305 (Open Access)
2. M.P.-L. Ooi, Y.C. Kuang, H. Cheng, E. K.J. Sim, S. Demidenko, C. Chan, Identifying Systematic Failures on Semiconductor Wafers Using ADCAS, IEEE Design and Test of Computers, Vol. 30, No. 5, pp. 44-53, 2013
3. C.S. Guan, Y.C. Kuang, M.P-L.Ooi, Throughput-Driven Condition-based maintenance for Frequently Reconfigured mass Production Equipment, International Journal of Advanced Manufacturing Technology, Vol. 65, No. 9-12, pp. 1349-1361, 2013
4. M.P.-L. Ooi, Y.C. Kuang, H. K. Sok, S. Demidenko, L. Kleeman, C. Chan, Defect Cluster Recognition System for Fabricated Semiconductor Wafers, Engineering Applications of Artificial Intelligence, Vol. 25, No. 3, pp. 1029-1043, 2013
5. M.S. Ong, Y.C. Kuang, M.P.-L. Ooi, Statistical Measures of Two Dimensional Point Set Uniformity, Computational Statistics and Data Analysis, Vol. 56, No. 6, pp 2159-2181, 2012
6. M.S. Ong, Y.C. Kuang, M.P.-L. Ooi, Multisine with Optimal Phase-Plane Uniformity for ADC Testing, IEEE Transactions on Instrumentation and Measurement, Vol. 61, No. 3, pp 566-578, 2012
7. M.P.-L. Ooi, E. K.J. Sim, Y.C. Kuang, S. Demidenko, L. Kleeman, C. Chan, Getting More from the Semiconductor Test: Data Mining with Defect Cluster Extraction, IEEE Transactions on Instrumentation and Measurement, Vol 60, No. 10, pp 3300-3317, 2011
8. M.S. Ong, Y.C. Kuang, M.P.-L. Ooi, S. Demidenko, P.S. Liam, Optimal Dual-Tone Frequency Selection Algorithm for ADC Frequency Domain Dynamic Tests, IEEE Transactions on Instrumentation and Measurement, Vol 60, No. 5, pp 1533-1545, 2011
9. Y.C. Kuang, M.P.-L. Ooi, Complex Feature Alternating Decision Tree, International Journal of Intelligent Systems Technologies and Applications, Vol. 9, No. 3/4, 2010, pp. 335-353, 2010
10. M.P.-L. Ooi, Z.A. Kassim and S. Demidenko, Shortening Burn-in Test: Application of HVST and Weibull Statistical Analysis, IEEE Transactions on Instrumentation and Measurement, Vol. 56, No. 3, June 2007, pp. 990-999,

How many publications, in total, have you published?

51

List any patents you have registered

0

4.2.27 Dr Meng Nan, Chong

Institution	Monash University Malaysia
School/Department/Faculty	Chemical Engineering Discipline, School of Engineering
Main Research Area(s)	Photocatalysis; Photoelectrocatalysis; Nanostructured Thin Films; Water Treatment; Water Supply and Integrated Water Resources Management
Name	Dr Meng Nan, Chong
EMAIL	Chong.Meng.Nan@monash.edu
URL	http://www.eng.monash.edu.my/about-us/who-we-are/academic-staff#/adminpanel/users/info.php?id=178 http://publicationslist.org/meng.chong

Give a brief description of your research interests and/or expertise

My main areas of expertise are (1) nanotechnology for water and energy conversion and (2) integrated water resources management. For the former area, my research interests are on the synthesis, characterization and application of photocatalysts and photoelectrocatalysts to resolve energy (i.e. solar to renewable hydrogen conversion) and environmental (i.e. water and environmental cleanup) concerns. At present, I am managing 5 PhD students in this area working actively to come up with various nanotechnological solutions. Meanwhile, for the latter area 2, my researches are focused on the effective utilization of alternative source waters, water characterization, monitoring and treatment, development of decentralized water systems and water footprints assessment of different industries. I also have 3 PhD students and 1 research assistant working actively in this area. In overview, my research group aims at addressing the critical urban water-energy issues at both the national and international levels.

List up to 10 of your most recent or most important papers, giving the full citation

1. Tao Zhu, Meng Nan Chong*, Eng Seng Chan (2014) Nanostructured Tungsten Trioxide (WO_3) Thin Films Synthesized for Photoelectrocatalytic Water Oxidation: A review ChemSusChem (Publisher: Wiley) (In Press): [ISI Impact Factor: 7.117].
2. Meng Nan Chong*, Ashok Sharma, Stewart Burn, Christopher Saint (2012) Feasibility Study in the Application of Advanced Oxidation Technologies for Decentralised Wastewater

Treatment Journal of Cleaner Production 35: 230-238. November 2012 [Impact Factor: 3.590].

3. Meng Nan Chong*, Bo Jin (2012) Photocatalytic Treatment of High Concentration Carbamazepine in Synthetic Hospital Wastewater Journal of Hazardous Materials 199-200: 135-142 January 2012 [Impact Factor: 4.331].
4. Jatinder Sidhu, Leonie Hodgers, Warish Ahmed, Meng Nan Chong*, Simon Toze (2012) Prevalence of Human Pathogens and Indicators in Stormwater Runoff in Brisbane, Australia Water Research 46(20): 6652-6660 December 2012 [Impact Factor: 5.323].
5. Giuseppe Laera, Meng Nan Chong*, Bo Jin, Antonio Lopez (2011) An Integrated MBR-TiO2 Photocatalysis Process for the Removal of Carbamazepine from Simulated Pharmaceutical Industrial Effluent Bioresource Technology 102: 13. 7012-7015 July 2011 [Impact Factor: 5.039].
6. Meng Nan Chong*, Bo Jin, Christopher W K Chow, Chris Saint (2010) Recent Developments in Photocatalytic Water Treatment Technology: A Review Water Research 44: 10. 2997-3027 May 2010 [Impact Factor: 5.323].
7. Meng Nan Chong*, H Y Zhu, Bo Jin (2010) Response Surface Optimization of Photocatalytic Process for Degradation of Congo Red Using H-Titanate Nanofiber Catalyst Chemical EngineeringJournal 156: 2. 278-285 January 2010 [Impact Factor: 4.058].
8. Meng Nan Chong*, Bo Jin, Christopher W K Chow, Chris P Saint (2009) A New Approach to Optimise an Annular Slurry Photoreactor System for the Degradation of Congo Red: Statistical analysis and Modelling Chemical Engineering Journal 152: 1. 158-166 October 2009 [Impact Factor: 4.058].
9. Meng Nan Chong*, Bo Jin, H Y Zhu, C W K Chow, Chris Saint (2009) Application of H-Titanate Nanofibers for Degradation of Congo Red in an Annular Slurry Photoreactor Chemical Engineering Journal 150: 1. 49-54 July 2009 [Impact Factor: 4.058].
10. Meng Nan Chong*, Vipasiri Vimonses, Shaomin Lei, Bo Jin, Chris Chow, Chris Saint (2009) Synthesis and Characterisation of Novel Titania Impregnated Kaolinite Nano-Photocatalyst Microporous and Mesoporous Materials 117: 1-2. 233-242 January 2009 [Impact Factor: 3.209].

How many publications, in total, have you published?

> 100 publications in invited book chapters, journal and conference papers, as well as client consultancy reports.

List any patents you have registered

No patent has been registered so far, but there is one Malaysian patent will be filed in 2015.

4.2.28 Professor Nathorn Chaiyakunapruk

Institution	Monash University Malaysia
School/Department/Faculty	School of Pharmacy
Main Research Area(s)	Health Technology Assessment Health economics Economic modeling Systematic review and meta-analysis Network meta-analysis Patient-level data analysis Health system and policy research
Name	Prof. Nathorn Chaiyakunapruk
EMAIL	nathorn.chaiyakunapruk@monash.edu
URL	

Give a brief description of your research interests and/or expertise

Professor Nathorn is best known for his research expertise in Health Technology Assessment, health economics, health outcomes research, and health system and policy research. He applied systematic review, meta-analysis, and economic modeling to assess health technology.

List up to 10 of your most recent or most important papers, giving the full citation

1. Chaiyakunapruk N, Veenstra DL, Lipsky B, Saint S. Chlorhexidine versus Povidone- Iodine Solution For Vascular Catheter-site Care: A Meta-analysis. Annals of Internal Medicine 2002;136(11):792-801
2. Chaiyakunapruk N, Veenstra DL, Lipsky BA, Sullivan SD, Saint S. Clinical and economic benefits of Chlorhexidine versus povidone-iodine solution for vascular catheter site care. Clinical Infectious Disease 2003;37:764-71.
3. Chaiyakunapruk N, Kitikannakorn N, Nathisuwan S, Leeprakobkul K, Leelasettakul C. The efficacy of ginger for the prevention of postoperative nausea and vomiting: a meta-analysis. American Journal of Obstetric and Gynecology 2006;194:95–99.
4. Thavorn K, Chaiyakunapruk N A cost-effectiveness analysis of a community-based smoking cessation program in Thailand. Tobacco control 2008;17:177-182.
5. Saokaew S, Permsuwan U, Chaiyakunapruk N, Nathisuwan S, Sukonthasarn A Effectiveness of Pharmacist-Managed Warfarin Therapy: a Systematic Review and Meta- analysis Journal of Thrombosis and Haemostasis 2010;8(11):2418-2427.

6. Chaiyakunapruk N, Somkrua R, Hutubessy R, Henao AM, Hombach J, Melegaro A, Edmunds J, Beutels P. Cost-effectiveness of Pneumococcal Conjugate Vaccines (PCV): A comparative assessment of decision making tools. BMC Medicine 2011, 9:53 doi:10.1186/1741-7015-9-53
7. Nathisuwan S, Dilokthornsakul P, Chaiyakunapruk N, Morarai T, Yodting T, Piriyachananusorn N. Assessing Evidence of Interaction between Smoking and Warfarin: A Systematic Review. Chest 2011;139(5):1130-9.
8. Tangamornsuksan W, Chaiyakunapruk N, Somkrua R, Lohitnavy M, Tassaneeyakul W. Association of HLA-B*1502 Allele and Carbamazepine-induced Stevens-Johnson Syndrome and Toxic Epidermal Necrolysis: a Systematic Review and Meta-analysis. JAMA Dermatology 2013;149(9):1025-32
9. Lai NM, Chaiyakunapruk N, Lai NA, O'Riordan E, Pau WS, Saint S. Catheter impregnation, coating or bonding for reducing central venous catheter-related infections in adults. Cochrane Database of Systematic Reviews 2013 , Issue 6 (In Press)
10. Saokaew S, Tassaneeyakul W, Maenthaisong R, Chaiyakunapruk N. Cost-Effectiveness Analysis of HLA-B*5801 Testing in Preventing Allopurinol-induced SJS/TEN in Thailand Plos One 2014 9(4): e94294. doi:10.1371/journal.pone.0094294

4.2.29 Dr.Ooi Ean Hin

Institution	Monash University Malaysia
School/Department/Faculty	School of Engineering (Mechanical Discipline)
Main Research Area(s)	Computational modelling of biophysical problems
Name	Ooi Ean Hin
EMAIL	ooi.ean.hin@monash.edu
URL	http://www.eng.monash.edu.my/about-us/who-we-are/academic-staff#/adminpanel/users/info.php?id=202

Give a brief description of your research interests and/or expertise

My main research interest is in applying mathematical and computational modelling techniques to study different biophysical problems, with emphasis on bioheat transfer and biofluid dynamics. Because experimental studies on some of these problems are nearly impossible due to various reasons, mathematical and computational modelling approaches present a viable alternative to understand these problems. Some of the research problems that I have investigated include heat transfer inside the human eye, thermal ablation of cancer and the mechanics of attached human sperm. Currently, I am looking into the ocular biomechanical interactions during the formation of glaucoma and the saline-infused radiofrequency ablation. The former involves collaboration with researchers from Nanyang Technological University, Singapore and University of Malaya, while the latter involves collaboration with another lecturer from Monash's School of Medicine and University of Malaya.
I also retain an interest in the development of numerical methods based on integral equations for solving engineering problems.

List up to 10 of your most recent or most important papers, giving the full citation

1. EH Ooi, DJ Smith, H Gadelha, EA Gaffney, J Kirkman-Brown, The mechanics of hyperactivation inadhered human sperm, Royal Society Open Science, Accepted for publication, 2014.
2. EH Ooi, V Popov, Transformation thermodynamics for heat flux management using segmented cloaks.European Physical Journal Applied Physics, 2013, vol. 63 (1), pp. 10903
3. EH Ooi, V Popov, A simplified approach for imposing the boundary conditions in the local boundary integral equation method. Computational Mechanics, 2013, vol.51 (5), pp. 717-

729.
4. EH Ooi, V Popov, An efficient implementation of the radial basis integral equation method. Engineering Analysis with Boundary Elements, 2012, vol. 36 (5), pp. 716-726.
5. EH Ooi, Ng, EYK, Ocular surface temperature: A mathematical perspective. Journal of Mechanics in Medicine and Biology, 2009, vol. 9 (2), pp. 199-227.
6. EH Ooi, WT Ang, Ng, EYK, A boundary element model for investigating the effects of eye tumor on the temperature distribution inside the human eye. Computers in Biology and Medicine, 2009, vol. 39 (8), pp.667-677.
7. EH Ooi, WT Ang, EYK Ng, A boundary element model of the human eye undergoing laser-thermokeratoplasty. Computers in Biology and Medicine, 2008, vol. 38 (6), pp. 727-737.
8. EH Ooi, EYK Ng, Simulation of aqueous humor hydrodynamics in human eye heat transfer. Computers in Biology and Medicine, 2008, vol. 38 (2), pp. 252-262.
9. EH Ooi, WT Ang, EYK Ng, Bioheat transfer in the human eye: A boundary element approach.Engineering Analysis with Boundary Elements, 2007, vol. 31 (6), pp. 494-500.
10. EYK Ng, EH Ooi, FEM simulation of the eye structure with bioheat analysis. Computer Methods and Programs in Biomedicine, 2006, vol. 82 (3), pp. 268-276.

How many publications, in total, have you published?

26 journal papers, 10 conference proceedings, 8 book chapters

List any patents you have registered

0

4.2.30 Professor Pervaiz K Ahmed

Institution	Monash University Malaysia
School/Department/Faculty	Management Discipline, School of Business
Main Research Area(s)	Management of Innovation, Strategy Implementation and Internal Marketing, Business Governance and Ethics, CSR, Business Process Management, and Performance Measurement.
Name	Professor Pervaiz K Ahmed
EMAIL	pervaiz.ahmed@monash.edu
URL	http://www.buseco.monash.edu.my/school-staff/Pervaiz-K-Ahmed-Prof-Profile.html

Give a brief description of your research interests and/or expertise

Prof Pervaiz K Ahmed is the Deputy Head of School (Research), Discipline Head of Management and Director of Halal Ecosystem in Monash University Malaysia. Previously he has held academic positions in several UK universities. He has published extensively in international journals, has been a keynote speaker at international venues and won numerous academic awards for his research. He is the founding editor of the European Journal of Innovation Management, the International Journal of Management Concepts and Philosophy, International Journal of Business Ethics and Governance and International Journal of Management Practice. He has extensive experience working with and advising blue chip companies and public sector organizations such as Unilever, Ford, AT&T, NCR, British Telecommunications, NHS in Europe, the Dubai government as well as the Islamic Development Bank. He has also been involved with corporate clients in Asia such as Malaysia Airlines, CELCOM, as well as government agencies such as the Singapore National Productivity Council.

