

Curriculum Vitae



DR. LIM YING CHIN

PERSONAL PARTICULAR

Citizenship : Malaysian

Date of Birth : 13 February 1978

Postal address : Faculty of Applied Sciences, Universiti Teknologi MARA, 40450 Shah Alam, Selangor Darul Ehsan, Malaysia

Telephone : +603-5543 6596 (Office) +6012 208 5888 (Hp)

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Current position : Senior Lecturer, Faculty of Applied Sciences, Universiti Teknologi MARA Shah Alam

Field of Expertise : Materials Chemistry

Scopus ID : 57195808280

Web of Science ID : M-5819-2019

ORCID ID : orcid.org/0000-0001-7536-9599

Academic qualifications

Ph.D (Materials Chemistry), Universiti Putra Malaysia, 2013
M.Sc (Chemistry), Universiti Teknologi Malaysia, 2002
B. Sc (Hons) with Education (Chemistry), Universiti Teknologi Malaysia, 2001

Career History

Senior Lecturer, Faculty of Applied Sciences, UiTM (June 2012 – present)
Lecturer, INTEC UiTM Section 17 (February 2004 – May 2012)
Lecturer, Nilai International College (September 2002 – January 2004)

Professional Membership

American Chemical Society (Member), 2017 – present
Malaysian Institute of Chemistry (Associate member), 2005 – present
Malaysian Analytical Sciences Society (Life member), 2004 – present
Institute of Materials Malaysia (Ordinary member), 2013 – 2018
Malaysian Solid State Science and Technology Society (Life member), 2013 – present

Interested Research Areas

Materials chemistry, photocatalysis, electrochemistry

AWARDS AND RECOGNITIONS

1. Silver Medal at Invention, Innovation and Design Exhibition (IID), UiTM 2006
2. UiTM Excellent Service Award, 2007
3. SLAI/UiTM scholarship for PhD from Ministry of Higher Education, Malaysia, 2008
4. Silver Medal at Innovation, Invention and Research Exhibition (PRPI), UPM, 2011
5. Excellent Graduate Award Faculty of Science, UPM, 2013
6. Best Poster Award at International Conference on Applied Sciences and Industrial Technology (ICASIT), 2015
7. Silver Medal at International Invention & Innovative Competition (InIIC) Series 2/2016, Port Dickson, 2016
8. UiTM Excellent Service Award, 2016
9. Gold Medal Award at Melaka International Intellectual Exposition 2017 (MIIEEx 2017), Melaka, 2017
10. Silver Award at Scientific Research Invention & Innovation Competition (SRIIC 2017, UiTM Shah Alam, 2017
11. Bronze Award for MOOC entitled Principles of Chemistry at National e-content Development Competition, UiTM Shah Alam, 2017
12. Bronze Award at UNIMAS Innovation & Technology Expo2017 (InTEX 17), UNIMAS Kuching, 2017.
13. Gold Medal Award at International Invention & Innovative Competition (InIIC) Series 1/2018, Kuala Lumpur, 2018
14. 5 star EK Tier 5 Performance Score 2018 for Electrochemical Materials and Sensors Group (EMSG), UiTM Shah Alam, 2019
15. Best Paper Award at Symposium of Frontier Materials and Industrial Applications 2019 (SFMIA 2019), Shah Alam, 2019
16. Bronze Award at Invention, Innovation & Design Exposition (IIDEX 2019), Shah Alam, 2019

POSTGRADUATE SUPERVISION

Doctor of Philosophy (PhD)

Name : Muhammad Aslam bin Mahmud
University : Universiti Teknologi MARA (UiTM)
Status : On-going
Role : Main supervisor

Name : Mohammad Haffizuddin Mohd Zaki
University : Universiti Teknologi MARA (UiTM)
Status : On-going
Role : Co-supervisor

Name : Asmaa Kadim Ayal
University : Universiti Putra Malaysia (UPM)
Status : Graduated 2017
Role : Co-supervisor

Master of Science (MSc)

Name : Siti Sarah Ismail
University : Universiti Teknologi MARA (UiTM)
Status : On-going
Role : Main supervisor

Name : Nur Nabilah Nusri
 University : Universiti Teknologi MARA (UiTM)
 Status : On-going
 Role : Main supervisor

Name : Mirra Edreena Bt Sallehudin
 University : Universiti Teknologi MARA (UiTM)
 Status : On-going
 Role : Co-supervisor

