# PUBLICATION OF PROF. DATO’ IR. DR. WAN RAMLI WAN DAUD FASc FTWAS

## H-indices and Citation Data

ISI WOS Publon Researcher ID: B-3635-2013 on 16 Feb 2022.

* Number of Indexed Articles WOS: 368
* H-Index ISI WOS (1995-2021) : 55
* Total citations ISI WOS (1995-2021): 11,401

SCOPUS Author ID: 35547717400 on 16 Feb 2022

* Number of Indexed Articles SCOPUS: 379
* H-Index SCOPUS (1995-2021): 59
* Total citations SCOPUS (1995-2021): 12,538

GOOGLE SCHOLAR on 16 Feb 2022.

* Number of Indexed Articles GOOGLE: 557
* H-Index GOOGLE SCHOLAR (1995-2021): 68
* Total citations GOOGLE SCHOLAR (1995-2021): 17,954

## Publication Summary:

Published 1049 articles:

* Published 414 articles in international journals,
* Published 401 articles in international conference proceedings
* Published 235 articles in national conference proceedings
* Published 2 international research books
* Published 6 chapters in international research books
* Edited 6 international conference proceedings
* Edited 8 journal issues as Chief Editor of Jurnal Kejuruteraan and Jurnal Kejuruteraan Kimia.
* Guest edited 3 Special Issues of International Journal of Hydrogen Energy
* Published 2 national books
* Published 5 chapters in national research books
* Translated 2 books

## Articles in International Journals:

**Year 2021:**

1. Daud, S.M., Abu Bakar, M.H., Wan Daud, W.R., Kim, B.H., Md Jahim, J., Muchtar, A., Somalu, M.R., Lee, P.H. & Abdul, P.M. 2021. Improvement of microbial fuel cell performance using novel kaolin earthenware membrane coated with a polybenzimidazole layer. Energy Science and Engineering (under publication).
2. Wong, C.Y., Wong, W.Y., Loh, K.S., Khalid, M., Daud, W.R.W., Lim, K.L. & Walvekar, R. 2021. Enhancement in hydrolytic stability and proton conductivity of optimised chitosan/sulfonated poly (vinyl alcohol) composite membrane with inorganic fillers. International Journal of Energy Research:1-17.
3. Jafary, T., Yeneneh, A.M., Daud, W.R.W., Al-Attar, M.S.S., Al-Masani, R.K.M., Rupani, P.F. 2021. Taxonomic classification of sulphate-reducing bacteria communities attached to biocathode in hydrogen-producing microbial electrolysis cell. Int. J. Environ. Sci. Technol.: 1-10.
4. Wan Ramli bin Wan Daud 2019. Kincir air Malayonesia: satu kajian awal Kesturi 29 (1 & 2): 97-120 (Terbit 2021).
5. Ahmad Junaidi, N.H., Wong, W.Y., Loh, K.S., Rahman, S., Daud, W.R.W. 2021. A comprehensive review of MXenes as catalyst supports for the oxygen reduction reaction in fuel cells. International Journal of Energy Research (Article in Press).
6. Lim, B.H., Majlan, E.H., Tajuddin, A., Husaini, T., Daud, W.R.W., Mohd Radzuan, N.A., Haque, M.A. 2021. Comparison of catalyst-coated membranes and catalyst-coated substrate for PEMFC membrane electrode assembly: A review. Chinese Journal of Chemical Engineering 33:1-16.
7. Nasir, M.F., Daud, W.R.W., Mohamed, M.A., Mamat, M.H., Abdullah, S. & Mahmood, M.R. 2021. Physicochemical Properties of Surface Modified ZnFe2O4 Nanocomposite Incorporated with Bio-templated Kapok Fiber for Photoelectrochemical Application. Surface and Interface Analysis 53(7):637-649.
8. Salehmin, M.N.I., Nasir, M.F., Mohamed, M.A., Rosman, N.N., Moridon, S.N.F., Minggu, L.J. & Daud, W.R.W. 2021. Reduced graphene oxide as protective material on cuprous oxide nanowire; the challenges and proposal for improvement in photoelectrochemical application. Surface and Coatings Technology, 127127.
9. Salehmin, M.N.I., Lim, S.S., Satar, I. & Daud, W.R.W. 2021. Pushing microbial desalination cells towards field application: Prevailing challenges, potential mitigation strategies, and future prospects. Science of The Total Environment, 759:143485.
10. Rubinsin, N.J., Daud, W.R.W., Kamarudin, S.K., Masdar, M.S., Rosli, M.J., Samsatli, S., Tapia, J.F.D., Karim Ghani, W.A.W.W., Hasan, A. & Lim, K.L. 2021. Modelling and optimisation of oil palm biomass value chains and the environment–food–energy–water nexus in peninsular Malaysia. Biomass and Bioenergy 144, 105912.
11. Markom, M., Hassim, N., Hasan, M. & Daud, W.R.W.2021. Modeling of supercritical fluid extraction by enhancement factor of cosolvent mixtures. Separation Science and Technology 56(7):1290-1302.