List up to 10 of your most recent or most important papers, giving the full citation

1. Chong, Y.S. and Ahmed, P. K. (2014) "Student Motivation and the 'Feel Good' Factor: An Empirical Examination of Motivational Predictors of University Service Quality Evaluation", Studies in Higher Education, 18(1), pp. 35-57. (ERA ranking 'A*')
2. Soltani, E., Ahmed, P. K., Liao, Y.Y. and Anosike, P. (2014), "Qualitative middle-range research in operations management: the need for theory-driven empirical inquiry",

International Journal of Operations and Production Management, 34(8). (ERA ranking: A)
3. Chong, Y.S. and Ahmed, P.K. ,(2012), "The effect of motivation upon service quality evaluation: A self-determination theory perspective", Quality in Higher Education, 18(1), pp.35-57. (ERA ranking: A)
4. Wang, Y. and Ahmed, P. K. (2009), "The moderating effect of the business strategic orientation on e-commerce adoption: evidence from UK family run SMEs", Journal of Strategic Information Systems, 18(1), pp.16-30. (ERA ranking: A)
5. Wang, C.L., Hult, G. T., Ketchen Jr, D. and Ahmed, P. K. (2009), "Knowledge management orientation, market orientation and firm performance: An integration and empirical examination", Journal of Strategic Marketing, 17(2), pp.99-122. (ERA ranking: A)
6. Wang, C. L., Ahmed, P. K., Rafiq, M. (2008),"Knowledge Management Orientation: Construct Development and Empirical Validation", European Journal of Information Systems, 17(3), pp.219-236. (ERA ranking: A*)
7. Machold, S., Ahmed, P. K. and Farquhar, S. (2008),"Corporate governance and ethics: a feminist perspective", Journal of Business Ethics, 81, pp. 665-678. (ERA ranking: A)
8. Wang, C. and Ahmed, P.K. (2007), "Dynamic Capabilities: A Review and Research Agenda",International Journal of Management Reviews, 9(1), pp.31-51. (ERA ranking: A)
9. Ahmed, P. K., Rafiq, M., and Mat-Saad, N., (2003), "Commentary: Internal Marketing Issues and Challenges", European Journal of Marketing, Vol .37, No.9, pp. 177-1186. (ERA ranking: A*)
10. Ahmed, P. K., Rafiq, M., and Matsaad, N., (2003), "Internal Marketing and the Mediating Role of Organisational Competencies", European Journal of Marketing, Vol. 37, No.9, pp. 221-1241. (ERA ranking: A*)

How many publications, in total, have you published?

Books 5, Chapters 10, Refereed Articles 100+, and Refereed Conference Proceedings 95.

List any patents you have registered

None.

4.2.31 Dr.Poh Phaik Eong

Institution	Monash University Malaysia
School/Department/Faculty	School of Engineering
Main Research Area(s)	Water and wastewater treatment
Name	Poh Phaik Eong
EMAIL	poh.phaik.eong@monash.edu
URL	-

Give a brief description of your research interests and/or expertise

My research interests are mainly focused on the treatment of Palm Oil Mill Effluent (POME) and greywater (household wastewater) but not limited to these sources. For POME treatment, my current interest is to develop a robust control system and automate a thermophilic anaerobic POME treatment process. As for greywater, my current focus is on the development of biodegradable membrane for decentralized greywater treatment.
I also look into various technologies that can be implemented to improve the POME treatment process and development of decentralized greywater treatment units to produce water that can be reused for non-potable activities.

List up to 10 of your most recent or most important papers, giving the full citation

1. P.E. Poh, M.F. Chong. Upflow anaerobic sludge blanket-hollow centered packed bed (UASB-HCPB) reactor for thermophilic palm oil mill effluent (POME) treatment. Biomass and Bioenergy 67 (2014), pp 231-242.
2. P.E. Poh, W.Y.J. Ong, E.V. Lau, M.N. Chong. Investigation on micro-bubble flotation and coagulation for the treatment of anaerobically treated palm oil mill effluent (POME). Journal of Environmental Chemical Engineering 2 (2014), pp. 1174-1181.
3. E.V. Lau, S. Gan, H.K. Ng, P.E. Poh. Extraction agents for the removal of polycyclic aromatic hydrocarbons (PAHs) from soil in soil washing technologies. Environmental Pollution 184 (2014), pp. 640- 649.
4. C.S.C. Chiew, P.E. Poh, P. Pasbakhsh, B.T. Tey, H.K. Yeoh, E.S. Chan. Physicochemical Characterization of Halloysite/Alginate Bionanocomposite Hydrogel. Applied Clay Sciences (2014). (Accepted for publication)

5. P.E. Poh, X.Y. Teh, M.N. Chong, E.V. Lau, D. Gouwanda. Light greywater treatment using continuous aerobic and hydrogen peroxide disinfection: Effect of HRT. 13th International Conference on Urban Drainage (2014), Kuching, Sarawak
6. W.C., Kau, S.K. Chin, D.T. Tan, P.E. Poh. Drying Characteristics and Quality Evaluation of Mixed Culture Mesophilic Sludge under Hot Air and Heat Pump Drying Method. International Drying Symposium (2014), Lyon, France.
7. M.J. Chin, P.E. Poh, B.T. Tey, E.S. Chan, K.L. Chin. Biogas from palm oil mill effluent (POME): Opportunities and challenges from Malaysia's perspective. Renewable and Sustainable Energy Reviews 26 (2013), pp. 717-726.
8. P.E. Poh, M.F. Chong. Biomethanation of Palm Oil Mill Effluent (POME) with a thermophilic mixed culture cultivated using POME as a substrate. Chemical Engineering Journal 164 (2010), pp. 146-154.
9. P.E. Poh, W.-J. Yong, M.F. Chong. Palm Oil Mill Effluent (POME) Characteristic in High Crop Season and the Applicability of High-Rate Anaerobic Bioreactors for the Treatment of POME. Industrial & Engineering Chemistry Research 49 (2010), pp. 11732-11740.
10. P.E. Poh, M.F. Chong. Development of anaerobic digestion methods for palm oil mill effluent (POME) treatment. Bioresource Technology 100 (2009), pp. 1-9.

How many publications, in total, have you published?

15

List any patents you have registered:

N/A

4.2.32 Dr.Pooria Pasbakhsh

Institution	Monash University Malaysia
School/Department/Faculty	Engineering/Mechanical
Main Research Area(s)	Polymer nanocomposites
Name	Pooria Pasbakhsh
EMAIL	Pooria.pasbakhsh@monash.edu
URL	http://www.eng.monash.edu.my/about-us/who-we-are/academic-staff#/adminpanel/users/info.php?id=152 https://sites.google.com/site/fibrecomposites/

Give a brief description of your research interests and/or expertise

1- Polymer nanocomposites

2- Halloysite nanotubes

3- Electrospinning

4- Sustainable engineering

5- Bionanocomposites

List up to 10 of your most recent or most important papers, giving the full citation

1. Soheilmoghaddam, Mohammad; Pasbakhsh, Pooria; Wahit, Mat Uzir; Bidsorkhi, Hossein Cheraghi; Pour, Raheleh Heidar; Whye, Wong Tuck; De Silva, RT. Regenerated cellulose nanocomposites reinforced with exfoliated graphite nanosheets using BMIMCL ionic liquid. Volume 55, Issue 14, 19 June 2014, Pages 3130–3138.
2. Vahdat Vahedi, Pooria Pasbakhsh. Instrumented impact properties and fracture behaviour of epoxy/modified halloysite nanocomposites. Volume 39, October 2014, Pages 101–114.
3. K. Govindasamy, C. Fernandopulle, C; P. Pasbakhsh, Goh Kheng Lim. Synthesis and characterization of electrospun chitosan membranes reinforced by halloysite nanotubes. Journal of Mechanics in Medicine and Biology. Volume 14, Issue 04, August 2014
4. Rangika De Silva, P. Pasbakhsh, Goh Kheng Lim, Chai Siang Piao and J Chen. Synthesis and characterisation of poly (lactic acid)/halloysite bionanocomposite films. Journal of Composite Materials. DOI: 10.1177/0021998313513046

5. P. Pasbakhsh, J.G. Churchman, J. Keeling. Characterisation of properties of various halloysites relevant to their use as nanotubes and microfibre fillers. Journal of Applied Clay Science, Volume 74, April 2013, Pages 47–57.
6. Rangika De Silva, P. Pasbakhsh, Goh Kheng Lim, Chai Siang Piao. Physio-chemical properties of Chitosan/halloysite membrane composites. Journal of Polymer Testing. Volume 32, Issue 2, April 2013, Pages 265–271.
7. M. Syukran Alhelmy Seri Buana, P. Pasbaskhsh, Kheng Lim Goh, F.Bateni, Mas R. H. Mas Haris. Elasticity, microstructure and thermal stability of foliage and fruit fibres from four tropical crops. Fibers and Polymers 14 (4), 623-629.
8. P. Pasbakhsh, H. Ismail, M.N. Ahmad Fauzi, A. Abu Bakar, EPDM/modified halloysite nanocomposites, Applied Clay Science 2010, 48 405–413.
9. P. Pasbakhsh, H.Ismail, M.N. Ahmad Fauzi, A.Abu Bakar. Influence of maleic anhydride grafted ethylene propylene diene monomer (MAH-g-EPDM) on the properties of EPDM nanocomposites reinforced by halloysite nanotubes. Polymer Testing 2009; 28: 548–559.
10. H.Ismail, P. Pasbakhsh, M.N. Ahmad Fauzi and A.Abu Bakar. Morphological, thermal and tensile properties of ethylene propylene diene monomer (EPDM) nanocomposites filled by halloysite nanotubes. Polymer Testing 2008; 27(7):841-850.

How many publications, in total, have you published?

More than 30

List any patents you have registered

4.2.33 Dr. R. Nagasundara Ramanan

Institution	Monash University Malaysia
School/Department/Faculty	Engineering
Main Research Area(s)	Biomolecular Engineering, Bioprocess Optimization, Interaction of biomolecules, Process analytical technology
Name	Dr. R. Nagasundara Ramanan
EMAIL	ramanan@monash.edu
URL	http://scholar.google.com/citations?user=nWTnItQAAAAJ

Give a brief description of your research interests and/or expertise

A main aim of our research group is to develop, integrate and optimize a process which spreads broadly into fermentation, bioseparation, natural product extraction, biomolecular engineering and process analytical technology. In particular, our research group have been working in the following specific area:

1. Process analytical technology using technique such as surface acoustic wave, surface plasmon resonance
2. Production of proteins via periplasm of Escherichia coli
3. Cell disruption
4. Aqueous two phase system
5. Natural coagulant
6. Bioactive compound

Some of the products which we have worked in the above mention specific area are pharmaceutical proteins such as interferon-alpha2b, Epidermal growth factor, enzymes such as Lipase, natural product such as brown mango. I am proud to mention that our group is one of the first groups in Malaysia who published the work using surface plasmon resonance and I have been constantly invited to disseminate the knowledge on this technique.

List up to 10 of your most recent or most important papers, giving the full citation

1. Tee LH, Yang B, Nagendra KP, Ramanan RN, Sun J, Chan ES, Tey BT, Azlan A, Ismail A, Lau CY et al: Nutritional compositions and bioactivities of Dacryodes species: A review. Food Chemistry 2014, 165:247- 255.
2. Rosti IA, Ramanan RN, Tan JS, Ling TC, Ariff AB: Recovery of Microquantities of Human Epidermal Growth Factor from Escherichia coli Homogenate and Pichia pastoris Culture Medium using Expanded Bed Adsorption. Separation Science and Technology 2014, 49(5):702-708.

3. Raksha S, Tan WS, Hamid M, Ramanan RN, Tey BT: A Single-Step Purification of the Glycoprotein of Nipah Virus Produced in Insect Cells using an Anion Exchange Chromatography Method. Separation Science and Technology (Philadelphia) 2014, 49(2):249-257.
4. Chang CC, Tey BT, Song J, Ramanan RN: Towards more accurate prediction of protein folding rates: a review of the existing web-based bioinformatics approaches. Briefings in bioinformatics 2014.
5. Bing CY, Mohanan AA, Saha T, Ramanan RN, Parthiban R, Ramakrishnan N: Microfabrication of surface acoustic wave device using UV LED photolithography technique. Microelectronic Engineering 2014, 122:9-12.
6. Rosti IA, Ramanan RN, Tau Chuan L, Ariff AB: Assessment of molecular recognition element for the quantification of human epidermal growth factor using surface plasmon resonance. Electronic Journal of Biotechnology 2013, 16(6).
7. Choy SY, Prasad KMN, Wu TY, Ramanan RN: A review on common vegetables and legumes as promising plant-based natural coagulants in water clarification. Int J Environ Sci Technol 2013:1-24.
8. Chang CC, Song J, Tey BT, Ramanan RN: Bioinformatics approaches for improved recombinant protein production in Escherichia coli: protein solubility prediction. Briefings in bioinformatics 2013.
9. Nelofer R, Ramanan RN, Rahman RNZRA, Basri M, Ariff AB: Comparison of the estimation capabilities of response surface methodology and artificial neural network for the optimization of recombinant lipase production by E. coli BL21. Journal of Industrial Microbiology and Biotechnology 2012, 39(2):243-254.
10. Prasad KN, Hassan FA, Yang B, Kong KW, Ramanan RN, Azlan A, Ismail A: Response surface optimisation for the extraction of phenolic compounds and antioxidant capacities of underutilised Mangifera pajang Kosterm. peels. Food Chemistry 2011, 128(4):1121-1127.

How many publications, in total, have you published?

More than 40 publications

List any patents you have registered

No

4.2.34 Professor S. G. Ponnambalam

Institution	Monash University Malaysia
School/Department/Faculty	Engineering/Mechatroics/Engineering
Main Research Area(s)	Optimization, Scheduling manufacturing systems, Meta-heuristics, Evolutionary Computation, Swarm Robotics, Green manufacturing
Name	Professor S. G. Ponnambalam
EMAIL	sgponnambalam@monash.edu
URL	http://www.eng.monash.edu.my/about-us/who-we-are/academic-staff#/adminpanel/users/info.php?id=3#tabs-6

Give a brief description of your research interests and/or expertise

Optimizing the performance of any system is very important in an environment with scarce resource. A model of the real system should be developed and the model will be solved to get the parameters that could optimize the performance of the system.
If we want the 'optimum' results, then there optimization solvers, such as LINGO are available to solve the model and to get the optimum solution. Most of the time, optimum solution may not be of interest. Then meta-heuristic algorithms are very much useful to get nearer-to-optimal solution.

My expertise in the application of meta-heuristic algorithms includes the following problems:

- Balancing Robotic/Worker Assembly line Systems
- Energy Optimization in Assembly line systems
- Flexible Assembly Line systems
- Machining parameter optimization
- Trajectory control and obstacle avoidance in mobile robots
- Swarmrobotics
- Green manufacturing

List up to 10 of your most recent or most important papers, giving the full citation

1. WCE Lim, G Kanagaraj, SG Ponnambalam, A hybrid cuckoo search-genetic algorithm for hole-making sequence optimization, Journal of Intelligent Manufacturing, 1-13, 2014, In Press (Online published: January 2014. DOI: 10.1007/s10845-014-0873-z)
2. IJ Leno, SS Sankar, SG Ponnambalam, An elitist strategy genetic algorithm using simulated

annealing algorithm as local search for facility layout design, The International Journal of Advanced Manufacturing Technology, 1-13, In Press, 2014 (Online published, DOI:10.1007/s00170-013-5519-3).