Name : Muhamad Akif Aizuddin bin Jasni
 University : Universiti Malaysia Sarawak (UNIMAS)
 Status : On-going
 Role : Co-supervisor

Name : Nur Farah Atikah binti Harun
 University : Universiti Teknologi MARA (UiTM)
 Status : Graduated 2018
 Role : Main supervisor

RECENT RESEARCH PROJECTS

Project No.	Project Title	Role	Year	Source of fund	Status
FRGS	Surface properties and electrochemical performance of nanoporous gold coating	Member	2019-2021	MOHE	Progressing
FRGS	Formation mechanism of functionalized Ag/TiO ₂ /cellulose acetate in the presence of ionic liquids to enhance photo-oxidation	Member	2019-2021	MOHE	Progressing
SDG Lestari	Device converting sunlight energy into electrical energy from anisoptera marginata and dillenia reticulata in kuala keniam community	Member	2019-2021	UiTM	Progressing
GIP Grant	Filling of 1D Titania Nanocoating with Cu by Electrodeposition for Solar Cell Application	Principle Investigator	2018-2020	UiTM	Progressing
Bestari Grant	Isolation and Characterization of Antimicrobial Peptide Hydrolysate of Food Product	Member	2018-2020	UiTM	Progressing
Lestari Grant	Preparation of Hybrid CuO/TiO ₂ Photocatalyst Responsive Towards Visible Light	Member	2017-2020	UiTM	Progressing
GIP Grant	Synthesis and Characterization of Metal-Doped Titania Nanotubes for Photoelectrochemical Cells	Principle Investigator	2016-2018	UiTM	Completed

FRGS	Electrochemical deposition and characterization of antimicrobial copper and copper alloy coatings	Member	2014-2016	MOHE	Completed
FRGS	Modulating photocatalytic and magnetic properties of magnetic titanium dioxide nanocomposites for pollutant removal	Member	2014-2016	MOHE	Completed
FRGS	Improvement on Photoelectrochemical Properties of High Aspect Ratio Titania Nanotubes	Principle Investigator	2014-2016	MOHE	Completed
Toray Research Grant	Fabrication of Copper Loaded Titania Nanotubes for Solar Energy Conversion	Principle Investigator	2014-2015	Toray Foundation Japan	Completed

REVIEWER

1. Reviewer for Walailak Journal of Science and Technology, Thailand (2015 – present).
2. Reviewer for e-academia Journal, UiTM Terengganu (2017)
3. Reviewer for International Journal on Advanced Science, Engineering and Information Technology (IJASEIT) (2018 – present)
4. Reviewer for Macromolecular Symposia (2018)
5. Reviewer for Journal of Materials Science: Materials in Electronics (JMSE) (2018-present)
6. Reviewer for Journal of Sustainability Science and Management (2019)
7. Reviewer for Journal of Hazardous Materials (2019)
8. Reviewer for Separation Science and Technology (2020)
9. Reviewer for Current Nanomaterials (2020)
10. Ad hoc reviewer for Pertanika Journal of Science and Technology (special issue), International Conference on Chemistry and Environmental Science Research (ICCESR, 2014 – 2016), Malaysia Journal of Analytical Science for ICASIT 2015, Graduate International Conference 2018 (GraCe 2018), International Conference of Global Sustainability and Chemical Engineering (ICGSCE 2018), Symposium of Frontier Materials and Industrial Applications (SFMIA 2019)

