

CURRICULUM VITAE

A. PERSONAL DATA

1. **Name** : Dr. Tan Yen Ping
2. **Address** : Department of Chemistry
Faculty of Science
Universiti Putra Malaysia
43400 UPM Serdang
Selangor Darul Ehsan
Malaysia
3. **Email** : typ@upm.edu.my
4. **Google Scholar** : https://scholar.google.nl/citations?user=6nOrzCEAAAJ&hl=en&citsig=AMstHGSfmbqfx7pMJ_QyqyjZVc_Ktqlr_w

B. ACADEMIC QUALIFICATION

Qualification	Institution
Doctor of Philosophy	University of Cambridge, United Kingdom
Bachelor of Science and Computer with Education (Honours)	Universiti Teknologi Malaysia (UTM)

C. ACADEMIC POSITION

Year	Position
2008 – present	Senior Lecturer
2002 – 2007	Lecturer

D. TEACHING EXPERIENCE

Course Name
Physical and Inorganic Chemistry
Physical Chemistry
Chemical Technology Principles
Industrial Chemistry
Industrial Chemistry I
Solid State Characterization
Research Methodology

E. RESEARCH ACTIVITIES

Fields of Specialization
Materials Chemistry
Environmental Chemistry
Heterogeneous Catalysis

Research Projects

Project Title	Role	Source of fund	Status
Synthesis and characterization of new pyrochlore materials as oxide ion conductors for sensor application	Project leader	MOSTI	Completed

Synthesis and characterization of bismuth-based oxide ion conductors as new sensor materials	Project leader	MOSTI	Completed
The use of low cost materials for the removal of pollutants from aqueous environment	Project leader	KPT	Completed
Synthesis and characterization of bismuth-based oxide ion conductors as new sensor materials	Project leader	UPM	Completed
Preparation of polypyrrole/graphene nanocomposite film for energy storage application	Project leader	UPM	Completed
Biodiesel production via transesterification of palm oil using bismuth-based oxides	Project leader	UPM	Completed
Application and modification of agricultural wastes as cost-effective biosorbent for colour remediation	Project leader	UPM	Completed
Preparation and characterization of novel solid acid catalysts from agricultural wastes via hydrothermal techniques	Sub-project leader	UPM	On-going
Removal of Pb (II) from aqueous solution by natural and chemically modified pineapple plant stem	Project leader	UPM	On-going

(Note: MOSTI – Ministry of Science, Technology and Innovation; KPT – Ministry of Higher Education)

F. SUPERVISION OF POSTGRADUATE STUDENTS

Program	Status	Main Supervisor	Co-supervisor
PhD	Graduated	4	2
	Ongoing	1	2
MSc	Graduated	5	2
	Ongoing	3	1

G. PUBLICATION

1. S. –L. Chan, Y. P. Tan, A. H. Abdullah and S. –T, Ong, “Equilibrium, kinetic and thermodynamic studies of a new potential biosorbent for the removal of Basic Blue 3 and Congo Red dyes: Pineapple (*Ananas comosus*) plant stem”, *Journal of the Taiwan Institute of Chemical Engineers*, 61 (2016) 306 – 315. (ISSN: 1876-1070) (IF: 2.735)
2. Y. C. Wong, Y. P. Tan, Y. H. Taufiq-Yap and I. Ramli, “Biodiesel production via transesterification of palm oil by using CaO-CeO₂ mixed oxide catalysts”, *Fuel*, 162 (2015) 288-293. (ISSN: 0016-2361) (IF: 3.52)
3. S. L. Lee, Y. C. Wong, Y. P. Tan and S. Y. Yew, “Transesterification of Palm Oil To Biodiesel by Using Waste Obtuse Horn Shell-Derived CaO Catalyst”, *Energy Conversion and Management*, 93 (2015) 282-288. (ISSN: 0196-8904) (IF: 4.38)
4. Y. C. Wong, Y. P. Tan, Y. H. Taufiq-Yap and I. Ramli, “An Optimization Study for Transesterification of Palm Oil using Response Surface Methodology (RSM)”, *Sains Malaysiana*, 44(2) (2015) 281-290. (ISSN: 0126-6039) (IF: 0.446)
5. P. S. Ong, Y. P. Tan, Y. H. Taufiq-Yap and Z. Zainal, “Improved Sinterability and Conductivity Enhancement of 10-Mol% Calcium-Doped Ceria Using Different Fuel-Aided Combustion