3. G. Kanagaraj, S. G. Ponnambalam, N. Jawahar, Reliability-based total cost of ownership approach for supplier selection using cuckoo-inspired hybrid algorithm, The International Journal of Advanced Manufacturing Technology, In Press, 2014 (Online published: January 2014, DOI:10.1007/s00170-013- 5545-1).
4. GV Chakaravarthy, S Marimuthu, SG Ponnambalam , G Kanagaraj. Improved sheep flock heredity algorithm and artificial bee colony algorithm for scheduling m-machine flow shops lot streaming with equal size sub-lot problems, International Journal of Production Research 52 (5), 1509-1527, 2014.
5. G Kanagaraj, SG Ponnambalam, N Jawahar, JM Nilakantan, An effective hybrid cuckoo search and genetic algorithm for constrained engineering design optimization, Engineering Optimization, 46 (10), 1331-1352, 2014.
6. LWH Vincent, SG Ponnambalam, A differential evolution-based algorithm to schedule flexible assembly lines, Automation Science and Engineering, IEEE Transactions on 10 (4), 1161-1165, 2013.
7. IJ Leno, SS Sankar, MV Raj, SG Ponnambalam , An elitist strategy genetic algorithm for integrated layout design, The International Journal of Advanced Manufacturing Technology 66 (9-12), 1573-1589, 2013.
8. Goh Shyh and S.G. Ponnambalam, Obstacle avoidance control of redundant robots using variants of particle swarm optimization, Robotics and Computer-Integrated Manufacturing, Volume 28, Issue 2, April 2012, Pages 147–153, 2012.
9. G Sue-Ann, SG Ponnambalam, N Jawahar , Evolutionary algorithms for optimal operating parameters of vendor managed inventory systems in a two-echelon supply chain, Advances in Engineering Software, vol52, pp.47-54, 2012.
10. Yogeswaran Mohan and S.G. Ponnambalam, Reinforcement learning: exploration–exploitation dilemma in multi-agent foraging task, OPSEARCH, 49, 3, 223-236, 2012.

How many publications, in total, have you published?

More than 200

List any patents you have registered

Nil

4.2.35 Dr.Sadequr Rahman

Institution	Monash University Malaysia
School/Department/Faculty	School of Science
Main Research Area(s)	Genetics and genomics of tropical organisms.
Name	Sadequr Rahman
EMAIL	Sadequr.rahman@monash.edu
URL	http://www.sci.monash.edu.my/staff/Professor-Sadequr-Rahman.html

Give a brief description of your research interests and/or expertise

My interest is in the genetics, metagenomics and genomics of tropical organisms. In terms of rice we are interested in genes and genomics that affect grain utilization and productivity. For birds we are interested in population genetics for conservation and natural history. I am also developing interests in other tropical organisms, including bacteria.

List up to 10 of your most recent or most important papers, giving the full citation

1. Krzeminska U, Wilson R, Rahman S, Song BK, Gan HM, Tan MH, Austin CM (2014) The complete mitochondrial genome of the invasive house crow Corvus splendens (Passeriformes: Corvidae). Mitochondrial DNA (in press).
2. Fujiwara M., Suzuki G, Kudo D, Oba H, Wada Y, Wada H, Wada N, Rahman S, Fukui K and Mukai Y (2014). Localization of transgene-derived friabilins in rice endosperm cells. Plant Biotechnology 31,67-70
3. Zaplin E, Liu Q, Li Z, Blanchard C, Rahman S. (2013). Alteration of rice oil composition through targeting FAD2 gene. Functional plant biology 40, 996-1004. http://dx.doi.org/10.1071/FP12301
4. Fitzgerald MA, Rahman S, Resurreccion AP , Concepcion J, Daygon VD, Dipti SS, Kabir, KA, Klingner B, Morell MK, Bird, AR (2011) Identification of a Major Genetic Determinant of Glycaemic Index in Rice. RICE 4 (2)66-74 DOI: 10.1007/s12284-011-9073-z.
5. Butardo, VM ,Fitzgerald, MA ; Bird, AR; Gidley, MJ; Flanagan, BM ; Larroque, O; Resurreccion, AP; Laidlaw, HKC Jobling, SA, Morell, M; Rahman, S (2011) Impact of down-regulation of starch branching enzyme IIb in rice by artificial microRNA- and hairpin RNA-mediated RNA silencing. JOURNAL OF EXPERIMENTAL BOTANY Volume: 62: 4927-4941

DOI: 10.1093/jxb/err188

6. Regina A, Li Z, Rahman S, Morell M.(2010). Control of starch branching in barley defined through differential RNAi suppression of starch branching enzyme IIa and IIb. J Exp Bot 61: 1469-1482
7. Kosar-Hashemi, B, Ikea J,Yamamori, M, Li, Z,Morell, M, Rahman, S (2007) Multiple effects of the SGP-1 mutation in developing wheat endosperm . Functional Plant Biology 34, 431-438 2.
8. Regina A, Bird A, Topping D, Bowden S, Freeman J, Barsby T, Kosar-Hashemi B, Li ZY, Rahman S, Morell M. (2006). High-amylose wheat generated by RNA interference improves indices of large-bowel health in rats. Proc. Natl. Acad. Sci. USA. 103 (10), 3546-3551.
9. Chantret,N, Salse J, Sabot F, Rahman S, Bellec A, Laubin B, Ivan Dubois I, Dossat C, Sourdille P, Joudrier P, Gautier MF, Cattolico L, Beckert M, Sébastien Aubourg S, Weissenbach J, Caboche M, Bernard M, Leroy P, and Chalhoub B, Polyploidy-related evolution mechanisms at the Hardness (Ha) locus of wheat species (Triticum and Aegilops) (2005). Plant Cell 17,1033- 1045.
10. Kubo, A., Rahman S., Li Z, Mukai Y, Yamamoto M, Utsumi Y, Ugaki M, Harada K, Satoh H, Morell M, and Nakamura Y (2005). Isoamylase is Essential for Amylopectin Biosynthesis in Plants: Complementation of sugary-1 Phenotype in Rice Endosperm with the Wheat Isoamylase1 Gene. Plant Physiology 137: 43-56

How many publications, in total, have you published?

75 (refereed journals).

List any patents you have registered

10 (in earlier employment).

4.2.36 Dr. Santha Vaithilingam

Institution	Monash University Malaysia
School/Department/Faculty	Department of Econometrics and Business Statistics, School of Business
Main Research Area(s)	Applied Econometrics, Behavioral economics and Technology adoption models
Name	Associate Professor Santha Vaithilingam
EMAIL	Santha.vaithilingam@monash.edu
URL	http://www.buseco.monash.edu.my/school-staff/Santha-Vaithilingam-Assoc.-Prof.html

Give a brief description of your research interests and/or expertise

My research interests are in applied econometrics, behavioral research and development economics. I am currently pursuing research on modeling human behavior pertaining to the adoption and use of technologies in organizations and society using advanced econometrics techniques. I am interested in various types of technology with particular interest in information and communication technologies and social networks. I am also involved in a project on assessing the knowledge content of firms in Malaysia. Jointly working with Centre of Policy Studies, Monash University Australia, I assisted in the development of the Malaysian Dynamic Computable General Equilibrium model for macroeconomic and industrial policy formulation for the Ministry of Finance, Malaysia.

List up to 10 of your most recent or most important papers, giving the full citation

1. Crosling, G, Nair, M and Vaithilingam, S (2014), "Creative learning ecosystem and innovative capacity: the perspective from higher education", Studies in Higher Education, http://dx.doi.org/10.1080/03075079.2014.881342
2. Liew, E.J.Y.L, Vaithilingam, S., and Nair, M. (2014), "Facebook and Socio-economic Benefits in the Developing World," Behaviour and Information Technology, Vol 33, Issue 4, pp.345-360.
3. Nair, M. and Vaithilingam, S. (2013), "Leap-frogging the Urban-Poor to a High Income Economy: A Case Study From a Developing Country," Journal of Emerging Economies and Islamic Research, Volume 1, Number 2, 1-27.
4. Vaithilingam, S.; Nair, M., and Krishnan Guru, B.(2013) "Do Trust and Security matter for the Development of M-Banking? Evidence from a Developing Country", Journal of Asia-

Pacific Business Volume 14 Issue 1.
5. Vaithilingam, S. and Nair, M. (2009), "Mapping Global Money laundering Trends: Lessons for Pace Setters", Research in International Business and Finance, Vol. 23 Issue 1.
6. Samudram, M., Nair, M. and Vaithilingam, S. (2009), "Keynes versus Wagner on Government Expenditures and Economic Development: The Case of a Developing Economy", Empirical Economics, Vol. 36, Issue 3.
7. Vaithilingam, S., Nair, M., and Thangaraju, T., "Managing money laundering in a digital economy", Accepted to the Journal of Asia-Pacific Business. Forthcoming .
8. Vaithilingam, S., Nair, M. and Samudram M.,(2010) "Trade Liberalization, Financial Deepening and Economic Growth in a Large Developing Economy: The Case of India" Economic Bulletin, Vol 11, December.
9. Nair, M., Samudram, M., and Vaithilingam, S. (2008), "Malaysian Money Demand Function Revisited: the ARDL Approach", Journal of Asia Pacific Business, Vol. 9, Issue 2.
10. Vaithilingam, S. and Nair, M. (2007), "The Factors Affecting the Pervasiveness of Money Laundering: Lessons for Developing Countries", Journal of Money Laundering and Control, Vol. 10, Issue 3 (ISSN:1368-5201)

How many publications, in total, have you published?

>37 papers including conference proceedings and book chapters

List any patents you have registered

0

4.2.37 Dr.Satoshi Ogawa

Institution	Monash University Malaysia
School/Department/Faculty	School of Medicine/Brain Research Institute
Main Research Area(s)	Neuroscience
Name	Satoshi Ogawa
EMAIL	Satoshi.ogawa@monash.edu
URL	

Give a brief description of your research interests and/or expertise

Drug abuse and addiction remain great challenges to public health agendas in the world. It represents a complex brain disorders characterized by compulsive drug use that can lead to dysregulation of brain regions mediating reward and stress. A major problem in treating drug addiction is the withdrawal syndrome, which can lead to unwanted relapse. Current medications available to treat drug withdrawal and to prevent relapse involves administration of stimulant-like medications, however these candidate medicine reported possess high abuse liability. The negative emotional state of drug withdrawal and the emotional memories of protracted abstinence are hypothesized to combine to exacerbate relapse and the addiction process. The emergence of depressive symptoms, including social withdrawal, is considered a main cause for relapse, but underlying mechanisms are poorly understood. My current research aims is to understand the neural mechanism linking emotion and addiction utilizing molecular morphology, optogenetics and neuroimaging approaches.

List up to 10 of your most recent or most important papers, giving the full citation

1. Ogawa S, Nathan FM, Parhar IS (2014) Habenular kisspeptin modulates fear in the zebrafish. Proc Natl Acad Sci U S A 111(10):3841-6.
2. Ogawa S, Ng KW, Ramadasan PN, Nathan FM, Parhar IS (2012) Habenular Kiss1 Neurons Modulate the Serotonergic System in the Brain of Zebrafish Endocrinology. 153(5):2398-407. Epub 2012 Mar 27.
3. Ogawa S, Ramadasan PN, Goschorska M, Anantharajah A, Ng KW and Parhar IS (2012) Cloning and Expression of Tachykinins and Their Association with Kisspeptins in the Brains of Zebrafish. J Comp Neurol. 520:2991-3012, 2012. Epub 7 Jul 2012.
4. Kitahashi T, Ogawa S, Parhar IS (2009) Cloning and expression of kiss2 in the zebrafish

and medaka. Endocrinology 150:821-31. Epub 2008 Oct 16.
5. Parhar IS, Ogawa S, Sakuma Y (2004) Laser captured single digoxigenin-labeled neurons of Gonadotropin-releasing hormone types reveal a novel G protein-coupled receptor (GPR54) during maturation in cichlid fish. Endocrinology 145: 3613-3618.
6. Parhar IS, Ogawa S, Hamada T, Sakuma Y (2003) Single-cell real-time quantitive PCR for immunofluorescently identified neurons of GnRH subtypes. Endocrinology 144: 3297- 3300.
7. J Biran, M Golan, N Mizrahi, S Ogawa, IS Parhar, B Levavi Sivan (2014) LPXRFa, the Piscine Ortholog of GnIH, and LPXRF Receptor Positively Regulate Gonadotropin Secretion in Tilapia (Oreochromis niloticus). Endocrinology (in press).
8. J Biran, M Golan, N Mizrahi, S Ogawa, IS Parhar, B Levavi Sivan (2014) Direct Regulation of Gonadotropin Release by Neurokinin B in Tilapia (Oreochromis niloticus). Endocrinology (in press).
9. Parhar IS, Ogawa S, Sakuma Y (2005) Three GnRH receptor types in laser captured single cells of the cichlid pituitary display cellular and functional heterogeneity. Proc. Natl. Acad. Sci. USA. 102: 2204-2209.
10. Parhar IS, Soga T, Ogawa S, Ogawa S, Pfaff DW, Sakuma Y (2005) Nonmammalian forms of gonadotropin- releasing hormone molecules in the brain of promoter transgenic rats. Proc. Natl. Acad. Sci. USA. 102: 5880-5885.

How many publications, in total, have you published?

30 papers

List any patents you have registered

1. Use of kisspeptin and its agonist to overcome fear, Applied (2013)
2. Tilapia Kiss2, novel amino sequence substitutions affecting bioefficacy, Applied (2013)
3. Development of Marker Gene for Genetic Improvement in Fish Reproduction, Applied (2013)

4.2.38 Dr. Sharifah Syed Hassan

Institution	Monash University Malaysia
School/Department/Faculty	Medicine and Health Sciences
Main Research Area(s)	Virology/molecular virology
Name	Assoc Prof Dr. Sharifah Syed Hassan
EMAIL	sharifah.syedhassan@monash.edu.
URL	http://www.med.monash.edu.my/staff/academic/microbiology/sharifah-syed-hassan

Give a brief description of your research interests and/or expertise

Joined Monash as an academician from the My research experiences and expertise are in areas of avian and mammalian virological diagnostics, animal viral vaccine production and research. Current main research areas are in viral-host protein interactions studying specific functions of viral and cellular host genes, using basic virological techniques, genomics, transcriptomic, microRNA and recombinant DNA technologies, viral and host gene discovery for the development of novel diagnostic reagents/systems and antiviral therapy. Currently, research is based on dengue and avian influenza viruses. The highlight of one of our project is a longitudinal multidisciplinary research on dengue viral infections in a community in Malaysia where we hope to unravel some more new linkages between infections-host-viral genetics-environment-mosquito. For this community based project, our capabilities and expertise include virological and molecular virological techniques and state-of the art techniques for diagnosis, studying host-viral protein interactions and relationships, epidemiology, genetics, public health, clinical aspects of disease management and control and project management.

List up to 10 of your most recent or most important papers, giving the full citation

1. Vinod RMTB, Tham Hong Wai, Bimo AT, Abdul Rahman Omar and Sharifah Syed Hassan (2013).Highly pathogenic avian influenza virus nucleoprotein interacts with TREX Complex Adaptor Protein Aly/REF. PLoS ONE, (2013).
2. Sohayati A. Rahman, Latiffah Hassan, Jonathan H. Epstein, Zaini C. Mamat, Aziz M. Yatim, Sharifah S. Hassan, Hume E. Field, Tom Hughes, Justin Westrum, M.S. Naim, Arshad S. Suri, A. Aziz Jamaluddin, Peter Daszak, and the Henipavirus Ecology Research Group (2013). Risk Factors for Nipah Virus Infection among Pteropid Bats, Peninsular Malaysia. Emerging Infectious Diseases vol19 p 51-60, 2013.

