

RESEARCHER'S BACKGROUND	
Name	Prof. Madya Dr. Lee Siew Ling
Faculty	Faculty of Science
Research Interest	<ol style="list-style-type: none"> 1. Oxidative-acidic bifunctional catalysts 2. Titania and silica-based catalysts and photocatalysts 3. Ferrite magnetic materials
Research Entity	Full Member of Centre for Sustainable Nanomaterials (CSNANO)
UTM Administrative Post(if any)	Manager (Research) of Faculty of Science (June 2016)
Professional Post (if any)	<p>International</p> <ol style="list-style-type: none"> 1. Senior Member of International Association of Computer Science and Information Technology (IACSIT) 2. Senior Member of American Chemical Society <p>National</p> <ol style="list-style-type: none"> 1. Committee of Institut Kimia Malaysia (Southern Branch)

RESEARCH PROFILE	
Publication	<ul style="list-style-type: none"> • Chapter = 5 • Article = 70 (including 55 in Scopus) • Review = 4 (including 3 in Scopus) • Conference Paper = 75 (including 7 in Scopus)
Citation	242
H-index	9
Intellectual property rights	<p>Patents</p> <ol style="list-style-type: none"> 1. PI 2013 002477 - Method for Producing Bismuth Phosphate Nanostructured Material 2. PI 2014 003466 - A Synthesis of Chemical Compound 3. PI 2014 003465 - A Photocatalyst Synthesis for Visible and Method Thereof 4. PI 2014 002758 - A New Catalyst Support Material <p>Copyrights</p> <ol style="list-style-type: none"> 1. ©2013/223/2130 - Proposed Model for Formation of Lewis and Bronsted Acidity in Niobium-Phosphate Impregnated Silica-Titania Catalyst 2. ©2013/196/2103- New Synthesis Procedure for Rutile Phase Formation in Chromium Modified Titania Photocatalyst

RESEARCH SUPERVISION	
Completed	<ul style="list-style-type: none"> • PhD: 7 • MSc: 9
Current	<ul style="list-style-type: none"> • PhD: 12 • MSc: 2

AWARDS & RECOGNITIONS	
Awards	
1.	UTMShine Award - 2015
2.	Ekspo Ciptaan Institusi Pengajian Tinggi Antarabangsa (Pecipta) 2015 Title: Novel Mesoporous TUD-1 Supported Chromium Oxide Doped Titania Photocatalyst – Bronze award
3.	17 th Industrial Art and Technology Exhibition (INATEX) 2015, UTM Title: New Photocatalyst of Homogeneous Nitrogen Doped Titania Nanomaterials – Bronze award
4.	16 th Industrial Art and Technology Exhibition (INATEX) 2014, UTM Title: New Cr Doped TiO ₂ Supported on TUD-1 Photocatalyst – Bronze award

- Title: A Gas Burner for Synthesizing Carbon Nanotubes – Silver award
5. Malaysia Technology Expo 2014 (MTE 2014)
Title: Carbon nanotubes production using rich flame – Gold medal
 6. Citation Award, Institut Kimia Malaysia, 6 December 2013
 7. Ekspo Ciptaan Institusi Pengajian Tinggi Antarabangsa (Pecipta) 2013
Title: Excellent chromium-doped titania photocatalyst synthesized via simple method – Silver award
Title: Nanostructured niobium-phosphate modified silica-titania bifunctional catalyst – Bronze award
 8. 15th Industrial Art and Technology Exhibition (INATEX) 2013, UTM
Title: Novel Nanocrystalline Bismuth Titanate Photocatalyst – Bronze award
 9. Best Oral Presentation Award – International Conference on Nanomaterials and Electronics Engineering 2013, Melaka
 10. Award of Excellent Service (Anugerah Perkhidmatan Cemerlang) from Faculty of Science, UTM for the year 2012
 11. 14th Industrial Art and Technology Exhibition (INATEX) 2012, UTM
Title: A simpler synthesis approach of visible light-driven chromium-doped titania photocatalyst – Bronze award
Title: Nanostructured niobium-phosphate modified silica-titania bifunctional catalyst - Bronze award
 12. Award of Excellent Service (Anugerah Perkhidmatan Cemerlang) – Citra Karisma UTM – 2012
 13. Best Poster Award – International Conference on Nanotechnology (ICONT 2012), Universiti Malaysia Pahang
 14. Best Poster Award – Regional Annual Fundamental Science Symposium 2011 (RAFSS 2011)
 15. 13th Industrial Art and Technology Exhibition (INATEX) 2011, UTM
Title: Nanocrystalline Bismuth-Based Materials Synthesized via Hot Injection Method - Silver award
 16. JAIST 2010 Award (Japan Advanced Institute of Science and Technology), Invited Speaker at 7th International Symposium on Advanced Materials in Asia Pacific (7th ISAMAP) and JAIST International Symposium on Nanotechnology 2010 (NT 2010)
 17. Award of Excellent Service (Anugerah Perkhidmatan Cemerlang) from Faculty of Science, UTM for the year 2010
 18. Award of Excellent Service (Anugerah Perkhidmatan Cemerlang) from Faculty of Science, UTM for the year 2009