**Year 2020:**

1. Wei, T.M., Daud, W.R.W., Jafary, T., Somalu, M.R., Sitorus, S.R.I. & Bakar, M.H.A. 2020. Low operating cost approach in Spirulina platensis bio-photovoltaic cell. International Journal of Nanotechnology 17 (11-12):840-856.
2. Nasir, M.F.M., Daud, W.R.W., Mohamed, M.A. & Mamat, M.H. 2020. Effect of precursors on the growth and physiochemical properties of bio-mimetic ZnFe nanocomposites for photoelectrochemical application. Sains Malaysiana 49 (12):3165-3174.
3. Hussain, M.A. & Daud, W.R.W. 2020 Special Issue on Modelling and Process Control of Fuel Cell Systems. Processes 8 (12):1592.0
4. Satar, I., Bakar, M.H.A., Daud, W.R.W., Yasin, N.H.M., Somalu, M.R. & Kim, B.H. 2020. Feasibility of Ni/Ti and Ni/GF cathodes in microbial electrolysis cells for hydrogen production from fermentation effluent: A step toward real application. International Journal of Energy Research 44(9):7464-7476
5. Juhari, A.N., Sharani, M.S., Daud, W.R.W., Jafary, T. & Bakar, M.A 2020. UKM2 chlorella sp. strain electricity performance as bio-anode under different light wavelength in a biophotovoltaic cell (Prestasi elektrik strain UKM2 chlorella sp. sebagai bio-anod di bawah gelombang cahaya berbeza dalam sel biofotovoltan) Sains Malaysiana 49 (12): 3229-3241.
6. Nasir, M.F.M., Daud, W.R.W., Mohamed, M.A., Mamat, M.H., Abdullah, S. & Mahmood, M.R. 2020. Effect of Precursors on the Growth and Physiochemical Properties of Bio-mimetic ZnFe2O4 Nanocomposites for Photoelectrochemical Application (Kesan Prekursor terhadap Pertumbuhan dan Sifat Fisiokimia Nanokomposit ZnFe2O4 Bio-mimetik untuk Aplikasi Fotoelektrokimia). Sains Malaysiana 49(12): 3219-3228.
7. Yusoff, Y.N., Loh, K.S., Wong, W.Y. Daud, W.R.W. & Lee, T.K. 2020. Sulfonated graphene oxide as an inorganic filler in promoting the properties of a polybenzimidazole membrane as a high temperature proton exchange membrane. International Journal of Hydrogen Energy 45 (51), 27510-27526.
8. Wong, C.Y., Wong, W.Y., Loh, K.S., Khalid, K., Daud, W.R.W., Lim, K.L. & Walvekar, R. 2020. Influences of crosslinked carboxylic acid monomers on the proton conduction characteristics of chitosan/SPVA composite membranes. Polymer 203:122782.
9. Satar, I., Bakar, M.H.A., Daud, W.R.W., Yasin, N.H.M., Somalu, M.R. & Kim, B.H. 2020. Performance of nickel-iron foam (Ni-Fe) cathode in bio-electrochemical system for hydrogen production from eﬄuent of glucose fermentation. Materials Science & Engineering B 260:114613.
10. Zainal, S.A., Daud, W.R., Rosli, M.I., Harun, S., Putra, Z.A., Bilad, M.R. 2020. Integrated surface and sub-surface simulation model in a single simulation platform. Indonesian Journal of Science and Technology 5(1):109-124.
11. Wong, C.Y., Wong, W.Y., Loh, K.S., Daud, W.R.W., Lim, K.L., Khalid, M. & Walvekar, R. 2020. Development of poly (vinyl alcohol)-based polymers as proton exchange membranes and challenges in fuel cell application: a review. Polymer Reviews 60 (1):171-202.
12. Daud, S.M., Daud, W.R.W., Bakar, M.H.A., Kim, B.H., Somalu, M.R., Muchtar, A., Jahim, J.M. & Ali, S.A.M. 2020. Low-cost novel clay earthenware as separator in microbial electrochemical technology for power output improvement. Bioprocess and Biosystems Engineering 43:1369–1379
13. Lim, B.H., Majlan, E.H., Daud, W.R.W., Rosli, M.I. & Husaini, T. 2020. Numerical investigation of the effect of three-dimensional modified parallel flow field designs on proton exchange membrane fuel cell performance. Chemical Enginering Science 217: 115499.
14. Lim, S.S., Fontmorin, J.-M., Izadi, P., Daud, W.R.W., Scott, K &, Yu, E.H. 2020. Impact of applied cell voltage on the performance of a microbial electrolysis cell fully catalysed by microorganisms. International Journal of Hydrogen Energy 45 (4): 2557-2568
15. Liew, K.B., Leong, J.X., Daud, W.R.W., Ahmad, A., Hwang, J.J. & Wu, W. 2020. Incorporation of silver graphene oxide and graphene oxide nanoparticles in sulfonated polyether ether ketone membrane for power generation in microbial fuel cell. Journal of Power Sources 449: 227490.
16. Yahaya, A.Z., Somalu, M.R., Muchtar, A., Sulaiman, S.A. & Daud, W.R.W. 2020. Effects of temperature on the chemical composition of tars produced from the gasification of coconut and palm kernel shells using downdraft fixed-bed reactor. Fuel 265, 116910
17. Rubinsin, N.J., Daud, W.R.W., Kamarudin, S.K., Masdar, M.S., Rosli, M.I., Samsatli, S., Tapia, J.F., Wan Ab Karim Ghani, W.A. & Lim, K.L. 2020. Optimization of oil palm empty fruit bunches value chain in Peninsular Malaysia. Food and Bioproducts Processing 119:179–194
18. Samad, S., Loh, K.S., Wong, W.Y., Sudarsono, W., Lee, T.K. & Daud, W.R. W. 2020. Effect of various Fe/Co ratios and annealing temperatures on a Fe/Co catalyst supported with nitrogen-doped reduced graphene oxide towards the oxygen reduction reaction. Journal of Alloys and Compounds. 816: 152573.