3. Vinod RMT Balasubramaniam, Tham H Wai, Abdul R Omar, Iekhsan Othman, Sharifah S Hassan, (2012). Cellular Transcripts of Chicken Brain Tissues in Response to H5N1 and Newcastle Disease virus infection. Virology Journal 9:53, March, 2012.
4. Sohayati AR, Hassan L, Sharifah SH, Lazarus K, Zaini CM, Epstein JH, Shamsyul Naim N, Field HE, Arshad SS, Abdul Aziz J, Daszak P; Henipavirus Ecology Research Group. (2011). Evidence for Nipah virus recrudescence and serological patterns of captive Pteropus vampyrus. Epidemiol Infect. Oct;139 (10):1570-9, 2011.
5. Vinod, RMT, Sharifah SH, Omar AR, Maizan M, Suriani MN, Ramlan M and Iekhsan O. (2011). Cellular transcripts regulated during infections with HPAI H5N1 in 3 host systems. Virology Journal, 8: 196, 2011.
6. Sohayati AR., Sharifah SH, Kevin JO, Maizan M, Li-yen C, Latiffah H., et al., (2010). Genetic characterization of Nipah virus isolated from naturally infected Pteropus vampyrus in Malaysia. Emerging Infectious Diseases vol 16:12 pg 1990-1993, 2010.
7. Sharifah, S.H., Sohayati,A,R., Maizan, M., Chang, L.Y., Sharina, M., Syamsiah, A.K., Latiffah, K., Arshad, S.S., Zaini, C.M., Humes, F., Daszak, P. and Epstein, J. (2009). Genetic characterization of a recrudesced Nipah virus from a Pteropus vampyrus in Malaysia. Neurology Asia, 14:67-69, 2009.
8. Rajik, M., Omar, AR, Ideris, I., Sharifah, S.H. and Yusof, K .A novel peptide inhibits the influenza virus replication by preventing viral attachment to the host cells. (2009). International Journal of Biological Sciences. 5(6) 543-548, 2009
9. S. H. Hassan, C. Wirblich, M. Forzan and P. Roy. (2001). Expression and functional characterization of bluetongue virus VP5 protein: Role in cellular permeabilization. J. Virology 75: 8356-836, 2001.
10. Sharifah S. Hassan and Polly Roy. (2000). Expression and functional characterisation of bluetongue virus VP2 protein: Role in cell entry. J. Virology 73:9832-9842, 2000.

How many publications, in total, have you published?

40

List any patents you have registered

0

4.2.39 Dr.Shogo Moriya

Institution	Monash University Malaysia
School/Department/Faculty	Brain Research Institute
Main Research Area(s)	Brain research, brain aging, neurodegenerative disease, molecular biology
Name	Senior Research Fellow Shogo Moriya
EMAIL	moriya.shogo@monash.edu
URL	http://www.med.monash.edu.my/brims/

Give a brief description of your research interests and/or expertise

For neurodegenerative diseases such as Alzheimer's disease and Parkinson's disease, aging is the largest risk factor. Ageing affects many cellular processes and age-related changes in cells cause pathogenesis of the neurodegenerative diseases. I clarify the pathogenesis of the neurodegenerative diseases through analyzing functions of age-related genes using molecular biological techniques, such as gene expression, a single-cell technology, transcriptome and transgenic creation.

List up to 10 of your most recent or most important papers, giving the full citation

1. Ota T, Suzuki Y, Nishikawa T, Otsuki T, Sugiyama T, Irie R, Wakamatsu A, Hayashi K, Sato H, Nagai K, Kimura K, Makita H, Sekine M, Obayashi M, Nishi T, Shibahara T, Tanaka T, Ishii S, Yamamoto J, Saito K, Kawai Y, Isono Y, Nakamura Y, Nagahari K, Murakami K, Yasuda T, Iwayanagi T, Wagatsuma M, Shiratori A, Sudo H, Hosoiri T, Kaku Y, Kodaira H, Kondo H, Sugawara M, Takahashi M, Kanda K, Yokoi T, Furuya T, Kikkawa E, Omura Y, Abe K, Kamihara K, Katsuta N, Sato K, Tanikawa M, Yamazaki M, Ninomiya K, Ishibashi T, Yamashita H, Murakawa K, Fujimori K, Tanai H, Kimata M, Watanabe M, Hiraoka S, Chiba Y, Ishida S, Ono Y, Takiguchi S, Watanabe S, Yosida M, Hotuta T, Kusano J, Kanehori K, Takahashi-Fujii A, Hara H, Tanase TO, Nomura Y, Togiya S, Komai F, Hara R, Takeuchi K, Arita M, Imose N, Musashino K, Yuuki H, Oshima A, Sasaki N, Aotsuka S, Yoshikawa Y, Matsunawa H, Ichihara T, Shiohata N, Sano S, Moriya S, Momiyama H, Satoh N, Takami S, Terashima Y, Suzuki O, Nakagawa S, Senoh A, Mizoguchi H, Goto Y, Shimizu F, Wakebe H, Hishigaki H, Watanabe T, Sugiyama A, et al. Complete sequencing and characterization of 21,243 full-length human cDNAs. Nat Genet 2004; 36: 40-45.

2. Moriya S, Urawa S, Suzuki O, Urano A, Abe S. DNA microarray for rapid detection of mitochondrial DNA haplotypes of chum salmon. Mar Biotechnol (NY) 2004; 6: 430-434.
3. Urano A, Moriya S, Abe S. Oligonuclotide DNA microarray for haplotype analysis in field endocrinology. Integrative And Comparative Biology 2005; 45: 1088-1088.
4. Shimizu Y, Dobashi K, Mita Y, Endou K, Moriya S, Osano K, Koike Y, Higuchi S, Yabe S, Utsugi M, Ishizuka T, Hisada T, Nakazawa T, Mori M. DNA microarray genotyping of N-acetyltransferase 2 polymorphism using carbodiimide as the linker for assessment of isoniazid hepatotoxicity. Tuberculosis (Edinb) 2006; 86: 374-381.
5. Moriya S, Sato S, Azumaya T, Suzuki O, Urawa S, Urano A, Abe S. Genetic stock identification of chum salmon in the Bering Sea and North Pacific Ocean using mitochondrial DNA microarray. Mar Biotechnol (NY) 2007; 9: 179-191.
6. Abe S, Moriya S, Sato S, Azumaya T, Suzuki O, Urawa S, Urano A. Genetic stock identification of chum salmon in the Bering Sea and North Pacific Ocean using mitochondrial DNA microarray. Aquaculture 2007; 272: S238-239.
7. Abe S, Yoon M, Sato S, Moriya S, Urawa S, Urano A. Genetic variation and population structure of chumsalmon in the North Pacific rim inferred from mitochondrial and microsatellite DNA analyses. Aquaculture 2007; 272: S239-S39.
8. Moriya S, Takiguchi M, Seki N. Expression of the WT1 gene -KTS domain isoforms suppresses the invasive ability of human lung squamous cell carcinoma cells. Int J Oncol 2008; 32: 349-356.
9. Moriya S, Sato S, Yoon M, Azumaya T, Urawa S, Urano A, Abe S. Nonrandom distribution of chum salmon stocks in the Bering Sea and the North Pacific Ocean estimated using mitochondrial DNA microarray. Fish Sci 2009; 75: 359-367.
10. Moriya S, Ogawa S, Parhar IS. GnRH neuron type-specific transcriptome analysis by laser captured single- Cell microarray in the medaka. Biochem Biophys Res Commun. 2013;435:562-6.

How many publications, in total, have you published?

28

List any patents you have registered

1. Immobilized nucleic acid and method for detecting nucleic acid. Publication number: JP2001281246 (Japan), EP1130121 (Europe), US2002018996 (USA).
2. Reaction apparatus and its use in a method of analyzing biologically active substances. Publication number: JP2002357604 (Japan), CA2382246 (Canada), EP1251352 (Europe), US2004161744 (USA).
3. Kit and method for determining HLA type. Publication number: WO0192572 (Japan), CA2413931 (Canada), EP1291440 (Europe), US2003228585 (USA).
4. Method for determining chum salmon haplotype using mitochondrial DNA. Publication number: JP2003180397 (Japan), CA2410164 (Canada), EP1319721 (Europe), US2003124608 (USA).
5. Method of determining breed of pig. Publication number: WO2005108569 (Japan).
6. Bacteria detecting instrument, bacteria detecting method, and bacteria detecting kit. Publication number: WO2005080599 (Japan), AU2005214262 (Australia), CA2559952 (Canada), CN1926245 (China), EP1726662 (Europe), KR20070011333 (Korea), US2005272062 (USA).
7. Instrument for detecting bacterium, method of detecting bacterium and kit for detecting bacterium. Publication number: JP4189002 (Japan), AU2005268040 (Australia), CA2575433 (Canada), CN1993482 (China), EP1788093 (Europe), KR20070048768 (Korea), US2007212715 (USA).
8. Oligonucleotides, arrays thereof for detecting microorganisms, and an apparatus, a method

and a kit for detecting microorganisms. Publication number: JP2009504134 (Japan), AU2006280651 (Australia), CA2619743 (Canada), CN101300362 (China), EP1926832 (Europe), KR20080049044 (Korea), US2009048118 (USA).

9. Method for determination of animal species contained in sample and kit for use in the method. Publication number: JP2008245523 (Japan).

4.2.40 Dr Siow Lee Fong

Institution	Monash University Malaysia
School/Department/Faculty	School of Science
Main Research Area(s)	Microencapsulation & controlled release, frozen food chemistry
Name	Dr Siow Lee Fong
EMAIL	siow.lee.fong@monash.edu
URL	

Give a brief description of your research interests and/or expertise

My research interests lie in finding suitable techniques to encapsulate bioactive active compounds and understanding their release behavior and mechanisms. I am interested in testing the microencapsulated compounds in vitro to determine the release efficacy of the microencapsulated bioactive compounds/drug.
I am also interested in understanding the freezing kinetics and physicochemical changes of frozen food products.

List up to 10 of your most recent or most important papers, giving the full citation

1. Ee-Tein Tee & Lee-Fong Siow (2014). Physical and sensory properties of frozen Spanish Mackerel (Scomberomorus guttatus) Fish Balls added with Cryoprotectants, Food and Bioprocess Technology, DOI 10.1007/s11947-014-1348-0.
2. Yen-Ming Wong and Lee-Fong Siow. (2014).Effects of heat, pH, antioxidant, agitation and light on betacyanin stability using red-fleshed dragon fruit (Hylocereus polyrhizus) juice and concentrate as models. Journal of Food Science and Technology, DOI: 10.1007/s13197-014- 1362-2.
3. Aynda Yuris and Lee-Fong Siow. (2014). A Comparative Study of the Antioxidant Properties of Three Pineapple (Ananas comosus L.) Varieties. Journal of Food Studies, 3, 40-56, doi: 10.5296/jfs.v3il.4995.
4. Hooi Teng Tan, Gary A. Dykes, Ta Yeong Wu, Lee Fong Siow. (2013). Enhanced xylose recovery from oil palm empty fruit bunch by efficient acid hydrolysis, Applied Biochemistry and Biotechnology, 170, 1602-1613.
5. Lee-Fong Siow and Chee-Sian Ong. (2013). Effect of pH on garlic oil encapsulation by complex coacervation, Journal of Food Processing and Technology, 4, 199.

6. Siow, L. F. and Hui, Y. W. (2013). Comparison on the antioxidant properties of fresh and convection oven-dried guava (Psidium guajava L.), International Food Research Journal, 20, 639- 644.
7. Lee-Fong Siow and Kar-Hing Lee. (2012). Determination of Physicochemical Properties of Osmodehydrofrozen Pineapples, Borneo Science 31, 62-73.
8. Siow, L. F., Rades, T. and Lim, M. H. (2008) Effect of two types of large unilamellar vesicles in the presence of non-permeable or permeable cryoprotecting agents, Cryobiology, 57, 276-285.
9. Siow, L. F., Rades, T. and Lim, M. H. (2007) Effect of intra/extraliposomal distribution of sodium chloride on the stability of large unilamellar vesicles, Cryo-Letters, 28, 429-444.
10. Siow, L. F., Rades, T. and Lim, M. H. (2007) Characterizing the freezing behavior of liposomes as a tool to understand cryopreservation procedures, Cryobiology, 55, 210-221.

How many publications, in total, have you published?

16

List any patents you have registered

N/A

4.2.41 Professor . Sunil K. Lal

Institution	Monash University Malaysia
School/Department/Faculty	School of Science
Main Research Area(s)	Host-virus interactions; Molecular biology of Infectious diseases
Name	Prof. Sunil K. Lal
EMAIL	sunil.lal@monash.edu
URL	http://www.sci.monash.edu.my/about-us/Prof-Sunil-K.-Lal.html

Give a brief description of your research interests and/or expertise

Our Influenza A virus (IAV) research program focuses on:

1. Molecular studies on the innate immune responses and their downstream effectors mainly interferon stimulated genes (ISGs). Interferon A induces more than 300 ISGs that control host cell death and survival pathways upon viral infection.
2. IAV nucleoprotein (NP) interacts with Hsp40, and is responsible for P58IPK release which in turn leads to downregulation of PKR and eIF2α phosphorylation [PLoS ONE (2011)6(6): e20215]. We have demonstrated a novel role of IAV NP in inhibiting PKR mediated anti-viral host response that ensures continued viral mRNA translation.
3. Apoptosis induction is another anti-viral host response; however IAV infection promotes host cell death. The NP of IAV is known to contribute to viral pathogenesis but its role in virus induced host cell death was hitherto unknown. We showed that NP contributes to IAV infection induced cell death and can induce apoptosis in human airway epithelial cells via the human anti-apoptotic protein Clusterin (CLU) and Bax pathways [Cell Death Dis.(2013)4:e562]. Collectively, these findings indicated a new function for IAV NP in inducing host cell death and a role for the host anti-apoptotic protein Clusterin.
4. Activation of Akt plays a major role in modulating diverse downstream signaling pathways that control cell survival, proliferation and apoptosis. The neuraminidase (NA) protein of IAV is involved in virus release however we have recently discovered that NA also enhances cell survival by activating the Akt pathway via Src signaling and directly interacting with host CEACAM6 (carcinoembryonic cell adhesion molecule) [J. Biol. Chem. (2012) 287:15109-15117].
5. We identified α-actinin-4, a host cytoskeletal protein, as an interaction partner of IAV NP and found that actinin-4 is required for viral replication and is essential for nuclear-cytoplasmic shuttling of NP (FEBS J. (2014) 281:2899-914).