CONTRIBUTIONS

1. Associate Editor of 'Malaysian Journal of Fundamental and Applied Sciences', 2013-2016
2. Editor of 'Journal of Fundamental Sciences', 2009 – 2012
3. Editorial Board Jurnal Teknologi – Special Edition (Technology, Education and Science of International Conference, TESIC 2013)
4. Guest Editor for ICOWABAS –RAFSS 2013
5. Editor for Book Chapter "Recent Development of Nanostructured Heterogeneous Catalyst", UTM Press. 2014. . ISBN: 978-983-52-0982-6
6. Consultant – "Quality Determination of Local Sand for Industrial Use", GQ Marineworks Sdn Bhd.
7. Consultant – "Utilization of local sand in concrete manufacturing", Jasa Raya Enterprise Sdn Bhd.
8. Consultant – "Determination of active ingredients in pesticide", Ross Trading Company.
9. Chairperson of One Day High Impact Publication Workshop, 2016
10. Committee member (Secretariat) of Innovation and Commercialization Task Force, Faculty of Science, 2016
11. Session Moderator of 8th SEATUC Symposium 2014, Johor Bahru, 4-5 March 2014
12. Committee member (Secretariat) of Indonesia-Malaysia Research Consortium and Regional Annual Fundamental Science Symposium 2016 (RAFSS 2016) (Chair of Secretariat)
13. Committee member (Publication) of One Day EU-ASEAN Symposium and Workshop on Photocatalysis 2015.
14. Committee member (Treasurer) of Karnival Kimia Johor, 2015
15. Chairperson of Networking and linkages Division, CSNano ((15 Feb 2015 – 14 Feb 2017)
16. Chairperson of Committee of OSHE, CSNano (15 Feb 2015 – 14 Feb 2017)
17. Committee member of Administration of CSNano (15 Feb 2015 – 14 Feb 2017)
18. Committee member of Publication, CSNano (15 Feb 2015 – 14 Feb 2017)

19. Committee member of Regional Annual Fundamental Science Symposium 2014 (RAFSS 2014) (Chair of Secretariat)
20. Committee member (Treasurer) of Karnival Kimia Johor, 2013
21. Chairperson of Committee of Seminar and Training IIS, October 2013 – December 2015
22. Committee member of Social Engagement Program IIS, September 2013 – December 2015
23. Committee member of Publication of Ibnu Sina Institute for Fundamental Science Studies, 2012 and 2013
24. Committee member of Regional Annual Fundamental Science Symposium 2012 (RAFSS 2012) (Secretariat and Publication)
25. Committee member of Nanotechnology Exposure Programme at School Level 2012 (Secretary)
26. Committee member of Karnival Kimia Johor, 2012
27. Committee member of Regional Annual Fundamental Science Symposium 2011 (RAFSS 2011) (Secretariat and Registration)
28. Committee member of Karnival Kimia Malaysia (Johor Bahru), 2011
29. Committee member of Computational Science Workshop 2010 (Treasurer)
30. Committee member of 'Badan Kebajikan Institut Ibnu Sina' 2010
31. Committee member of Basic and Applied Science and Regional Annual Fundamental Science Seminar 2009 , Joint Second International Conference and Workshops on Basic and Applied Sciences (Protocol)
32. Committee member of 'Program Sarjana Sains (Nanosains & Teknologi)', 2008
33. Committee member of Youth Science Camp 2008
34. Committee member of Regional Annual Fundamental Science Seminar 2008
35. Committee member of Master of Science (Nanotechnology) Program, 2008
36. Committee member of IIS Laboratory Management , 2008
37. Technical committee member of 2016 International Conference of Key Electronics Materials (ICKEM 2016), organized by International Association of Computer Science and Information Technology (IACSIT)
38. Scientific and Technical Committee & Editorial Review Board on Chemical and Molecular Engineering for World Academy of Science, Engineering and Technology, 2015.

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