PUBLICATIONS

1. Zaki, M. F. M., Mohd, Y. Lim, Y.C. (2020). Surface Properties of Nanostructured Gold Coatings Electrodeposited at Different Potentials. *International Journal of Electrochemical Science*, 15, 11401-11415. **(SCOPUS - Q3)**
2. Jani, N. A, Haw, C., Chiu, W., Rahman, S. A., Khiew, P., Lim, Y.C, . . . Hamid, M. A. (2020). Photodeposition of Ag Nanocrystals onto TiO₂ Nanotube Platform for Enhanced Water Splitting and Hydrogen Gas Production. *Journal of Nanomaterials*, 2020, 7480367. **(SCOPUS - Q2)**
3. Kanakaraju, D, Bin Ya, M.H., Lim, Y.C, & Pace, A. (2020). Combined Adsorption/Photocatalytic dye removal by copper-titania-fly ash composite. *Surfaces and Interfaces*, 19, 100534. **(SCOPUS - Q1)**
4. Chin, L.Y., Harun, N. F. A., Ayal, A. K., Mohd, Y., & Pei, L. Y. (2019). Effect of photoelectrochemical electrolyte additives on the photoconversion efficiency of tungsten trioxide loaded titania nanotubes prepared via electrodeposition. *International Journal of Engineering and Advanced Technology*, 9(1), 5479-5484. **(SCOPUS)**
5. Kanakaraju, D., Lim, Y. C., & Pace, A. (2019). Concurrent removal of Cr (III), Cu (II), and Pb (II) ions from water by multifunctional TiO₂/Alg/FeNPs beads. *Sustainable Chemistry and Pharmacy*, 14, 100176. **(SCOPUS - Q2)**
6. Pei, L. Y., Ling, T. H., & Chin, L.Y. (2019). Photocatalytic activity of modified TiO₂ for methyl orange removal. *International Journal of Engineering and Advanced Technology*, 9(1), 5617-5623. **(SCOPUS)**
7. Lim, Y. P., & Lim, Y. C. (2019). Synthesis of Hybrid Cu-Doped TiO₂ Photocatalyst for Dye Removal. *Key Engineering Materials*, 797, 84-91. **(SCOPUS)**