List up to 10 of your most recent or most important papers, giving the full citation

1. S. Tripathi, W. Cao, K. Sharma, J.R. Patel, P. Ranjan, J. M. Katz, N. J. Cox, R. B. Lal, S. Sambhara, S. K. Lal. 2013. Influenza A virus Nucleoprotein induces cell death in human lung epithelial cells by targeting Clusterin. Cell Death & Disease 4: e562; doi:10.1038 / cddis.2013.8
2. P. Gaur, P. Ranjan, S. Sharma, J.R. Patel, J.B. Bowzard, S. K. Rahman, R. Kumari, S. Gangappa, J.M. Katz, N.J. Cox, R.B. Lal, S. Sambhara, S. K. Lal. 2012. Influenza A virus Neuraminidase protein enhances cell survival through interaction with CEACAM6. J. Biol. Chem. 287:15109-15117.
3. K. Sharma, S. Ackerstorm, A. K. Sharma, V.T.K. Chow, S. Teow, B. Abrenica, S. A. Booth, T. F. Booth, A. Mirazimi, S. K. Lal. 2011. SARS-CoV 9b protein diffuses into nucleus, undergoes active crm1 mediated nucleocytoplasmic export and triggers apoptosis when retained in the nucleus. PLoS ONE 6(5): e19436
4. K. Sharma, S. Tripathi, P. Ranjan, P. Kumar, R. Garten, V. Deyde, J. M. Katz, N. J. Cox, R. B. Lal, S. Sambhara, S. K. Lal. 2011. Influenza A virus Nucleoprotein exploits Hsp40 to inhibit PKR activation. PLoS ONE 6(6): e20215.
5. S. Karjee, A. Minhas, V. Sood, S. S. Ponia, A. C. Banerjea, V. T. K. Chow, S. K. Mukherjee, S. K. Lal. 2010. The 7a accessory protein of SARS-CoV acts as a RNA silencing suppressor. J. Virol. 84:10395-10401.
6. H-L. J. Oh, S. Akerstrom, S. Shen, S. Bereczky, H. Karlberg, J. Klingström, S. K. Lal, A. Mirazimi, Y-J Tan. 2010. An antibody against a novel and conserved epitope in the 1 HA1 subunit neutralizes numerous H5N1 influenza viruses. J. Virol. 84: 8275-8286.
7. M. Surjit, S. Jameel, S. K. Lal. 2007. Cytoplasmic localization of the ORF2 protein of Hepatitis E virus is dependent on its ability to undergo retro-translocation from the endoplasmic reticulum. J. Virol. 81: 3339-3345.
8. M. Surjit, B. Liu, V. T. K. Chow, S. K. Lal. 2006. The Nucleocapsid protein of SARS-coronavirus inhibits the activity of cyclin-CDK complex and blocks S phase progression in mammalian cells. J. Biol. Chem. 281:10669-10681.
9. M. Surjit, R. Oberoi, R. Kumar, S. K. Lal. 2006. Enhanced microglobulin secretion from Hepatitis E virus ORF3 expressing human hepatoma cells is mediated by the tumor susceptibility gene 101. J. Biol. Chem. 281:8135-8142.
10. S. Tyagi, M. Surjit, S. K. Lal. 2005. The 41-amino acid C-terminal region of the Hepatitis E virus ORF3 protein interacts with Bikunin, a Kunitz-type serine protease inhibitor. J. Virol. 79:12081-12087.

How many publications, in total, have you published?

90

List any patents you have registered

1

4.2.42 Dr. Tam Cai Lian

Institution	Monash University Malaysia
School/Department/Faculty	Jeffrey Cheah School of Medicine and Health Sciences
Main Research Area(s)	My core research interests focus on describing the variety of challenges adolescents face in modern Malaysia including substance abuse, diabetic management, mental health issues, and online counselling.
Name	Dr. Tam Cai Lian
EMAIL	tam.cai.lian@monash.edu
URL	http://www.med.monash.edu.my/staff/academic/psychology/tam-cai-lian

Give a brief description of your research interests and/or expertise

I am actively involved in publishing academic articles and book chapters. I am also a regular contributor to popular magazines and newspapers, writing commentary on mental health issues in both Malay and Mandarin. My ongoing goal is to continue to publish at least 4-5 journal articles per year and maintain significant external grant funding. I am passionately dedicated to my work in supervising PhD students. I am currently involved in the supervision of 9 HDR students (5 as main supervisor, 4 as co supervisor) and plan to continue this level of supervisory involvement. I have the passion and expertise in exploring the health and psychological issues which include investigating:

- Diabetic health knowledge, beliefs, and lifestyle among sociocultural groups in Malaysia
- Drug abuse relapse in Malaysia: Contributory factors and treatment effectiveness
- The effects of online counselling on students mental health and wellbeing
- The role of emotion regulation in adolescent self-injury
- The importance of diet and physical exercise

List up to 10 of your most recent or most important papers, giving the full citation

1. C.C.Yap, C.L.Tam, G.B. Bonn, M. Saravanan & A. Kadirvelu (2014). Psychosocial variables influencing diabetes self-management and quality of life: A pilot study. Recent Trends in Social Behaviour Sciences-Lumbun Gaol et.al (EdS). Taylor & Francis Group, London, ISBN978-1-138-00121-3. 319-325. Print ISBN: 978-1-138-00121-3.eBook ISBN: 978-1-315-77553-1
2. Lian, S.Y, Tam, C. L. (2014). Literature Review of Work Stress, Coping Strategies and Resilience of Working Female Malaysia Population. Asian Social Science; 10(12), 41-52; 2014.ISSN 1911-2017 E-ISSN 1911-2025

3. Ooi, J. X, Teh. K.X, Tam, C. L, Sivalal S., & Amudha, K. (2014). Passive Smoking: Awareness and Attitudes among University Students. International Journal of Collaborative Research on Internal Medicine & Public Health. 6(6),160-168.
4. Lee, M.Y, Tam, C. L. (2014). Smoking and Its Burden of Ill Health: A Review of the Malaysian Context. International Journal of Collaborative Research on Internal Medicine & Public Health (IJCRIMPH), 6(7)190-199.
5. Tee, K.X., Ooi. J.X, Tam, C. L, Amudha, K., & Sivalal S. (2014). Perceived Effectiveness of Policy and Legislation on Smoking among Malaysian Adults International Journal of Collaborative Research on Internal Medicine & Public Health. 6(7), 207-215.
6. Lim, Y. M., Tam, C. L., & Lee, T. H. (2013). Perceived Stress, Coping Strategy and General Health: A Study on Accounting Students in Malaysia. Educational Research Multimedia & Publication, 4 (1), 88-95. Online ISSN: 2229-4686, Print ISSN: 2231-4172.
7. Tam, C. L., Chong, A., Amudha. K., & Khoo, Y. T. (2013). Parenting Styles and Self-efficacy among the Adolescents, Global Journal of Human Social Sciences (GJHSS), 12(1), 19-25. Online ISSN: 2249-460x & Print ISSN: 0975-587X.
8. Ha, T. S., & Tam, C. L. (2013). Relationships of Birth Order, parent-child Relationship, personality and Academic Performance Pertanika Journal of Social Sciences & Humanities. 21 (1), 17-52. (ISSN: 0128-7702.
9. Tam, C. L., & Foo, Y. C. (2013). A Qualitative Study on Drug Abuse Relapse in Malaysia: Contributory Factor and Treatment Effectiveness. International Journal of Collaborative Research on Internal Medicine & Public Health (IJCRIMPH), 5(4)217-232.
10. Lee, S. Y., Tam, C. L., Lee, & Chie, Q.T. (2013). Mobile Phone Usage Preferences: The Contributing Factors of Personality, Social Anxiety and Loneliness. Social Indicator Research. ISSN 0303-8300. Soc Indic Res DOI 10.1007/s11205-013-0460-2

How many publications, in total, have you published?

I have excelled in research output by publishing 38 refereed journal articles from January 2008 through October 2014.

List any patents you have registered

0

4.2.43 Professor Tey Beng Ti

Institution	Monash University Malaysia
School/Department/Faculty	School of Engineering
Main Research Area(s)	Bioseparation, Biosensor, Drug delivery, Smart material, Fermentation, Bioresource Technology
Name	Professor Tey Beng Ti
EMAIL	tey.beng.ti@monash.edu
URL	http://www.eng.monash.edu.my/about-us/who-we-are/academic-staff#/adminpanel/users/info.php?id=166

Give a brief description of your research interests and/or expertise

Smart or stimuli-responsive hydrogels undergo abrupt changes in volume and structure in response to environmental changes, such as pH, temperature, electric field, antigen/antibody etc. Our current research focuses are utilizing these fascinating properties of stimuli-responsive hydrogels and polymers for various biomedical applications such as smart biosensor systems, targeted drug delivery and protein separation. The critical challenges of biosensor development are reduction in detection time, minimizing sensor size, simplifying fabrication, and developing more accurate and reliable protocol. Antigen-antibody stimuli-responsive hydrogels can be used as biosensor platform to detect antigen/antibody. An ideal protein drug delivery system should have controlled-release of the encapsulated drug at the targeted site of action and protect them from proteolytic degradation and acid hydrolysis. pH stimuli-responsive hydrogels can be used to design an oral protein drug delivery system. In addition, the pH and temperature responsiveness of the smart polymer can be used as salt and solvent free environmental friendly chromatographic matrix media for protein purification

List up to 10 of your most recent or most important papers, giving the full citation

1. Lee MFX, Chan ES, Tey BT (2014). Negative Chromatography: Progress, Applications and Future Perspectives. Process Biochemistry 49(6): 1005-1011.
2. Lim HP, Tey BT, Chan ES (2014) Particle designs for the stabilization and controlled-delivery of protein drugs by biopolymers: A case study on insulin. Journal of Controlled Release 186:11–21
3. Tou BSY, Neo KE, Tey BT, Ng MYT (2014) Effect of phase inversion and separation on hepatitis B core antigen extraction from unclarified bacterial feedstock using aqueous two-

phase system. Separation and Purification Technology 130: 45-55.
4. Ong YY, Tan WS, Mohamad R, Sieo CC, Tey BT. (2014) Biochemical and molecular identification of Enterococcus spp. from red pitaya. Process Biochemistry 49(4): 563-568.
5. Monjezi R, Tan SW, Tey BT, Sieo CC, Tan WS (2013) Detection of Hepatitis B Virus Core Antigen by Phage Display Mediated TaqMan Real-time Immuno-PCR. J Virol Methods. 187(1): 121-126.
6. Yoon KY, Tan WS, Lee KW, Tey BT, Ho KL (2013) Native agarose gel electrophoresis and electroelution: a fast and cost effective method to separate the small and large hepatitis B capsids. Electrophoresis 34(2): 244-253.
7. Chin M. J., Poh P.E., Tey B.T., Chan E.S., Chin K.L. (2013). Biogas from palm oil mill effluent (POME): Opportunities and challenges from Malaysia's perspective. Renewable and Sustainable Energy Reviews 26, 717-726.
8. Ng MYT, Tan WS, Tey BT (2012) Purification of Recombinant Hepatitis B Core Antigen from Unclarified Escherichia coli Feedstock using Phage -Immobilized Expanded Bed Adsorption Chromatography. Journal of Chromatography B. 903: 60-67
9. Lee KW, Tey BT, Ho KL, Tejo BA, Tan WS (2012) Nano-glue: An Alternative Way to Display Cell-internalizing Peptide at the Spikes of Hepatitis B Virus Core Nanoparticles for Cell-targeting Delivery. Molecular Pharmaceutics. 9 (9): 2415–2423
10. Lee KW, Tey BT, Ho KL, Tan WS (2012) Delivery of chimeric hepatitis B core particles into liver cells. Journal of Applied Microbiology 112 (1): 119-131

How many publications, in total, have you published?

>100

List any patents you have registered

1. Recovery Process for Recombinant Hepatitis B Core Antigen. (PI 20080736)
2. Method for Quantitation of Recombinant GFP. (MY-146629-A)
3. A Method for Purifying the Nucleocapsid Protein of Nipah Virus. (PI20093263)
   A Method for Controlling Proteolytic Degradation of Recombinant Proteins.(PCT/MY2009/000105)
4. A Method for Purification of Intracellular Protein. (PI 20094405)
5. A Method to Purify Recombinant Nucleocapsid Protein of Nipah Virus using Hydrophobic Interaction Chromatography. (PI 20094406)
6. Hepatitis B Core Particles with His Tags. (PI 20094721)
7. Recombinant Matrix Protein of Nipah virus. (PI 20094724)
8. Lipase Production and Purification (MY147445A)

4.2.44 Dr.Tomoko Soga

Institution	Monash University Malaysia
School/Department/Faculty	Brain Research Institute, School of Medicine and Health Sciences
Main Research Area(s)	Neuroscience
Name	TOMOKO SOGA
EMAIL	Tomoko.soga@monash.edu
URL	http://www.med.monash.edu.my/brims/

Give a brief description of your research interests and/or expertise

Social neglect, abuse or trauma during early-life has serious consequences for the development of psychopathologies. It has been suggested that early-life social stress causes mental disorder such as anxiety and depression with abnormal neuronal activation. I study the neural basis of early life stress induced depression. I use multiple biological approaches which include using transgenic animal models. Last year, we found that impact of early life stress on the expression of neuropeptides (Gonadotropin-releasing hormone (GnRH) and Gonadotropin-inhibitory hormone (GnIH)) in the brain and emotional behavior such as anxiety and depression. I also study the epigenetic mechanisms of neuronal marker molecules for early life stress induced depression in transgenic rats and serotonergic regulation. My final research goal is to find susceptibility genes and molecular mechanisms underlying the pathogenesis of mental disorders, which will lead to the development of new diagnostic measurements and treatments.

List up to 10 of your most recent or most important papers, giving the full citation

1. Tomoko Soga, Yasuo Sakuma and Ishwar Parhar.Testosterone differentially regulates expression of GnRH messenger RNA in the terminal nerve, preoptic and midbrain of male tilapia. Mol. Brain Res. (1998). 60, 13-20.
2. Tomoko Soga, Satoshi Ogawa, Robert P. Millar, Yasuo Sakuma and Ishwar S. Parhar.Identification and localization of the three congnate receptors for GnRH1,GnRH2 and GnRH3 in the brainof chiclid fish. J. Comp. Neurol.(2005). Jun 20;487(1):28-41.
3. Ishwar S. Parhar, Tomoko Soga, Satoshi Ogawa, Sonoko Ogawa, Donald W. Pfaff and YasuoSakuma. Nonmammalian gonadotropin-releasing hormone molecules in the brain of promoter transgenic rats.Proc. Natl. Acad. Sci. (USA), (2005). Apr 19;102(16):5880-5885
4. Tomoko Soga, Dutt Way Wong, Iain J. Clarke and Ishwar S. Parhar. Citalopram

(Antidepressant) Administration Causes Sexual Dysfunction in Male Mice Through RFamide Related Peptide in The Dorsomedial Hypothalamus. Neuropharmacology (2010).59:77-85
5. Tomoko Soga, Sandun L Dalpatadu, Dutt W.Wong and Ishwar S. Parhar.Neonatal dexamethasone exposure down-regulates GnRH expression through the GnIH pathway in female mice. Neuroscience (2012). 218.56- 64
6. Tomoko Soga, Dutt W.Wong, Manish Putteeraj, Keang Peng Song and Ishwar S. Parhar. Early-Life Citalopram-Induced Impairments in Sexual Behavior and the Role of Androgen Receptors.Neuroscience (2012).225.172-184
7. Khor Yee Min, Tomoko Soga and Ishwar S. Parhar. Caffeine Neuroprotects Against Dexamethasone- Induced Anxiety-like Behaviour in the Zebrafish (Danio rerio). General Comparative Endocrinology (2012) 181. 310–315
8. Lim W.Lin., Tomoko Soga and Ishwar S. Parhar. Maternal Dexamethasone Exposure during Pregnancy in Rats Disrupts Gonadotropin-Releasing Hormone Neuronal Development in the Offspring . Cell and Tissue Research (2014) 355: 409-423
9. Lim W.Lin., Tomoko Soga and Ishwar S. Parhar. Maternal Dexamethasone Exposure Inhibits the Gonadotropin-Releasing Hormone Neuronal Movement in the Preoptic Area of Rat Offspring "Developmental Neuroscience (2014).36:95-107
10. Tomoko Soga, Takashi Kitahashi, Iain J.Clarke and Ishwar S. Parhar Gonadotropin-Inhibitory Hormone Promoter-Driven Enhanced Green Fluorescent Protein Expression Decreases During Aging in Female Rats. Endocrinology (2014) 155: 1944–1955

How many publications, in total, have you published?