**Year 2019:**

1. Hasran, U.A., Jalil, N.F.A., Din, R., Daud, W.R.W. & Mat Noor, S.F. 2019. Pendidikan Teknologi Multidisiplin: Mengenali Sel Fuel Dengan Pendekatan Pembelajaran Berasaskan Permainan. Asean Journal of Teaching and Learning in Higher Education (AJTLHE) 11(2):36-54.
2. Mahmood, M.M., Daud, W.R.W., Markom, M., Mansor, C.N.A.N.C. & Latif, J. 2019. Effects of pressure variation and dynamic extraction time in supercritical fluid extraction (SFE) with cosolvent on bioactive compounds from Orthosiphon stamineus. Malaysian Journal of Fundamental and Applied Sciences 15 (5):712-715
3. Majlan, E.H., Daud, W.R.W., Husaini, T., Rosli, M.I., Sulong, A.B. & Sebayang D 2019. Finite element analysis for stress distribution in a proton exchange membrane fuel cell stack. International Journal of Integrated Engineering 11 (7): 233-240.
4. Raba'atun Adawiyah Shamsuddin, Mimi Hani Abu Bakar, Wan Ramli Wan Daud, Kim Byung Hong, Jamaliah Mat Jahim 2019. Can electrochemically active biofilm protect stainless steel used as electrodes in bioelectrochemical systems in a similar way as galvanic corrosion protection? International Journal of Hydrogen Energy 44(58):30512-30523.
5. Ismail, A., Kamarudin, S.K., Daud, W.R.W., Masdar, S. & Hasran, U.A. 2019. Development of optimisation model for direct methanol fuel cells via cell integrated network. International Journal of Hydrogen Energy 44(58):30606-30617
6. Rosli, R.E., Sulong, A.B., Daud, W.R.W., Zulkifley, M.A., Rosli, M.I., Majlan, E.H., Haque, M.A. & Radzuan N.A.M. 2019. The design and development of an HT-PEMFC test cell and test station. International Journal of Hydrogen Energy 44(58): 30763-30771.
7. Jafary, T., Daud, W.R.W., Ghasemi, M., Bakar, M.H.A., Sedighi, M. & Kim, B.H. 2019. Clean hydrogen production in a full biological microbial electrolysis cell. International Journal of Hydrogen Energy 44(58):30524-30531.
8. Zainal, S.A., Daud, W.R.W., Rosli, M.I., Harun, S. and Putra, Z.A. 2019. Integrated surface and sub-surface simulation model in a single simulation platform Indonesian Journal of Science & Technology 4(1): 2-17.
9. Nor, M.M., Putra, Z.D., Bilad, M.R., Nordin, N.A.H.M., Wirzal, M.D.H., Abidin, S.A.Z. & Daud W.R.W. 2019. Well connection optimization in integrated subsurface and surface facilities: an industrial case study Journal of Petroleum Exploration and Production Technology 9(4):2921-2926..