8. Hussain, M.H., Bakar, N. F. A., Wong, F. I. N., Pei, L. Y., Chin, L. Y. & Naim, M.N. (2019). Electrospun Nitrogen-doped TiO₂ Nanofibrous Thin Film for Photovoltaic Application. *International Journal of Recent Technology & Engineering*, 8, 6994-7000. **(Non-indexed)**
9. Lim, Y.C., Hamdan, N. M., Harun, N. F. A. & Lim, Y. P. (2018). Photosensitization of TiO₂ Nanotube Arrays with Nanocrystalline PbS. *International Journal of Engineering & Technology*, 7, 560-564. **(SCOPUS)**
10. Affandi, N.D.N., Lim, Y.C., Fadil, F., Azhar, F.A. (2018). Fabrication and Characterisation of Titanium Dioxide (TiO₂)/PVA Nanofibre Composites using Electrospinning. *International Journal of Engineering & Technology*, 7, 348-351. **(SCOPUS)**
11. Siti Sarah Ismail, Zainiharyati Mohd Zain, Asmaa Kadim Ayal, Lim Ying Chin. (2018). Effect of gold solution concentration on the formation and photoelectrochemical properties of gold deposited titanium dioxide nanotubes. *Malaysian Journal of Analytical Sciences*, 22(5), 750-757. **(SCOPUS - Q3)**
12. Ayal, A. K., Farhan, A. M. & Chin, L. Y. (2018). Effect of Deposition Time of Mn on Photoelectrochemical Properties of Mn/TiO₂ Nanotubes. *International Journal of Engineering & Technology*, 7, 454-457. **(SCOPUS - Q3)**
13. Ayal, A. K., Lim, Y. C., & Farhan, A. M. (2018). Sensitization of Mn with CdS nanoparticles via electrochemical deposition technique for photocurrent enhancement of nanomaterial's-sensitized photoelectrochemical cells. *Research on Chemical Intermediates*, 1-10. **(SCOPUS - Q2)**
14. Harun, N. F. A., Mohd, Y., Lim, Y. P., Yin, C. Y., & Lim, Y. C. (2018). Understanding the characteristics, enhanced optical and photoelectrochemical performance of copper-loaded titania nanotubes synthesized via successive ionic layer adsorption reaction. *Journal of Materials Science: Materials in Electronics*, 29(16), 14210-14221. **(SCOPUS - Q2)**
15. Ayal, A. K., Zainal, Z., Lim, H. N., Talib, Z. A., Lim, Y. C., Chang, S. K., & Holi, A. M. (2018). Fabrication of CdSe Nanoparticles Sensitized TiO₂ Nanotube Arrays via Pulse Electrodeposition for Photoelectrochemical Application. *Materials Research Bulletin*, 106, 257-262. **(SCOPUS - Q1)**
16. Samsudin, N. A., Zainal, Z., Lim, H. N., Sulaiman, Y., Chang, S. K., Lim, Y. C., Ayal, A.K. & Amin, W. N. M. (2018). Capacitive performance of vertically aligned reduced titania nanotubes coated with Mn₂O₃ by reverse pulse electrodeposition. *RSC Advances*, 8(41), 23040-23047. **(SCOPUS - Q1)**
17. Nur Farah Atikah binti Harun, Yusairie bin Mohd, Lim Ying Pei, Lim Ying Chin. (2018). Fabrication of Tungsten Trioxide-loaded Titania Nanotubes as a Potential Photoanode for Photoelectrochemical Cell. *International Journal of Electrochemical Science*, 13, 5041-5053. **(SCOPUS - Q3)**
18. Kanakaraju, Devagi, Shahdad, Nurfatyha Rusydah bt Mohamad, Lim, Ying-Chin, & Pace, Andrea. (2018). Magnetic hybrid TiO₂/Alg/FeNPs triads for the efficient removal of methylene blue from water. *Sustainable Chemistry and Pharmacy*, 8, 50-62. **(SCOPUS - Q2)**
19. Samsudin, N. A., Zainal, Z., Lim, H. N., Sulaiman, Y., Chang, S. K., Lim, Y. C., Amin, M. & Nadrah, W. (2018). Enhancement of Capacitive Performance in Titania Nanotubes Modified by an Electrochemical Reduction Method. *Journal of Nanomaterials*, 2018. **(SCOPUS - Q2)**
20. Pei, L. Y., Suhaidi, A. N., Zulkifli, S. M., Hassim, S. H., Kanakaraju, D., & Lim, Y. C. (2017). Modified Spent Tea Leaves as Bioadsorbent for Methyl Orange Dye Removal. *Pertanika Journal of Science and Technology*, 25, 73-84. **(SCOPUS - Q3)**
21. Kanakaraju, D., Ahmad, N. L. B., Sedik, N. B. M., Long, S. G. H., Guan, T. M., & Chin, L. Y. (2017). Performance of solar photocatalysis and photo-fenton degradation of palm oil mill effluent. *Malaysian Journal of Analytical Sciences*, 21(5), 996-1007. **(SCOPUS - Q3)**
22. Daud, S.N.H., Haw, C.Y., Chiu, W.S., Aspanut, Z., Jani, N.A., Khiew, P.S., Lim, Y.C., Hamid, M.A. and Ali, A.M., (2017). 3D hyperbranched heterostructures of Ag nanocrystals-decorated ZnO nanopillars: controlled growth and characterization of the optical properties. *CrystEngComm*, 19, 5591-5603. **(SCOPUS - Q1)**
23. Jani, N. A., Haw, C. Y., Chiu, W. S., Rahman, S. A., Lim, Y. C., Khiew, P. S., & Yaghoubi, A. (2017). Understanding the effect of plasmonic enhancement on photocatalytic activity of TiO₂ nanotube arrays. *Materials Characterization*, 128, 134-141. **(SCOPUS - Q1)**
24. Ayal, A. K., Zainal, Z., Lim, H. N., Talib, Z. A., Lim, Y. C., Chang, S. K., & Holi, A. M. (2017). Photocurrent enhancement of heat treated CdSe-sensitized titania nanotube photoelectrode. *Optical and Quantum Electronics*, 49(4), 164. **(SCOPUS- Q2)**
25. Kanakaraju, D., Ravichandar, S., & Lim, Y. C. (2017). Combined effects of adsorption and photocatalysis by hybrid TiO₂/ZnO-calcium alginate beads for the removal of copper. *Journal of Environmental Sciences*, 55, 214-223. **(WOS - Q1)**
26. Ayal, A. K., Zainal, Z., Lim, H. N., Talib, Z. A., Lim, Y. C., Chang, S. K., Samsudin, N.A., Holi, A.M. and Amin, W.N.M. (2016). Electrochemical deposition of CdSe-sensitized TiO₂ nanotube arrays with enhanced