26

List any patents you have registered

2 (submitted in 2013)

4.2.45 Dr.Uma Devi Palanisamy

Institution	Monash University Malaysia
School/Department/Faculty	Medicine and Health Sciences
Main Research Area(s)	Natural Product Drug Discovery: Purification and characterisation of plant bioactives, in vitro and in vivo assays related to diabetes and obesity.
Name	Associate Prof Uma Devi Palanisamy
EMAIL	umadevi.palanisamy@monash.edu
URL	http://www.med.monash.edu.my/staff/academic/biomedical-science/uma-devi-palanisamy

Give a brief description of your research interests and/or expertise

- Identify and evaluate bioactives from natural sources for its potential health benefits, with particular interest in plant bioactives for diabetes and obesity.
- Screening of local natural resources for cosmeceutical, nutraceutical and pharmaceutical content and develop medium-throughput screening techniques to aid the growth of the natural product research in Malaysia
- Purification and characterisation of bioactives from various plant sources intended
- Physico-chemical properties of bioactives
- Computational and combinatorial chemistry tools to aid drug discovery

List up to 10 of your most recent or most important papers, giving the full citation

1. Manaharan, T., Chakravarthi, S., Radhakrishnan, A.K., and Palanisamy, U.D (2014). In vivo toxicity evaluation of a standardized extract of Syzygium aqueum leaf, Toxicology Reports 1 (2014) 718–725
2. Arumugam, B, Manaharan, T., Chua, K.H., Kuppusamy, U.H., Palanisamy, U.D. (2014). Antioxidant and antiglycemic potentials of standardized extract of Syzygium malaccense. LWT - Food Science and Technology. DOI: 10.1016/j.lwt.2014.06.041
3. Alexis Y. S. Chung, Sunil Gurtu, Ton So Ha, Uma D. Palanisamy. (2014) Geraniin Ameliorates
4. Metabolic Risks in High-Fat Diet-Induced Obese Sprague Dawley Rats. Journal of Functional Foods 9, 173–182.
5. Uma Devi P (2014) Plants as Effective Agents in Treating Diabetes and Its Complications

J Nutrition Health Food Sci 1(2): 1-2.
6. Uma D. Palanisamy, Thamilvaani Manaharan and Theanmalar Masilamani (2014). Anti-hyperglycemic Agents from Tropical Plant Extracts. Acta Hort. (ISHS) 2014, 1040, 231-233.
7. Thamilvaani Manaharan, Cheng Hwee Ming and Uma D. Palanisamy. Syzygium aqueum leaf extract and its bioactive compounds enhances pre-adipocyte differentiation and 2-NBDG uptake in 3T3-L1 cells. Food Chem 2013, 136 (2) , 354-363Shonia Subramaniam, Srikumar Chakravarthi, Uma Devi Palanisamy, Ammu Radhakrishnan and Nagaraja Haleagrahara. Acute and Sub Chronic Oral Toxicity Assessment of the Ethanolic
8. Extract from the Rind of Nephelium lappaceum in Rats. Journal of Pharmacology and Toxicology 2012, 7 (8), 378-385 Asiri Perera, David Appleton, Loh Hwee Ying, Sumita Elendran and Uma D. Palanisamy. Large scale purification of geraniin from Nephelium lappaceum rind waste using reverse-phase chromatography. Separation and Purification Technology 2012, 98(19), 145–149
9. Palanisamy, U.D., Manaharan, T., Ling, L.T., Radhakrishnan,A. K.C. and Masilamani, T. Rambutan rind in the management of hyperglycemia, Food Research International 2011, 44(7), 2278-2282.
10. Palanisamy, U.D., Ling, L.T., Manaharan, T., Appleton, D. Rapid Isolation of Geraniin from Nephelium lappaceum rind waste and its anti hyperglycemic activity, Food Chem 2011, 127(1), 21-27.

How many publications, in total, have you published?

More than 70

List any patents you have registered

- Malaysian Patent granted: A method for producing a non-ionic surface active agent from palm oil in an organic medium: PI 9905657 (2002) MY-124682
- Malaysian Patent granted: Skin whitening composition- PI 20044336 (2004) MY-140952
- PCT (WO 2008/066370 A1) and Malaysian Patent Filed: *Nephelium lappaceum* skin peel extracts with high free radical scavenging activity for cosmeceutical and nutraceutical applications – PI 20064567(2006)
- Malaysian Patent Filed:*Syzygium aqueum* extracts for cosmeceutical and nutraceutical applications (2008)-PI 20080735
- Malaysian Patent Filed: Extract and fraction having antiglycemic activity (2009):PI20090710
- Malaysian Patent Filed: Method and use of plant extract to stabilise oil: PI 2010000206

4.2.46 Dr Varghese Swamy

Institution	Monash University Malaysia
School/Department/Faculty	School of Engineering
Main Research Area(s)	Nanoscale materials, energy, advanced experiments, and computational materials research
Name	Dr Varghese Swamy
EMAIL	varghese.swamy@monash.edu
URL	http://www.eng.monash.edu.my/about-us/who-we- are/academic-staff

Give a brief description of your research interests and/or expertise

My current research interests are in the applications of materials for energy and environmental solutions. Special emphasis is on nanomaterials (size-dependent phenomena, properties, and applications). Currently we are looking into materials for hybrid sensitized solar cells, catalysis, as well as understanding nanomechanical properties and their applications in micro-devices. My expertise covers both experimental (laboratory and synchrotron x-ray diffraction, spectroscopy, in situ characterizations) and computational (thermodynamic, atomistic, and first principles quantum mechanical calculations) investigations.

List up to 10 of your most recent or most important papers, giving the full citation

1. V. Swamy (2014)The Structural origin of the unusual compression behaviors in nanostructured TiO_2: Insights from first-principles calculations.Physical Chemistry Chemical Physics 16: 18156-18162. Times cited: 0 (most recent)
2. V. Swamy and N. C. Wilson (2014) First-Principles Calculations of the Pressure Stability and Elasticity of Dense TiO_2 Phases Using the B3LYP Hybrid Functional. Journal of Physical Chemistry C 118: 8617-8625. Times Cited: 1X. Wu, G. Steinle-Neumann, G.; O. Narygina,

et al. (2009)High-Pressure Behavior of Perovskite: $FeTiO_3$ Dissociation into (Fe1-delta,Ti-delta)O and Fe1+delta Ti2-delta O5.Physical Review Letters 103. DOI: 10.1103/PhysRevLett.103.065503. Times Cited: 15.

3. Kuznetsov, A. Y et al. (2009).Size dependence of rutile TiO_2 lattice parameters determined via simultaneous size, strain, and shape modeling. Applied Physics Letters 94 Issue: 19 DOI: 10.1063/1.3139078. Times Cited: 9
4. V. Swamy et al (2009)Unusual Compression Behavior of Anatase TiO_2 Nanocrystals.Physical Review Letters 103 (7) DOI: 10.1103/PhysRevLett.103.075505. Times Cited: 20
5. V Swamy (2008) Size-dependent modifications of the first-order Raman spectra of nanostructured rutile TiO_2. Physical Review B 77 (19) DOI: 10.1103/PhysRevB.77.195414. Times Cited: 43
6. V. Swamy and B.C. Muddle (2007) Ultrastiff cubic TiO_2 identified via first-principles calculations.Physical Review Letters 98(3) DOI: 10.1103/PhysRevLett.98.035502.Times Cited: 41
7. V Swamy et al (2006) Size-dependent pressure-induced amorphization in nanoscale TiO_2Physical Review Letters 96 (13) .Times Cited: 64L.S. Dubrovinsky et al (2001) Materials science - The hardest known oxide Nature 410 (6829), 653-654. Times Cited: 185
8. J Muscat, V. Swamy, N.M. Harrison (2002)First-principles calculations of the phase stability of TiO_2 Physical Review B 65 (22), DOI: 10.1103/PhysRevB.65.224112. Times Cited: 225

How many publications, in total, have you published?

~50 articles. ~30 conference presentations, 15 reports.

List any patents you have registered

None.

4.2.47 Dr. Wang, Xin

Institution	Monash University Malaysia
School/Department/Faculty	School of Engineering
Main Research Area(s)	Non-destructive evaluation, optical measurement, computer vision, finite element analysis
Name	Wang, Xin
EMAIL	wang.xin@monash.edu
URL	http://www.eng.monash.edu.my/about-us/who-we-are/academic-staff#/adminpanel/users/info.php?id=174

Give a brief description of your research interests and/or expertise

- Optical methods in micro, nano and bio- mechanics, on-line structural health monitoring
- Failure assessment and fitness for service evaluation of aging equipment
- Ultrasound in solids, nondestructive testing and evaluation of materials
- Structural Analysis of Composite Structures, Finite Element Applications in Engineering
- 3D Imaging

List up to 10 of your most recent or most important papers, giving the full citation

1. C.S. Tan, X. Wang, W.K. Lim, Y.H. Ng, and T.Y., Chai, "Method for distortion correction of multi-layered surface reconstruction using time-gated wavefront sensing approach" J. Europ. Opt. Soc. Rap. Public.8, 13034 (2013). (ISSN 1990-2573)
2. J. B. Ooi, X. Wang, Y.P. Lim, C. S. Tan, J. H. Ho and K. C. Wong, " Parametric Optimization of the Output Shaft of a Portal Axle using Finite Element Analysis", Strojniški vestnik - Journal of Mechanical Engineering, Vol. 59, 613-619 (2013). (ISSN: 0039-2480)
3. J. B. Ooi, X. Wang, C.S. Tan, Y. P. Lim, and J. H. Ho, "Modal and stress analysis of gear train design in portal axle using finite element modeling and simulation", Journal of Mechanical Science and Technology, 26(2), 575-589, 2012. (ISSN: 1738-494X)
4. T. Y. Chai, W. L. Lim, C. S. Tan, B.M. Goi, X. Wang, and J. H. Ho, "Probabilistic Model for Dynamic Signature Verification System", Research Journal of Applied Sciences, Engineering

and Technology, 3(11), 1320-1324, 2011. (ISSN: 2040-7459)

5. B. S. Wong, X. Wang, C. M. Koh, C. S. Tan, C.G Tui, and J. Xu, " Crack Detection Using Image Processing Techniques for Aircraft Wing Spar Radiography Inspection", INSIGHT, Vol 53, No. 10, pp552-556, Oct. 2011. (ISSN: 1354-2575)
6. H. C. Qua, C. C. Khaw, C. S. Tan, X. Wang and J. B. Ooi, "Fast identification of O2 corrosion in economiser tubes", Journal of Engineering Failure Analysis, Vol 8, Issue 8, pp 2201-2210, 2011. (ISSN: 1350-6307)
7. X. Wang, B. S. Wong C. S. Tan, and C.G Tui, "Automated Crack Detection for Digital Radiography Aircraft Wing Skin Inspection" Research in Nondestructive Evaluation, 22: 105-127, 2011. (ISSN: 0934-9847)
8. C. S. Tan, G. Seet, A. Sluzek, X. Wang, T. Y. Chai, C, T, Fam, and H. Y. Wong, "Scattering noise estimation of range-gated imaging system in near turbid condition", Optics Express,18(19), 2010. (ISSN: 1094-4087)
9. X. Wang, B. S. Wong and C. S. Tan, "Recognition of Welding Defects in Radiographic Images by Using Support Vector Machine Classifier", Research Journal of Applied Sciences, Engineering and Technology, 2(3):295-301, 2010. (ISSN: 2040-7459)
10. W.M. Bai, C. Bueno, B. S. Wong, and X. Wang, "Generation of Radiographic Techniques for Digital Radiography Applications". INSIGHT Vol 51 No 6 June 2009. (ISSN:1354-2575)

How many publications, in total, have you published?

>40

List any patents you have registered

0

4.3 University of Southampton Malaysia Campus

Prof.J.W.McBride

Dr. Jo-Han Ng

Dr Low Siow Yong

Dr.Mihai Dragos Rotaru

Dr.Neil Gordon Stephen

Dr. Seung Hwan Won

Dr Stuart C. Clarke

Dr. William R. Birch

4.3.1 Prof.J.W.McBride

Institution	University of Southampton Malaysia Campus
School/Department/Faculty	Engineering
Main Research Area(s)	Electrical Contact Physics, Surface Characterization and metrology, Arcing devices, contact mechanics, Nano-contacts and nano-metrology.
Name	Prof. J. W. McBride
EMAIL	jwm@soton.ac.uk
URL	http://www.southampton.ac.uk/engineering/about/staff/jwm.page

Give a brief description of your research interests and/or expertise

John McBride is an expert on electrical contact physics and surface characterisation; he has published over 200 papers, 3 patents, and is an associate editor of the IEEE Transactions on Components and Packaging and Manufacturing Technology (CPMT). As Principle Investigator, (PI) he has completed research projects in excess of £7.5Million and supervised as chair over 20 Ph.D students. He has chaired sessions and acted on the organising committees of numerous international conferences. He is currently the Technical Chair for the 2016 International Conference on Electric Contacts. In 2006 he was awarded the IEEE Holm Scientific Achievement Award, an international award recognising outstanding scientists and engineers in the field of electric contacts or related technologies. In 2008 he was awarded of the international James A. Lindner Prize for research on the "Sound Archive Project". In 2001 he established the spin out company TaiCaan Technologies Ltd. a world leader in optical surface profiling.
Current research interests include:

- Optical and X-Ray surface nano-metrology.
- MEMs relay design and switching performance
- High Current Arc modelling and imaging.
- Carbon Nano-Tube structures for switching and sensing applications.
- Contact Mechanics

List up to 10 of your most recent or most important papers, giving the full citation

1. McBride, J.W., Balestrero, A., Ghezzi, L., Tribulato, G. and Cross, K.J. (2010) Optical fiber imaging for high speed plasma motion diagnostics: applied to low voltage circuit breakers. Review of Scientific Instruments, 81, (5), 055109-[6pp]. McBride, J.W., Yunus, E.M. and

Spearing, S.M. (2010) Improving the contact resistance at low force using gold coated carbon nanotube surfaces. European Physical Journal - Applied Physics, 50, (1)
2. Sun, W., McBride, J.W. and Hill, M. (2010) A new approach to characterising aspheric surfaces. Precision Engineering, 34, (1), 171-179.
3. McBride, J.W, (2010) The Wear Processes of Gold Coated Multi-Walled Carbon Nanotube Surfaces Used as Electrical Contacts for Micro-Electro-Mechanical Switching. Nanoscience. Nanotechnology. Letters. 2, 357-361
4. Cain, M.G, Weaver, P.M., Stewart, M., Anson, A., Franks, J., Lipscomb, I.P., McBride, J.W., Zheng, D. and Swingler, J. (2012) The effects of porosity, electrode and barrier materials on the conductivity of piezoelectric ceramics in high humidity and dc electric field. Smart Materials and Structures, 21, (4).
5. Toler, B.F., Ronald, C.A. and McBride, J.W. (2013) A review of micro-contact physics for micro-electromechanical systems (MEMS) metal contact switches. Journal of Micromechanics and Microengineering, 23, (10), 103001.
6. McBride, J. W., Chianrabutra, C., Jiang L. and Pu, S H. (2013) The contact resistance performance of gold coated carbon-nanotube surfaces under low current switching. IEICE Transactions on Electronics, E96-C, (9), 1097-1103.
7. Cross, Kevin J., McBride, J.W. and Lifton, Joseph J. (2014) The uncertainty of radius estimation in least-squares sphere-fitting, with an introduction to a new summation based method. Precision Engineering
8. J. J. Lifton, A. A. Malcolm, J. W. McBride , (2014) A simulation-based study on the influence of beam hardening in X-ray computed tomography for dimensional metrology, Journal of X-ray Science and Technology.
9. J.J Lifton, A. A. Malcolm, J. W. McBride, (2014) On the uncertainty of surface determination in X-ray computed tomography for dimensional metrology, Measurement Science and Technology.