10. Wong, C.Y., Wong, W.Y., Ramya, K., Khalid, M., Loh, K.S., Daud, W.R.W., Lim, K.L., Walvekar, R. & Kadhum, A.A.H. 2019. Additives in proton exchange membranes for low-and high-temperature fuel cell applications: A Review. International Journal of Hydrogen Energy 44:6116-6135.
11. Gusti Ayu Arwati, Edy Herianto Majlan, Wan Ramli Wan Daud, Loh Kee Shyuan, Khuzaimah Binti Arifin, Teuku Husaini, Sagir Alva, Nabilah Afiqah Mohd Radzuan 2019. Kesan pemendapan elektroforesis gam Arab terhadap halaju kakisan pada aluminium 5052. Sains Malaysiana 48(2):401–406.
12. Nur Fawwaz Asri, Teuku Husaini, Abu Bakar Sulong, Edy Herianto Majlan, Wan Ramli Wan Daud, Bushroa Abdul Razak, Nabilah Afiqah Mohd Radzuan 2019. Chromium Carbonitride (CrCN) Coatings on SUS 316L with potential application as bipolar plate in PEMFC. International Journal of Engineering & Technology 8 (1.1):44-52
13. Ahmad Zubair Yahaya, Mahendra Rao Somalu, Andanastuti Muchtar, Shaharin Anwar Sulaiman, Wan Ramli Wan Daud 2019. Effect of particle size and temperature on gasification performance of coconut and palm kernel shells in downdraft fixed-bed reactor. Energy 175: 931-940
14. Umi Azmah Hasran, Siti Kartom Kamarudin, Burhanuddin Yeop Majlis, Wan Ramli Wan Daud, Abdul Amir Hassan Kadhum, Gandi Sugandi 2019. Nd: YAG laser fabrication of silicon electrode plates for a combined-mode micro direct methanol fuel cell. Malaysian Journal of Analytical Sciencesl 23(2):345 – 354.
15. Umi Azmah Hasran, Siti Kartom Kamarudin, Burhanuddin Yeop Majlis, Wan Ramli Wan Daud, Abdul Amir Hassan Kadhum, Gandi Sugandi 2019. Laser-assisted silicon etching for micro fuel cell electrode plate fabrication. Malaysian Journal of Analytical Sciences 23 (2): 362 – 375.
16. Mulyazmi, Daud, W.R.W., Rahman, E.D., Purwantika, Mulya, P.A dan Sari, N.G. 2019. Effect of operating conditions on the liquid water content flowing out of the cathode side and the stability of pem fuel cell performance. International Journal of Technology 10(3): 634-643
17. Lim, B.H., Majlan, E.H., Daud, W.R.W., Rosli M.I. & Husaini T.2019. Three-dimensional study of stack on the performance of the proton exchange membrane fuel cell. Energy 169: 338-343.
18. Daud, S.M., Daud, W.R.W., Bakar, M.H.A., Kim, B.H., Somalu, M.R., Jahim, J.M., Muchtar, A. & Ghasemi, M. 2019. A comparison of long-term fouling performance by zirconia ceramic filter and cation exchange in microbial fuel cells. International Biodeterioration & Biodegradation 136:63-70