- photoelectrochemical performance for solar cell application. *Journal of Materials Science: Materials in Electronics*, 27(5), 5204-5210. **(SCOPUS - Q2)**
27. Lim Ying Chin, Zulkarnain Zainal, Zuraida Khusaimi, Siti Sarah Ismail. (2016). Electrochemical synthesis of ordered titania nanotubes in mixture of ethylene glycol and glycerol electrolyte, *Malaysia Journal of Analytical Sciences*, 20(2), 373-381. **(SCOPUS - Q3)**
 28. Lim Ying Chin, Zulkarnain Zainal, Mohd Zobir Hussein, Tan Wee Tee. (2016). Investigation on optical and photoelectrochemical properties of self-assembled titania nanotube arrays prepared by anodization, *Malaysian Journal of Analytical Sciences*, 20(1), 121-130. **(SCOPUS- Q3)**
 29. Asib, N. A. M., Afaah, A. N., Aadila, A., Mahmud, M. R., Lim, Y. C., Alrokayan, S. A. H., Khan, H. A., Rusop, M., & Khusaimi, Z. (2015). Influence of different molar concentrations of TiO₂ seeded-template to the growth of nanostructured ZnO. *Advanced Science Letters*, 21(12), 3698-3702. **(SCOPUS)**
 30. Ying-Chin Lim, Zulkarnain Zainal, Mohd Zobir Hussein, Wee-Tee Tan. (2014). Effect of Electrolyte Concentration on the Morphology and Photoelectrochemical Response of Titania Nanotubes Prepared by Electrochemical Anodisation, *Advanced Materials Research*, 832, 744-748. **(SCOPUS)**
 31. Ying-Chin Lim, Zulkarnain Zainal, Mohd Zobir Hussein, Wee-Tee Tan. (2013). Morphology and Dimensions Controlled of Titania Nanotubes Formed in Mixed Organic-Inorganic Electrolyte, *Advanced Materials Research*, 686, 13-17. **(SCOPUS)**
 32. Ying-Chin Lim, Zulkarnain Zainal, Mohd Zobir Hussein, Wee-Tee Tan. (2013). The Effect of Heat Treatment on Phase Transformation, Morphology and Photoelectrochemical Response of Short TiO₂ Nanotubes, *Digest Journal of Nanomaterials and Biostructures*, 8 (1), Jan-March, 167-176. **(SCOPUS - Q3)**
 33. Ying-Chin Lim, Zulkarnain Zainal, Mohd Zobir Hussein, Wee-Tee Tan. (2012). Effect of Water Content on Structural and Photoelectrochemical Properties of Titania Nanotube Synthesized in Fluoride Ethylene Glycol Electrolyte, *Advanced Materials Research*, 501, 204-208. **(SCOPUS)**
 34. Ying-Chin Lim, Zulkarnain Zainal, Wee-Tee Tan, Mohd Zobir Hussein. (2012). Anodization Parameters Influencing the Growth of Titania Nanotubes and Their Photoelectrochemical Response, *International Journal of Photoenergy*, Article ID 638017, 9 Pages. **(SCOPUS- Q2)**
 35. Ying-Chin Lim, Zulkarnain Zainal, Wee-Tee Tan, Mohd Zobir Hussein. (2012). Effect of Electrolyte Composition in Electrochemical Synthesis of Self-organized TiO₂ Nanotubes, *Advanced Materials Research*, 364, 298-302. **(SCOPUS)**
 36. Lim Ying Chin, Zulkarnain Zainal, Mohd Zobir Hussein and Tan Wee Tee. (2011). Fabrication of Highly Ordered TiO₂ Nanotubes from Fluoride Containing Aqueous Electrolyte by Anodic Oxidation and Their Photoelectrochemical Response, *Journal of Nanoscience and Nanotechnology*, 11(6), 4900-4909. **(SCOPUS - Q3)**
 37. Ying-Chin Lim, Zulkarnain Zainal, Wee-Tee Tan, Mohd Zobir Hussein. (2009). Preparation and Characterization of Nanostructured TiO₂ via Electrochemical Anodization in Aqueous Ammonium Fluoride, *Malaysian Journal of Chemistry*, 11(1), 129-135. **(SCOPUS – Q4)**