- Reactions and Its Structural Characterization”, *Materials Science and Engineering:B*, 185 (July) (2014) 26-36. (ISSN: 0921-5107) (IF: 2.169)
6. Y. S. Lim, Y. P. Tan, H. N. Lim, N. M. Huang, W. T. Tan, M. A. Yarmo and C. Y. Yin, “Potentiostatically Deposited Polypyrrole/Graphene Decorated Nano-Manganese Oxide Ternary Film for Supercapacitors”, *Ceramics International*, 40(3) (2014) 3855-3864. (ISSN: 0272-8842) (IF: 2.605)
 7. P. S. Ong, Y. P. Tan, Y. H. Taufiq-Yap and Z. Zainal, “Effects of pH in the incorporation of Mn²⁺ in Ce_{1-x}Mn_xO_{2-x} (0.05≤x≤0.25) solid solutions using oxalate co-precipitation technique and its characterizations”, *Materials Research Society Symposium Proceedings*, 1655(January) (2014) 34. (ISSN: 0272-9172) (IF: 0.089)
 8. Y. C. Wong, Y. P. Tan, Y. H. Taufiq-Yap and I. Ramli, “Effect of Calcination Temperatures of CaO/Nb₂O₅ Mixed Oxides Catalysts on Biodiesel Production”, *Sains Malaysiana*, 43(5) (2014) 783-790. (ISSN: 0126-6039) (IF: 0.446)
 9. P. S. Ong, Y. P. Tan, Y. H. Taufiq-Yap and Z. Zainal, “A Comparative Study on Mechanical Synthesized 10 mol% Yttrium-doped Ceria Ceramics”, *Pertanika Journal of Science and Technology*, 22(1) (2014) 35-42. (ISSN: 0128-7680) (IF: 0.011)
 10. Y. S. Lim, Y. P. Tan, H. N. Lim, N. M. Huang and W. T. Tan, “Preparation and Characterization of Polypyrrole/Graphene Nanocomposite Films and Their Electrochemical Performance”, *Journal of Polymer Research*, 20(6) (2013) 156. (ISSN: 1022-9760) (IF: 1.92)
 11. Y. S. Lim, Y. P. Tan, H. N. Lim, W. T. Tan, M. A. Mahnaz, Z. A. Talib, N. M. Huang, A. Kassim and M. A. Yarmo, “Polypyrrole/Graphene Composite Films Synthesized via Potentiostatic Deposition”, *Journal of Applied Polymer Science* 128 (2013) 224–229. (ISSN: 0021-8995) (IF: 1.6)
 12. Y. C. Wong and Y. P. Tan, “Physico-Chemical And Electrical Properties of Bismuth Chromate Solid Solutions”, *Pertanika Journal of Science and Technology*, 21(1) (2013) 97-110. (ISSN: 0128-7680) (IF: 0.011)
 13. M. L. Yuen, Y.P. Tan, K. B. Tan and Y. H. Taufiq-Yap, “Synthesis and Characterization of Electrical Properties of Bismuth Titanate”, *Advanced Materials Research*, 501 (2012) 101-105. (ISSN: 1022-6680) (IF: 0.14)
 14. M. S. Wong, I. Ramli, H. Abbastabar Ahangar, Y. H. Taufiq-Yap, Y. P. Tan and E. N. Muhamad, “Physicochemical Studies of Ni-, Co-, and Pt- Promoted MoVNbO_x Catalysts Synthesized by Impregnation Method”, *Oriental Journal of Chemistry*, 28(1) (2012) 59-65. (ISSN: 0970-020X) (IF: 0.27)
 15. P. S. Ong, Y. P. Tan and Y. H. Taufiq-Yap, “Mechanochemical Synthesis of Calcium-doped Ceria Oxide Ion Conductor”, *IOP Conf. Series: Materials Science and Engineering*, 17(1) (2011) 012017. (ISSN: 1757-8981) (IF: 0.15)
 16. P. S. Ong, Y. P. Tan, Y. H. Taufiq-Yap and Z. Zainal, “Synthesis and Ionic Conductivity of Mechanically Synthesized Yttrium-doped Ceria Solid Solutions”, *Journal of Applied Sciences*, 11(8) (2011) 1285-1290. (ISSN: 1812-5662) (IF: 0.16)
 17. S. Y. Wong, Y. P. Tan, A. H. Abdullah and S. T. Ong, “Removal of Basic Blue 3 and Reactive Orange 16 by Adsorption onto Quaternized Sugar Cane Bagasse”, *The Malaysian Journal of Analytical Sciences*, 13(2) (2009) 185-193. (ISSN: 1394-2506)
 18. S. Y. Wong, Y. P. Tan, A. H. Abdullah and S. T. Ong, “The Removal of Basic and Reactive Dyes Using Quaternized Sugar Cane Bagasse”, *Journal of Physical Science*, 20(1) (2009) 59-74. (ISSN: 1675-3402)