**Year 2018:**

1. Gusti Ayu Arwati, Edy Herianto Majlan, Wan Ramli Wan Daud, Khuzaimah Binti Arifin, Teuku Husaini, Nabilah Afiqah Mohd Radzuan 2018. Kesan Pemendapan Elektroforesis Gam Arab Terhadap Kakisan SS316 L dalam Persekitaran Asid (Effect of Arabic Gum Electrophoresis Desposition on Corrosion of SS316L in Acidic). Jurnal Kejuruteraan SI 1(1): 59-64.
2. Shamsuddin, R.A., Wan Daud, W.R., Hong, K.B.,Jahim, J.M., Abu Bakar, M.H., Yunus, R.M., & Aqma Wan Mohd Noor, W.S. 2018. Electrochemical characterisation of heat-treated metal and non-metal anodes using mud in microbial fuel cell. Sains Malaysiana 47 (12):3043-3049.
3. Raba’atun Adawiyah Shamsuddin, Mimi Hani Abu Bakar, Rozan Mohamad Yunus, Wan Ramli Wan Daud, Jamaliah Md. Jahim & Wan Syaidatul Aqma 2018. Aplikasi keluli tahan karat sebagai elektrod logam di dalam sistem bioelektrokimia (Stainless Steel Application as Metal Electrode in Bioelectrochemical System) Jurnal Kejuruteraan SI 1(1) 2018: 65-75.
4. Wafi, N.I.B., Daud, W.R.W., Ahmad, A., Majlan E.H. & Somalu, M.R. 2018. Effect of lithium hexafluorophosphate LiPF6 and 1-butyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imide [Bmim] [TFSI] immobilized in poly(2-hydroxyethyl methacrylate) PHEMA. Polymer Bulletin. 76 (7): 3693–3707
5. Lim, B.H., Majlan, E.H., Daud, W.R.W., Rosli M.I. & Husaini. T. 2018. Numerical analysis of flow distribution behavior in a proton exchange membrane fuel cell. Heliyon 4: e00845
6. Masniza Mohamed@Mahmood, Wan Ramli Wan Daud, Masturah Markom & Che Nurul Ain Nadirah Che Mansor 2018. Cosolvent selection for supercritical fluid extraction (SFE) of bioactive compounds from Orthosiphon stamineus (Pemilihan kopelarut bagi pengekstrakan bendalir lampau genting (SFE) sebatian bioaktif daripada Orthosiphon stamineus). Sains Malaysiana 47(8): 1741–1747.
7. Marliyana Mokhtar, Edy Herianto Majlan, Azizan Ahmad, Siti Masrinda Tasirin & Wan Ramli Wan Daud. 2018. Effect of ZnO filler on PVA-Alkaline solid polymer electrolyte for Aluminum-air battery applications. Journal of The Electrochemical Society, 165 (11): A1-A10.
8. Joy Wei Yi Liew, Kee Shyuan Loh, Azizan Ahmad, Kean Long Lim & Wan Ramli Wan Daud 2018. Effect of modified natural filler o -methylene phosphonic κ-carrageenan on chitosan-based polymer electrolytes, Energies, 11(7):1910.
9. Mostafa Ghasemi, Abdullah Al-Mamun, Ahmad Fauzi Ismail, Mahad Baawain, Saad A. Aljlil, Tahereh Jafary, Wan Ramli W. Daud 2018. Simultaneous organics, sulphate and salt removal in a microbial desalination cell with an insight into microbial communities. Desalination 445:204-212.
10. Toh, S.Y., Loh, K.S., Kamarudin, S.K. & Daud, W.R.W. 2018. Facile preparation of ultra-low Pt loading graphene-immobilized electrode for methanol oxidation reaction. International Journal of Hydrogen Energy 43(33): 16005-16014.