Proceedings

1. Kanakaraju, D., Hazim bin Ya, M., Akif Aizuddin bin Jasni, M., Sufian bin Endra, M., & Lim, Y.C. (2019). Fe Doped Titania Photocatalyst for Degradation of Methyl Orange. *Materials Today: Proceedings*, 19, 1657-1662.
2. Mahmud, M. A., Ying-Chin, L., Khusaimi, Z., & Zainal, Z. (2018). Tuning Structural Properties of Copper Doped Titania Nanotubes under Different Electrolyte pH. *Materials Today: Proceedings*, 5, S154-S159.
3. Ismail, S. S., Zain, Z. M., & Lim, Y. C. (2018). Effects of deposition time on the photoelectrochemical properties of gold nanoparticles decorated titanium dioxide nanotubes. In *AIP Conference Proceeding*, 2030(1), 020268. AIP Publishing.
4. Mahmud, M. A., Chin, L. Y., Khusaimi, Z., & Zainal, Z. (2018). Influence of deposition time on the surface morphology and photoelectrochemical properties of copper doped titania nanotubes prepared by electrodeposition. *AIP Conference Proceedings*, 1963(1), 020030.
5. Lim, Y.C., Siti, A.S., Nur Amiera, P., Devagi, K. and Lim, Y.P. (2017). Electrochemical deposition of copper decorated titania nanotubes and its visible light photocatalytic performance. In *AIP Conference Proceedings*, 1877(1), 070002.
6. Nur Farah Atikah Harun, Yusairie Mohd, Lim Ying Chin. (2017). Effect of sodium hydroxide on the reduction of copper (II) loaded on titania nanotubes. In *Proceedings of National Workshop on Functional Materials*, 165-168.

7. Siti Sarah Ismail, Zainiharyati Mohd Zain, Lim Ying Chin. (2017) Effect of deposition potential on the structural properties of gold decorated titania nanotubes. In *Proceedings of National Workshop on Functional Materials*, 175-179.
8. Muhammad Aslam, Lim Ying Chin, Zuraida Khusaimi, Zulkarnain Zainal (2016). Influence of deposition potential on copper deposited titania nanotubes via potentiostatic method and their photoelectrochemical properties. In *Proceedings book of The 7th International Conference on Postgraduate Education*, 172-177.
9. Asib, N. A. M., Afaah, A. N., Aadila, A., Mahmud, M. R., Lim, Y. C., Salman, A. H. A., Khusaimi, Z. (2015). Effect of molarity of TiO₂ seeded-template to the growth of ZnO nanostructures. *IOP Conference Series: Materials Science and Engineering*, 83(1), 012006.
10. Lim Ying Chin, Lim Ying Pei, Razzana bt Rosli, Nur Hazirah Mohd Atni. (2015). Immobilization of Nano-sized TiO₂ on Glass Plate for the Removal of Methyl Orange and Methylene Blue. In M. A. Hashim (Ed.), *ICGSCE 2014*: Springer Singapore, 105-113.

Book Chapters

1. Nur Farah Atikah Harun, Yusairie Mohd, Lim Ying Pei and Lim Ying Chin. "A WO₃ Sensitized Hollow TiO₂ Nanoarray for Solar Energy Conversion." In *Innovation for Sustainable Growth (Series 1)*, 27-31. Kuala Lumpur: MNNF Publisher, 2018
2. A. Mohd Yunus, Rafidah, Rozalana Ab Karim, Ying-Chin Lim and Kian-Kai Cheng. "Therapeutic effects and Processing Technology of Momordica Charantia." In *Advances in Malaysian herbal and Phytochemical Processing Technologies*, 111-136. Johor Bahru: Penerbit UTM Press, 2017
3. Mahmud, Muhammad Aslam, Lim Ying Chin, Zuraida Khusaimi and Zulkarnain Zainal. "Modification of Titanium Dioxide with Copper via Electrodeposition Technique and Its Application." In *Growing Creative & Innovative Solutions*, 67-72. Kuala Lumpur: MNNF Publisher, 2016

CONFERENCES AND SEMINAR ATTENDED

Invited Speaker

1. Solar Energy Conversion Boosting from the Sensitization of Titania Nanotubes with Tungsten Trioxide. Malaysia Japan International Conference on Nanoscience, Nanotechnology and Nanoengineering (MJIC), 28 February – 2 Mac 2020, Institute of Business Excellence, UiTM Shah Alam.