19. S. N. Ng, Y. P. Tan and Y. H. Taufiq-Yap, "Mechanochemical Synthesis and Characterization of Bismuth Oxide Ion Conductor", *Journal of Physical Science*, 20(1) (2009) 75-86. (ISSN: 1675-3402)
20. K. B. Tan, C. C. Khaw, C. K. Lee, Z. Zainal, Y. P. Tan and H. Shaari, "High Temperature Impedance Spectroscopy study of Non-stoichiometric Bismuth Zinc Niobate Pyrochlore", *Materials Science-Poland*, 27(4) (2009) 947-959. (ISSN: 2083-1331) (IF: 0.507)
21. K. B. Tan, C. C. Khaw, C. K. Lee, Z. Zainal, Y. P. Tan and H. Shaari, "High Temperature Impedance Spectroscopy study of Non-stoichiometric Bismuth Zinc Niobate Pyrochlore", *Materials Science-Poland*, 27(3) (2009) 825-837. (ISSN: 2083 1331) (IF: 0.507)
22. K. B. Tan, C. K. Lee, Z. Zainal, C. C. Khaw, Y. P. Tan and H. Shaari, "Reaction Study and Phase Formation in Bi₂O₃-ZnO-Nb₂O₅ Ternary System", *Pacific Journal of Science and Technology*, 9(2) (2008) 468-479. (ISSN: 1551-7624)
23. S. N. Ng, Y. P. Tan and Y. H. Taufiq-Yap, "Preparation and Characterization of Bismuth Niobium Oxide Ion Conductors", *Solid State Science and Technology*, 16(1) (2008) 205-214.
24. K. B. Tan, C. K. Lee, Z. Zainal, Y. P. Tan and S. A. Halim, "Phase Diagram, Structural and Electrical Properties of Pyrochlores in Bi₂O₃-ZnO-Nb₂O₅ Ternary System", *Science Putra*, 15(2) (2007) 37.
25. K. B. Tan, C. K. Lee, Z. Zainal, Y. P. Tan and S. A. Halim, "Phase Study and Electrical Properties of Divalent-doped Non-stoichiometric Bismuth Zinc Niobate Cubic Pyrochlore", *Solid State Science and Technology*, 15(1) (2007) 74-81.
26. C. C. Khaw, C. K. Lee, Z. Zainal, Y. P. Tan and Y. H. Taufiq-Yap, "Phase Diagram and Dielectrical Properties of Materials in Bi₂O₃-ZnO-Ta₂O₅ System", *Solid State Science and Technology*, 15(1) (2007) 156-162.
27. Y. P. Tan, S. Khatua, S. J. Jenkins, J. Yu, J. B. Spencer and D. A. King, "Catalyst-Induced Changes in a Substituted Aromatics: a Combined Approach via Experiment and Theory", *Surface Science*, 589 (2005) 173-183. (ISSN: 0039-6028) (IF: 1.925)