11. Satar, I., Daud, W.R.W., Kim, B.H., Somalu, M.R., Ghasemi, M., Bakar, M.H.A., Jafary, T. & Timmiati S.N. 2018. Performance of titanium–nickel (Ti/Ni) and graphite felt-nickel (GF/Ni) electrodeposited by Ni as alternative cathodes for microbial fuel cells. Journal of the Taiwan Institute of Chemical Engineers 89: 67-76
12. Swee Su Lim, Byung Hong Kim, Da Li, Yujie Feng, Wan Ramli Wan Daud, Keith Scott and Eileen Hao Yu 2018. Effects of applied potential and reactants to hydrogen-producing biocathode in a microbial electrolysis cell. Frontiers in Chemistry 6:318
13. N Sulaiman, MA Hannan, A Mohamed, PJ Ker, EH Majlan, WRW Daud 2018. Optimization of energy management system for fuel-cell hybrid electric vehicles: Issues and recommendations. Applied Energy 228:2061-2079.
14. Mohamed, W.A.N.W., Talib, S.F.A., Zakaria, I.A., Mamat, A.M.I. & Daud, W.R.W. 2018. Effect of dynamic load on the temperature profiles and cooling response time of a proton exchange membrane fuel cell Journal of the Energy Institute 91 (3), 349-357
15. Mahmud, M.S., Yaakob, Z., Mohamad, A.B., Daud, W.R.W. & Dai Viet, V.N. 2018. Amorphous structure in Cu-Zn-V-Al oxide composite catalyst for methanol reforming. IIUM Engineering Journal 19 (1):197-214
16. Ismail, A., Kamarudin, S.K., Daud, W.R.W., Masdar, S., Hasran, U.A. 2018. Development of 2D multiphase non-isothermal mass transfer model for DMFC system. Energy 152:263-276.
17. Samad, S., Loh, K.S., Wong, W.Y., Lee, T.K., Sunarso, J., Chong, S.T. & Daud, W.R.W. 2018. Carbon and non-carbon support materials for platinum-based catalysts in fuel cells. International Journal of Hydrogen Energy 43(16):7823-7854.
18. Majlan, E.H., Rohendi, D., Daud, W.R.W., Husaini, T., &, Haque, M.A. 2018. Electrode for proton exchange membrane fuel cells: A review. Renewable and Sustainable Energy Reviews 89:117-134
19. Leong, J.X., Diño, W.A., Ahmad, A., Daud, W.R.W. & Kasai, H. 2018. Increasing the proton conductivity of sulfonated polyether ether ketone by incorporating graphene oxide: morphology effect on proton dynamics. Japanese Journal of Applied Physics 57 (3): 035201
20. Zakaria, I., Mohamed, W.A.N.W., Azmi, WE.H., Mamat, A.M.I., Mamat, R. & Daud, W.R.W. 2018 Thermo-electrical performance of PEM fuel cell using Al2O3 nanofluids. 2018. International Journal of Heat and Mass Transfer 119:460-471.
21. Daud, S.M., Daud, W.R.W., Kim, B.H., Somalu, M.R., Bakar, M.H.A., Muchtar, A., Jahim, J.M., Lim, S.S., & Chang, I.S. 2018. Comparison of performance and ionic concentration gradient of two-chamber microbial fuel cell using ceramic membrane (CM) and cation exchange membrane (CEM) as separators. Electrochimica Acta 259: 365-376.