Oral

1. Effect of photoelectrochemical electrolyte additives on the photoconversion efficiency of tungsten trioxide loaded titania nanotubes. Symposium on Frontier Materials and Industrial Applications (SFMIA 2019), 29 August 2019, Grand Bluewave Hotel, Shah Alam.
2. Electrospun nitrogen-doped TiO₂ nanofibrous thin film for photovoltaic application. Symposium on Frontier Materials and Industrial Applications (SFMIA 2019), 29 August 2019, Grand Bluewave Hotel, Shah Alam.
3. Fabrication and characterization of titanium dioxide (TiO₂)/PVA nanofibre composites using electrospinning. 2nd International Conference on Applied Sciences and Industrial Technology (2nd ICASIT), Swiss Garden Hotel, Melaka.
4. Influence of potential on the photoelectrochemical properties of gold decorated titanium dioxide nanotubes. FSG Postgraduate Colloquium 2018, 21-22 November 2018, UiTM Shah Alam, Selangor
5. Effects of deposition time on the photoelectrochemical properties of gold nanoparticles decorated titanium dioxide nanotubes. International Conference di Advanced Material Engineering & Technology (ICAMET 2018), 29-30 April 2018, Eden Star Saigon Hotel, Ho Chi Minh City, Vietnam.
6. Effect of sodium hydroxide on the reduction of copper (II) loaded titania nanotubes. National Workshop on Functional Materials 2017, 17-18 January 2017, Universiti Malaya, Kuala Lumpur.
7. Influence of deposition time on the surface morphology and photoelectrochemical properties of copper doped titania nanotubes prepared via electrodeposition. 8th International Conference on Nanoscience and Nanotechnology 2017 (Nano SciTech 2017), 24-27 February 2017, UiTM Shah Alam, Selangor.
8. Effect of deposition potential on the structural properties of gold decorated titania nanotubes National Workshop on Functional Materials 2017, 17-18 January 2017, Universiti Malaya, Kuala Lumpur.

9. The effect of pH on copper(II) loaded on titania nanotubes as electrode for photoelectrochemical cell. 30th International Conference on Analytical Science (SKAM 30), 26-29 August 2017, Hatten Hotel, Malacca.
10. Tuning structural properties of copper doped titania nanotubes under different pH electrolyte. 7th Asian Conference on Colloid and Interface Science, 8-11 August 2017, Berjaya Times Square Hotel, Kuala Lumpur.
11. Photoelectrochemical properties of tungsten trioxide doped titania nanotubes prepared via electrodeposition method. 25th POLYCHAR 2017 (World Forum on Advanced Materials), 9-13 October 2017, Putra World Trade Centre, Kuala Lumpur.
12. Effect of concentration of gold solution on the photoelectrochemical properties of gold decorated titanium dioxide nanotubes. 30th International Conference on Analytical Science (SKAM 30), 26-29 August 2017, Hatten Hotel, Malacca.
13. Effect of copper concentration on the morphology and structural properties of copper loaded titania nanotubes prepared by electrodeposition. 2nd International Science, Technology and Engineering Conference (2nd ISTECE), 20-23 April 2016, Equatorial Hotel, Penang.
14. Influence of deposition potential on copper deposited titania nanotubes via potentiostatic method and their photoelectrochemical properties, 7th International Conference on Postgraduate Education (7th ICPE) 2016, 1 December 2016, Dewan Annex, UiTM Shah Alam.
15. Modified spent tea leaves as bioadsorbent for methyl orange removal, 3rd International Conference on Science and Social Research (CSSR2016), 6-7 December 2016, Everly Hotel, Putrajaya.
16. Photocatalytic activity of TiO₂ thin films, International Conference on Global Sustainability and Chemical Engineering (ICGSCE 2014), 20-22 August 2014, Cititel Mid Valley, Kuala Lumpur.
17. Effect of Fluoride Concentration on the Formation and Photoelectrochemical Response of Titania Nanotubes Formed in Ethylene Glycol, International Conference on Nanoscience and Nanotechnology 2013 (NANO-SciTech 2013), 1-4 Mac 2013, Grand Bluewave Hotel, Shah Alam.
18. Influence of Anodisation Voltage on the Structural and Photocurrent Response of Titania Nanotubes Formed in Viscous Organic Electrolyte, Fundamental Science Congress 2012: Chemistry Symposium, 17-18 July 2012, Universiti Putra Malaysia, Serdang.
19. Electrochemical Tuning of Titania Nanotubes Morphology in Mixed Organic-Inorganic Electrolyte, Paper presented at the 8th International Materials Technology Conference and Exhibition: Green Materials and Nanomaterials Symposium, from 9th – 12 July 2012, Putra World Trade Center, Kuala Lumpur.
20. Effect of Water Content on Structural and Photoelectrochemical Properties of Titania Nanotube Synthesized in Fluoride Ethylene Glycol Electrolyte, Regional Conference of Solid State Science and Technology (RCSST 2011), 22-24 November 2011, The Royale Bintang Hotel, Seremban.
21. Effect of Bath Temperature and Voltage Ramp on the Dimension of Titania Nanotubes Prepared by Electrochemical Anodization, International Conference on the Advancement of Materials & Nanotechnology (ICAMN II 2010), 29 November – 1 December 2010, Prince Hotel, K. Lumpur.
22. Effect of Thermal Treatment on the Morphology and Phase Transition of Titania Nanotube Array, 16th Malaysian Chemical Congress (16 MCC), 12-14 October 2010, PWTC Kuala Lumpur.
23. Synthesis and Characterization of TiO₂ Nanotubes by Anodic Oxidation, Paper presented at the Fundamental Science Congress 2010: Chemistry Symposium, 18-19 May 2010, Universiti Putra Malaysia, Serdang.
24. Preparation of TiO₂ by anodic oxidation using neutral electrolyte, 22nd Malaysian Symposium on Analytical Sciences 2009 (SKAM 2009), 11-13 August 2009, Putra World Trade Center, Kuala Lumpur.