How many publications, in total, have you published?

>200

List any patents you have registered

2, I have two spin out companies based on research.

4.3.2 Dr Jo-Han Ng

Institution	University of Southampton Malaysia Campus
School/Department/Faculty	Faculty of Engineering and Environment
Main Research Area(s)	Biodiesel, Combustion, Computational Fluid Dynamics, 0D/1D Engine System Modelling, Transesterification, Chemical Kinetics
Name	Dr Jo-Han Ng
EMAIL	J.Ng@soton.ac.uk
URL	http://www.southampton.ac.uk/my/about/staff/jn4r11.page

Give a brief description of your research interests and/or expertise

Malaysia has an abundance of palm oil which has been strategically earmarked as one of the economic pillars of the nation. Among the many uses of palm oil, biodiesel represents an exciting frontier for research, especially so after Malaysia has mandated the use of B5 in diesel blends (ie. 5% of all diesel vehicle would be powered by biodiesel on a volumetric basis).
It would be in the benefit of the nation to be researching on palm biodiesel, and for that we have experience in (published reference in parenthesis):

- Combustion study of biodiesel [3,6-9]
- Chemical kinetics – surrogate biodiesel fuel [4]
- Computational fluid dynamics study on combustion chamber [5]
- 0D/1D engine system level modelling [1]
- Novel reactors for the transesterification of palm biodiesel [FRGS grant]
- Social policies related to biodiesel [2,10]

In all, we try to fill up application niches which are pertinent to the economy of Malaysia, yet without neglecting the fundamentals associated with the underlying science behind the phenomena.

List up to 10 of your most recent or most important papers, giving the full citation

1. Ng, J.H., Safwan, A.A., Wong, K.Y., Chong, C.T., and Rajoo, S. "Numerical Simulation of a Diesel and Biodiesel Fuelled Light-Duty Diesel Engine using an Integrated 1D-Chemical Kinetics Model." In: 2015 SAE World Congress, Detroit, United States of America. (Abstract accepted)

2. Wu, K.H., Ng, J.-H., and Chong, C.T. "Global Evaluation of Biodiesel Feedstock Availability and Economic Viability." In: International Conference on Sustainable Energy and Environmental Sciences 2015, 9-10 February 2015, Singapore, Singapore. (Submitted)
3. Chong, C.T., Ng, J.-H., Ahmad, S. and Rajoo, S. "Oxygenated Palm Biodiesel: Ignition, Combustion and Emissions Quantification in a Light-Duty Diesel Engine." Applied Energy (reviewed)
4. Ng, H.K, Gan, S., Ng, J.-H. and Pang, K.M. "Development and validation of a Reduced Combined Biodiesel-Diesel Reaction Mechanism." Fuel 104 620-634, 2013. (IF: 3.406)
5. Ng, H.K, Gan, S., Ng, J.-H. and Pang, K.M. "Simulation of Biodiesel Combustion in a Light-Duty Diesel Engine using Integrated Compact Biodiesel-Diesel Reaction Mechanism." Applied Energy 102 1275-1287, 2013 (IF: 5.261)
6. Ng, J.-H., Ng, H.K. and Gan, S. "Development of Emissions Predictor Equations for a Light-Duty Diesel Engine using Biodiesel Fuel Properties." Fuel 95 544-552, 2012. (IF: 3.406)
7. Ng, J.-H., Ng, H.K. and Gan, S. "Characterisation of Engine-Out Responses from a Light-Duty Diesel Engine Fuelled with Palm Methyl Ester (PME)." Applied Energy 90(1) 58-67, 2012. (IF: 5.261)
8. Ng, J.-H., Ng, H.K. and Gan, S. "Engine-Out Characterisation using Speed-Load Mapping and Reduced Test Cycle for a Light-Duty Diesel Engine Fuelled with Biodiesel Blends." Fuel 90(8) 2700-2709, 2011. (IF: 3.406)
9. Ng, H.K., Ng, J.-H. and Gan, S. "Development of a Novel Single-Mode, Steady-State Test Cycle for Light Duty Diesel Engines." JSAE 20101600, 2010.
10. Ng, J.-H., Ng, H.K. and Gan, S. "Recent Trends in Policies, Socioeconomy and Future Directions of the Biodiesel Industry." Clean Technologies and Environmental Policy 12(3) 213-238, 2009. (IF: 1.671)

How many publications, in total, have you published?

10 (2 reviewed)

- Cumulative Impact Factor, CIF of 24.082 (Average IF of 3.01 per publication)
- > 85% of publication indexed by ISI are in Tier I Journals.

List any patents you have registered

0

4.3.3 Dr Low Siow Yong

Institution	University of Southampton Malaysia Campus (USMC)
School/Department/Faculty	School of Electronics and Computer Science
Main Research Area(s)	Signal processing
Name	Low Siow Yong
EMAIL	sy.low@soton.ac.uk
URL	http://www.southampton.ac.uk/my/about/staff/siow_yong_low.page

Give a brief description of your research interests and/or expertise

Siow Yong's research focuses on the mathematical manipulation of acoustics signals with applications to assistive listening devices and hearing aids. One example is speech enhancement, where noisy speech signal can be processed in such a way that the noise component is reduced. The challenge of speech enhancement is its application in a social setting, e.g., cafeteria noise, where the noise is highly non-stationary. His research interests broadly revolve around speech applications as follows:

- Microphone arrays processing
  - Blind signal separation
  - Beamforming
- Single microphone processing
  - Noise estimation techniques
  - Compressed sensing
- Echo cancellation
  - Double talk detection

Apart from academic research, his expertise has led to consultancy work for the hearing protection industry (www.sensear.com) and forensic audio analyses for the Northam Police Dept and the Organised Crime Squad, WA Australia. See also http://scholar.google.com.my/citations?user=flF2umAAAAAJ&hl=en&oi=ao, for a complete range of research expertise.

List up to 10 of your most recent or most important papers, giving the full citation

1. S. Y. Low, S. Nordholm and R. Togneri, "Convolutive Blind Signal Separation with Post-Processing," IEEE Transactions on Speech and Audio Processing, vol. 12, no. 5, pp. 539-548, September 2004. Citation 58.
2. H. H. Dam, S. Nordholm, S. Y. Low and A. Cantoni, "Blind Signal Separation Using Steepest Descent," IEEE Transactions on Signal Processing, vol. 55, no. 8, pp. 4198-4207, August 2007. Citation 17.
3. S. Y. Low, D. S. Pham and S. Venkatesh, "Compressive Speech Enhancement," Speech Communication, vol. 55, no. 6, pp. 757-768, July 2013. Citation 2.
4. K. Y. Chan, S. Y. Low, S. Nordholm, and K. F. C. Yiu, "A decision-directed adaptive gain equalizer for assistive hearing instruments," *IEEE Transactions on Instrumentation and Measurement*, vol. 63, no. 8, pp. 1886-1895, 2014.
5. K. Y. Chan, S. Nordholm, S. Y. Low, P. C. Yong and K. F. C. Yiu, "A hybrid descent method for optimal sigmoid filter design," IEEE Signal Processing Letters, vol. 21, no. 4, pp.478-482, 2014. Citation 1.
6. S. Y. Low, S. Venkatesh and S. Nordholm, "A Spectral Slit Approach to Doubletalk Detection," IEEE Transactions on Audio, Speech and Language Processing, vol. 20, no. 3, pp. 1074-1080, March 2012. Citation 1
7. K. F. C. Yiu, Z. Li, S. Y. Low and S. Nordholm, "FPGA multi-filter system for speech enhancement via multi-criteria optimization," *Applied Soft Computing*, vol. 21, pp. 533-541, 2014.
8. S. Y. Low, K. F. C. Yiu and S. Nordholm, "Beamspace Blind Signal Separation for Speech Enhancement," Optimization Methods and Software, vol. 10, no. 2, pp. 313-330, June 2009. Citation 2.
9. K. F. C. Yiu, K. Y. Chan, S. Y. Low and S. Nordholm, "A multi-filter system for speech enhancement under low signal-to-noise ratios," Journal of Industrial and Management Optimization, vol. 5, no. 3, pp. 671-682, August 2009. Citation 5.
10. S. Y. Low, S. Nordholm and K. L. Teo, "Use of Efficient Frontier in Microphone Arrays," IEE Electronics Letters, vol. 42, no. 20, pp. 1186-1187, September 2006. Citation 1.

How many publications, in total, have you published?

>40

List any patents you have registered

1. S. Y. Low, E. Ostlin and A. Davis, "Voice Communication Device, Signal Processing Device and Hearing Protection Device Incorporating Same," US patent no. 12/673088 (patent pending).

4.3.4 Dr Mihai Dragos Rotaru

Institution	University of Southampton Malaysia Campus
School/Department/Faculty	School of Electronic and Computer Science/ Faculty of Physical Sciences and Engineering
Main Research Area(s)	Applied Electromagnetics, Electromagnetic metamaterial, Wireless Power Transfer, Smart Grid
Name	Mihai Dragos Rotaru (Associate Professor)
EMAIL	mr@ecs.soton.ac.uk
URL	http://www.ecs.soton.ac.uk/people/mr

Give a brief description of your research interests and/or expertise

My research interests lie in the broad area of applied electromagnetism, in particular computational electromagnetics, simulation and design of electromagnetic metamaterials and their applications. I have very keen interest in fast and efficient numerical methods that can be applied in electromagnetics. I have a good experience in the design and modeling of RF and high speed electronic packaging, as I work for six years in solving challenging signal and power integrity problems.

I am interested in involved in many aspects of electrical power engineering and in the new paradigm shift that take place in electric power industry towards a smarter and more efficient grid. This huge change in the way electrical power will be produce, distributed, stored and consumed will affect almost all aspects of modern life. My expertise and knowledge in applied electromagnetics will be central to technologies that will be developed and used in the new smart grid.

List up to 10 of your most recent or most important papers, giving the full citation

1. Analysis and suppression of SSN noise coupling between power/ground plane cavities through cutouts in multilayer packages and PCBs J Lee, MD Rotaru, MK Iyer, H Kim, J Kim Advanced Packaging, IEEE Transactions on 28 (2), 298-309, 2005, Citation (31)
2. Three-dimensional system-in-package using stacked silicon platform technology V Kripesh, SW Yoon, VP Ganesh, N Khan, MD Rotaru, W Fang, MK Iyer Advanced Packaging, IEEE Transactions on 28 (3), 377-386 , 2005, Citation (52)

3. Implementation of packaged integrated antenna with embedded front end for Bluetooth applications M Rotaru, LY Ying, H Kuruveettil, Y Rui, AP Popov, C Chee-Parng Advanced Packaging, IEEE Transactions on 31 (3), 558-56, 2008 Citation (15)
4. Improved sensitivity of terahertz label free bio-sensing application through trapped-mode resonances in planar resonators MD Rotaru, JK Sykulski Magnetics, IEEE Transactions on 47 (5), 1026-1029, 2011 Citation (4)
5. Optimisation of a tubular linear machine with permanent magnets for wave energy extraction TS Parel, MD Rotaru, JK Sykulski, GE Hearn COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2011, Citation (2)
6. Numerical modelling of needle-grid electrodes for negative surface corona charging system Y Zhuang, G Chen, M Rotaru Journal of Physics: Conference Series 310 (1), 012011, 2011 Citation (5)
7. Exploration versus exploitation using kriging surrogate modelling in electromagnetic design S Xiao, M Rotaru, JK Sykulski COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2012, Citation (7)
8. Adaptive weighted expected improvement with rewards approach in Kriging assisted electromagnetic design S Xiao, M Rotaru, JK Sykulski IEEE Transactions on Magnetics 49 (5), 2057-2060, 2013, Citation (8)
9. Electromagnetic Simulations of a Fully Superconducting 10-MW-Class Wind Turbine Generator, Y Liang, MD Rotaru, JK Sykulski Applied Superconductivity, IEEE Transactions on 23 (6), 5202805-5202805, 2013, Citation (2)
10. Numerical and experimental study of the effects of load and distance variation on wireless power transfer systems using magnetically coupled resonators M Rotaru, R Tanzania, R Ayoob, TY Kheng, JK Sykulski IET, 2014, Citation (1)

How many publications, in total, have you published?

>80

List any patents you have registered

4

4.3.5 Dr.Neil Gordon Stephen

Institution	University of Southampton Malaysia Campus
School/Department/Faculty	Faculty of Engineering & the Environment
Main Research Area(s)	Theory of Vibration, Elasticity, Repetitive Structures
Name	Neil Gordon STEPHEN
EMAIL	ngs@soton.ac.uk
URL	

Give a brief description of your research interests and/or expertise

Professor Stephen's research interests are mainly in the statics and dynamics of structures. This includes the vibration of Timoshenko beam structures, the statics and dynamics of repetitive structures, end effects (Saint-Venant's principle) and the applications of Transfer Matrix theory. His work is mainly theoretical, but includes finite element modelling and MATLAB simulations.
His 2006 publication "On energy harvesting from ambient vibration" was awarded the first P.E. Doak prize for academic achievement. It was the most highly-cited paper in the Journal of Sound and Vibration over a five-year period, and currently has over 380 citations.

List up to 10 of your most recent or most important papers, giving the full citation

1. N G Stephen. The Second Spectrum of Timoshenko Beam Theory – Further Assessment. Journal of Sound and Vibration, 292, 372-389, 2006.
2. N G Stephen. On Energy Harvesting from Ambient Vibration. Journal of Sound and Vibration, 293, 409-425, 2006.
3. N G Stephen. On the Maximum Power Transfer Theorem within Electromechanical Systems. Proceedings of the Institute of Mechanical Engineers, Part C, Journal of Mechanical Engineering Science, 220, 1261-1267, 2006.
4. N G Stephen. Transfer Matrix Analysis of the Elastostatics of One-Dimensional Repetitive Structures. Proceedings of the Royal Society, Series A, Mathematical, Physical and Engineering Sciences, 462 (2072), 2245-2270, 2006.

5. N G Stephen and Y Zhang. Eigenanalysis, and Continuum Modelling of Pre-Twisted Repetitive Beam-Like Structures. International Journal of Solids and Structures, 43(13), 3832-3855, 2006.
6. N G Stephen. On State Space Elastostatics within a Plane Stress Sectorial Domain – the Wedge and the Curved Beam. International Journal of Solids and Structures, 45, 5437-5463, 2008.
7. N G Stephen. Repetitive Beam-Like Structures: Distributed Loading and Intermediate Support. International Journal of Solids and Structures, 46, 3664-3668, 2009.
8. N G Stephen. On Veering of Eigenvalue Loci. ASME Journal of Vibration and Acoustics, 131(5), 054501 (5 pages), 2009.
9. N G Stephen. On the Riccati Transfer Matrix Method for Repetitive Structures. Mechanics Research Communications, 37(7), 663-665, 2010.
10. N G Stephen, K F Lai, K Young and K T Chan. A new method to determine the shear coefficient of Timoshenko beam theory. Journal of Sound and Vibration, 330, 3488-3497, 2011.

A full list is available on http://scholar.google.co.uk/citations?user=4tAQTNAAAAAJ&hl=en

How many publications, in total, have you published?