Poster

1. Pulsed electrodeposition of different copper type precursors onto titania nanotubes for photoelectrochemical cell application. 9th International Conference on Nanoscience and Nanotechnology 2018 (Nano SciTech 2018), 26 February – 1 Mac 2018, Institute of Business Excellence (IBE), UiTM Shah Alam.
2. Photosensitization of TiO₂ nanotube arrays with nanocrystalline PbS. 2nd International Conference on Applied Sciences and Industrial Technology (2nd ICASIT), Swiss Garden Hotel, Melaka.
3. Effect of catalyst loading on the photocatalytic removal of dye by using CdS deposited TiO₂ nanotubes. Applied Sciences Undergraduate Conference (ACS 2018), 17 July 2018, UiTM Shah Alam.
4. Effect of solution concentration on the morphology of Ag₂S deposited titania nanotubes. Applied Sciences Undergraduate Conference (ACS 2018), 17 July 2018, UiTM Shah Alam.

5. Electrochemical synthesis and characterization of iron sensitized titania nanotubes as photoanode in photoelectrochemical cells. 30th International Conference on Analytical Science (SKAM 30), 26-29 August 2017, Hatten Hotel, Malacca.
6. Performance of solar-facilitated photocatalysis and photo-fenton degradations of palm oil mill effluent. Simposium Kimia Analisis Malaysia (SKAM 29), 15-17 August 2016, Bayview Hotel, Penang.
7. Electrochemical Synthesis of self-organized copper doped titania nanotube arrays with enhanced visible light photocatalytic performance, 4th International Conference on the Advancement of Materials and Nanotechnology IV (ICAMN IV 2016), 9-11 November 2016, Bayview Hotel, Langkawi
8. Roles of electrolyte natures in electrochemical formation of ordered titania nanotubes. International Conference on Applied Sciences and Industrial Technology 2015 (ICASIT 2015), 24-26 February 2015, Grand Lexis, Port Dickson.
9. Synthesis of silver particles supported on titania nanotube thin films by photochemical reduction. 28th Regional Symposium of Malaysian Analytical Sciences (SKAM 28), 17-20 August 2015, WEIL Hotel, Ipoh.
10. Immobilized titania loaded spent tea leaves for removal of methyl orange. 28th Regional Symposium of Malaysian Analytical Sciences (SKAM 28), 17-20 August 2015, WEIL Hotel, Ipoh.
11. Optical and Photoelectrochemical Properties of Titania Nanotubes Anodized in Different Electrolytic Medium. 27th Regional Symposium of Malaysia Analytical Sciences (SKAM 27), 9-10 December 2014, KSL Resort, Johor Bahru.
12. Influence of Anodization Voltage on the Dimensions of TiO₂ Nanotubes Formed in Ethylene Glycol-Water Mixtures, 14th Asian Chemical Congress (14th ACC), 5th – 8th September 2011, Bangkok Thailand.
13. Effect of electrolyte system in electrochemical growth of self-organized TiO₂ nanotubes, International Conference for Nanomaterials Synthesis and Characterization 2011 (INSC 2011), 4 -5 July 2011, Palace of the Golden Horses Hotel, Sri Kembangan Selangor.
14. Effect of Addition of Complexing Agent on the Growth of Titania Nanotubes Prepared by Electrochemical Oxidation, 2nd Seminar on Catalysis Science & Technology (2nd CAST), 24 November 2010, Universiti Putra Malaysia, Serdang.