75

List any patents you have registered

0

4.3.6 Dr. Seung Hwan Won

Institution	University of Southampton Malaysia Campus
School/Department/Faculty	School of Electronics and Computer Science
Main Research Area(s)	Mobile communication: 4G & 5G system design and algorithm development
Name	Associate Professor Seung Hwan Won
EMAIL	S.Won@soton.ac.uk
URL	http://www.southampton.ac.uk/my/about/staff/sw6f12.page

Give a brief description of your research interests and/or expertise

Since the advent of successful mobile communication systems, Long Term Evolution-Advanced (LTE-A) system is currently flourishing around the globe. Nowadays, many of international research societies are highly interested in beyond LTE and MilleMetre Wave (mmW) mobile communication systems as a strong candidate of 5G mobile communication system to provide achievable data rate of Gbps. Hence, our research interests encompass (1) synchronisation (including cell search schemes) and (2) estimation schemes (including speed, location, and channel status) in diverse cooperative MIMO-aided multi-carrier systems and MIMO-aided mmW mobile broadband communication systems. As examples of our research plan, with the aid of over eight year industrial research experiences gained at both LG and Samsung Electronics, feasible solutions and their possibilities of extensive cell search and key parameter estimation schemes will be investigated thoroughly in terms of both theoretical and practical implementation. And this achievement is capable of taking the initiative over other 5G research activities.

List up to 10 of your most recent or most important papers, giving the full citation

1. SeungHwan Won and Lajos Hanzo, Synchronization Issues in Relay-Aided Cooperative MIMO Networks, Wireless Communications Magazine, IEEE, To be published in October/2014.
2. SeungHwan Won and Lajos Hanzo, Synchronization of Noncoherent MIMO Systems: Synchronization Issues, Vehicular Technology Magazine, IEEE, Vol. 7, Issue 4, pp 95 - 103, 2012.
3. SeungHwan Won and Lajos Hanzo, Initial Synchronisation of Wideband and UWB Direct Sequence Systems: Single- and Multiple-Antenna Aided Solutions, Communications Surveys & Tutorials, IEEE, Vol. 14, Issue 1, pp 87 - 108, 2012.

4. Young Ju Kim, SeungHwan Won, Noe Yoon Park, and Lajos Hanzo, Reduced-complexity transmit-beamforming codebook search algorithm, Electronics Letters, Vol. 47, No 16, pp 938 - 939, August 2011.
5. SeungHwan Won and Lajos Hanzo, Initial and Post-Initial Code Acquisition in the Non-Coherent Multiple Input/Multiple Output Aided DS-CDMA Downlink, IEEE Transactions on Vehicular Technology, Vol. 58, No 5, pp 2322 - 2330, June 2009.
6. SeungHwan Won, Kyungchun Lee and Lajos Hanzo, Initial Code Acquisition in the Cooperative Non-coherent MIMO DS-CDMA Downlink, IEEE Transactions on Vehicular Technology, Vol. 58, No 3, pp1387-1395, March 2009.
7. SeungHwan Won and Lajos Hanzo, Initial Acquisition Performance of the Multiple Receive Antenna Assisted DS-UWB Downlink Using Search Space Reduction and Iterative Code Phase Estimation, IEEE Transactions on Wireless Communications, Vol. 8, No 1, pp 386-395, January 2009.
8. SeungHwan Won and Lajos Hanzo, Non-coherent and Differentially Coherent Code Acquisition in MIMO Assisted DS-CDMA Multi-path Downlink Scenarios, IEEE Transactions on Wireless Communications, Vol. 7, No 5, pp 1585-1593, May 2008.
9. SeungHwan Won and Lajos Hanzo, Analysis of Serial-Search-Based Code Acquisition in the Multiple Transmit/Multiple-Receive-Antenna-Aided DS-CDMA Downlink, IEEE Transactions on Vehicular Technology, Vol. 57, No 2, pp1032-1039, March 2008.
10. SeungHwan Won and Lajos Hanzo, Iterative Code Acquisition for the DS-UWB Downlink Using Multiple-Component Decoders, Electronics Letters, Vol. 44, No 2, pp 162-163, January 2008.

How many publications, in total, have you published?

25

List any patents you have registered

19 (List of US patents)

1. 20140254580 A1, Method and apparatus for acquiring synchronization in code division multiple access system, Date issued: Sep. 11, 2014
2. 8804597 B2, Apparatus and method for adding and deleting relay link in communication system, Date Issued: Aug. 12, 2014
3. 8,724,685 B2, Apparatus and method for interference cancellation in MIMO wireless communication system, Date Issued: May 13, 2014
4. 8363701 B2, Method and apparatus for receiving signal in wireless communication system, Date Issued: Jan. 29, 2013
5. 20110038407 A1, Equalizer receiver in a mobile communication system and method therefore method, Date Issued: Feb. 17, 2011
6. 8194621, Method of allocating uplink transmission channels in a communication system Date Issued: June 5, 2012
7. 8139549, Method of scheduling an uplink packet transmission channel in a mobile communication system, Date Issued: March 20, 2012
8. 8098762, Method and apparatus for transmitting/receiving signals in multiple-input multiple output communication system provided with plurality of antenna elements, Date Issued: January 17, 2012
9. 8089919, Packet transmission acknowledgement in wireless communication system, Date Issued: January 3, 2012

10. 8059771, Method and system for transmitting and receiving data streams, Date Issued: November 15, 2011
11. 7929493, Method of scheduling for enhanced dedicated channel (E-DCH), Date Issued: April 19, 2011
12. 7599440, Downlink control channel allocation method in mobile communication system, Date Issued: OCT/06/2009
13. 7433328, Packet transmission method, Date Issued: OCT/07/2008
14. 7394790, Packet data transmitting method and mobile communication system using the same, Date Issued: JUL/01/2008
15. 7353025, Uplink scheduling method of wireless mobile communication system, Date Issued: APR/01/2008
16. 7349374, Uplink transmission power control in wireless communication system, Date Issued: MAR/25/2008
17. 7343176, Node B scheduling method for mobile communication system, Date Issued: MAR/11/2008
18. 7315748, Method of informing uplink synchronization using downlink TPC bit patterns, Date Issued: JAN/01/2008
19. 7269436, Method and apparatus of allocating power in multiple-input multiple-output communication system, Date Issued: SEP/11/2007

4.3.7 Dr. Stuart C. Clarke

Institution	University of Southampton Malaysia Campus
School/Department/Faculty	Medicine
Main Research Area(s)	Infectious disease epidemiology, Vaccines, Respiratory infections, Meningitis, Sepsis
Name	Dr Stuart C. Clarke
EMAIL	s.c.clarke@southampton.ac.uk http://www.southampton.ac.uk/medicine/about/staff/scc1.page
URL	

Give a brief description of your research interests and/or expertise

Dr Clarke is an Associate Professor and Honorary Consultant in Health Protection. He has a major interest in the epidemiology of infectious diseases, particularly in relation to vaccine development and the evaluation of new vaccines. He works mostly with Streptococcus pneumoniae, but also Neisseria meningitidis, Haemophilus influenzae and Staphylococcus aureus.. He is also a member of the Biofilm and Microbial Communities group where he provides an essential link between epidemiology and microbial communities; his research uses postgenomic technologies to explore the relationships at the genomic level with antibiotic resistance, virulence potential and disease potential in microorganisms that cause respiratory disease. His work takes place in the UK, Malaysia and Singapore. He holds the position of Visiting Professor at the Faculty of Medicine, Universiti Teknologi MARA and is an Adjunct Associate Professor at the School of Medicine, National University of Singapore.

List up to 10 of your most recent or most important papers, giving the full citation

1. Loman NJ, Gladstone RA, Constantinidou C, Tocheva AS, Jefferies JMC, Faust SN, O'Connor L, Chan J, Pallen MJ, Clarke SC. Clonal Expansion within Pneumococcal Serotype 6C after Use of Seven-Valent Vaccine. PLOS ONE 2013; 8(5): e64731.
2. Tocheva AS, Jefferies JM, Christodoulides M, Faust SN, Clarke SC. Distribution of carried pneumococcal clones in UK children following the introduction of the 7-valent pneumococcal conjugate vaccine: a 3-year cross-sectional population based analysis. Vaccine 2013; 31: 3187-90.

3. Shakrin NN, Balasubramaniam SD, Yusof HA, Mastuki MF, Masri SN, Taib NM, Nordin SA, Jamal F, Clarke SC, Desa MN. Evaluation of PCR-based approach for serotype determination of Streptococcus pneumoniae. Tropical Biomedicine 2013; 30: 338-44.
4. Lamb KE, Flasche S, Diggle M, Inverarity D, Greenhalgh D, Jefferies JM, Smith A, Edwards GF, Denham B, McMenamin J, McDonald E, Mitchell TJ, Clarke SC, Robertson C. Trends in serotypes and sequence types among cases of invasive pneumococcal disease in Scotland, 1999-2010. Vaccine. 2013 Jun 24. pii: S0264- 410X(13)00694-4. doi: 10.1016/j.vaccine.2013.05.079.
5. Nathan JJ, Mohd Desa MN, Thong KL, Clarke SC, Masri SN, Yasin RM, Taib NM. Genotypic characterization of Streptococcus pneumoniae serotype 19F in Malaysia. Infection, Genetics and Evolution 2013 Dec 13. pii: S1567-1348(13)00443-7.
6. Bourne S, Cohet C, Kim V, Barton A, Tuck A, Aris E, Mesia-Vela S, Devaster JM, Ballou WR, Clarke S and Wilkinson T. Acute Exacerbation and Respiratory InfectionS in COPD (AERIS): protocol for a prospective, observational cohort study. BMJ Open 2014;4: e004546
7. Jefferies JM, Mohd Yusof MY, Devi Sekaran S, Clarke SC. Novel clones of Streptococcus pneumoniae causing invasive disease in Malaysia. PLOS One 2014; 9(6): e97912.
8. Jauneikaite E, Jefferies JMC, Churton NVC, Lin RTP, Hibberd ML and Clarke SC. Genetic diversity of Streptococcus pneumoniae causing meningitis and sepsis in Singapore during the first year of PCV7 implementation. Emerging Microbes and Infections 2014; 3: e39.
9. Letouze D, Yao G, Clarke SC. The costs associated with the public health management of a cluster of meningococcal infection in England. Vaccine. 2014; 32(43): 5549-51.
10. Allan RN, Skipp P, Jefferies J, Clarke SC, Faust SN, Hall-Stoodley L and Webb J. Pronounced metabolic changes in adaptation to biofilm growth by Streptococcus pneumoniae. PLOS One 2014; 9(9): e107015.

How many publications, in total, have you published?

90 peer-reviewed research papers, 29 reviews, 3 book chapters, one sole author book and approximately 100 miscellaneous scientific articles.

List any patents you have registered

0

4.3.8 Dr. William R. Birch

Institution	University of Southampton Malaysia Campus
School/Department/Faculty	Faculty of Engineering and Environment
Main Research Area(s)	Materials for biomedical applications: bioresorbable microcarriers, stem cell processing. Marine macrofoulers on engineered surfaces.
Name	Dr. William R. Birch
EMAIL	W.Birch@soton.ac.uk
URL	http://scholar.google.co.uk/citations?user=Jd01HIwAAAAJ&hl=en&oi=ao

Give a brief description of your research interests and/or expertise

The engineering materials and their surface properties for cell culture and processing is an enabling technology for future therapeutic applications, which are expected to rely on mesenchymal stem cells. Implementing bioimplantable and resorbable scaffolds and cell expansion supports offers a further performance enhancement, for tissue engineering. Our work combines materials science, stem cell biologists, and clinicians, forming multidisciplinary teams.
Where tunable and characterized material properties may be achieved, the bioresponse of organisms provides an essential feedback loop. This quantifiable measure of performance is not only critical *in-vitro* and *in-vivo*, but may also be applied to the interaction of marine macrofouler larvae with substrates that are subject to colonization. The latter offers insights for engineering materials that deter (or attract) marine fouling in tropical and temperate waters.

List up to 10 of your most recent or most important papers, giving the full citation

1. Shape memory/change effect in a double network nanocomposite tough hydrogel, J. L. Zhang, W. M. Huang*, G. Gao, J. Fu, Y. Zhou, A. V. Salvekar, S. S. Venkatraman, Y. S. Wong, K. H. Tay, W. R. Birch, European Polymer Journal 58, (2014) 41.Conjoint propagation and differentiation of human embryonic stem cells to cardiomyocytes in a defined microcarrier spinner culture, A. T.-L. Lam, A. K.-L. Chen,
2. J. Li, W. R. Birch, S. Reuveny, and Steve K.-W. Oh*, Stem Cell Research & Therapy, 5 (2014) 110.
3. Cationic Surface Charge Combined with Either Vitronectin or Laminin Dictates the Evolution of Human Embryonic Stem Cells/Microcarrier Aggregates and Cell Growth in Agitated Cultures, A. T.-L. Lam, J. Li, A. K.-L. Chen, S. Reuveny, Steve K.-W. Oh*, and W. R. Birch*,

Stem Cells and Development, 23 (2014) 1688. (Article featured on cover page of Stem Cells and Development)

4. A novel geometry for a laboratory-based larval settlement assay, L. Petrone, S. S. C. Lee, S. L. M. Teo, and W. R. Birch*, Biofouling 29 (2013) 213.
5. Temporal Application of Topography to Increase the Rate of Neural Differentiation from Human Pluripotent Stem Cells, L. Y. Chan, W. R. Birch, E. K. F. Yim*, and A. B. Choo, Biomaterials, 34 (2013) 382.
6. Understanding the Nano-topography Changes and Cellular Influences Resulting from the Surface Adsorption of Human Hair Keratins, F. Taraballi, S. Wang, J. Li, F. Y. Y. Lee, S. S. Venkataraman, W. R. Birch, S. H. Teoh, F. Y. C. Boey, and K. W. Ng*, Advanced Healthcare Materials, 1 (2012) 513.
7. Translating human embryonic stem cells from 2D to 3D cultures in a defined medium on laminin and vitronectin coated surfaces, B. C. Heng, J. Li, A. K.-L. Chen, S. Reuveny, S. M. Cool, W. R. Birch* and S. K.-W. Oh*, Stem Cells and Development, 21 (2012) 1701.
8. Surface exploration of Amphibalanus amphitrite cyprids on microtextured surfaces, K. C. Chaw, G. H. Dickinson, K. Y. Ang, J. Deng, and W. R. Birch*, Biofouling 27 (2011) 413.
9. Defining a Threshold Surface Density of Vitronectin for the Stable Expansion of Human Embryonic Stem Cells, L. Yap, J. Li, I. Y. Phang, L. T. Ong, J. Ow, J. C. H. Goh, V. Nurcombe, J. Hobley, A. B. H. Choo, S. K. W. Oh, S. Cool, and W. R. Birch*, Tissue Engineering, Part C: Methods 17 (2011) 193.
10. Effect of ultrasound on cyprids and juvenile barnacles, S. F. Guo, H. P. Lee*, K. C. Chaw, J. Miklas, S. L. M. Teo, G. H. Dickinson, W. R. Birch*, and B. C. Khoo, Biofouling 27 (2011) 185.

How many publications, in total, have you published?

23 articles, 347 citations, h-index of 11

List any patents you have registered

Published (pending patents are not listed):

1. Process of making a pattern in a film, US 6,656,398. W. Birch, A. Carré, P. Frayer, and K. Hasui.
2. Method for temporarily protecting glass articles, US 6,397,746, JP 2000319038. W. Birch, D. Bookbinder, A. Carré, and D. L. Tennent.
3. Method of transferring a liquid drop from a multiwell plate and/or chemical assay, US 6,303,387. W. Birch, A. Carré, and E. François.
4. Method and apparatus for transferring and dispensing small volumes of liquid and method for making the apparatus, US 6,051,190, WO 9857747, EP 0996504. W. Birch, A. Carré, and E. François.
5. Process for the production of a coating of molecular thickness on a substrate, US 6,020,026, EP 0854389, JP 10323609. W. Birch and A. Carré.