**Year 2017:**

1. Jaafar, S,N.H., Minggu, L.J., Arifin, K., Kassim, M.B. & Daud, W.R.W. 2017. Photoelectrochemical analysis of titanium dioxide by using oxalic acid as a sacrificial donor. Jurnal Teknologi 79 (5–3) 125–130.
2. Jaafar, S,N.H., Minggu, L.J., Arifin, K., Kassim, M.B. & Daud, W.R.W. 2017. Natural dyes as TIO2 sensitizers with membranes for photoelectrochemical water splitting: An overview. Renewable and Sustainable Energy Reviews 78:698–709.
3. Asri, N.F., Husaini, T., Majlan, E.H., Sulong, A.B. & Daud, W.R.W. 2017. Electrochemical behaviour and interfacial contact resistance of Ti-6Al-4V and SUS 316L plates with potential application as a bipolar plate in PEMFC. Journal of Mechanical Engineering SI 4(1):155-170.
4. Satar, I., Daud, W.R.W, Kim, B.H., Somalu, M.R. & Ghasemi, M. 2017 Immobilized mixed-culture reactor (IMcR) for hydrogen and methane production from glucose. Energy 139:1188-1196
5. Liew, J.W.Y., Loh, K.S., Ahmad, A,. Lim, K.L. Daud W.R.W. 2017. Synthesis and characterization of modified κ-carrageenan for enhanced proton conductivity as polymer PLOS one 12 (9): e0185313.
6. Jafary, T., Daud, W.R.W., Ghasemi, M., Kim, B.H., Carmona-Martínez, A.A., Bakar, M.H.A., Jahim, J.M., & Ismail, M. 2017. A comprehensive study on development of a biocathode for cleaner production of hydrogen in a microbial electrolysis cell. Journal of Cleaner Production 164:1135-1144
7. Fadzillah, D.M., Rosli, M.I., Talib, M.Z.M., Kamarudin, S.K. & Daud, W.R.W. 2017. Review on microstructure modelling of a gas diffusion layer for proton exchange membrane fuel cells. Renewable and Sustainable Energy Reviews 77:1001-1009.
8. Daud, W.R.W., Rosli, R.E., Majlan, E.H., Hamid, S.A.A., Mohamed, R. & Husaini T. 2017. PEM fuel cell system control: A review. Renewable Energy 113: 620-638.
9. Lim, S.S., Yu, E.H., Daud, W.R.W., Kim, B.H. & Scott, K. 2017. Bioanode as a limiting factor to biocathode performance in microbial electrolysis cells. Bioresource Technology 238: 313-324.
10. Somalu, M.R., Muchtar, A., Daud, W.R.W. & Brandon, N.P. 2017. Screen-printing inks for the fabrication of solid oxide fuel cell films: a review. Renewable and Sustainable Energy Reviews 75, 426-439.
11. Daud, W.R.W., Kamarudin, S.K., Ahmad, A., Nasef, M.M. & Mohamad, A.B. 2017. Preface to the special issue on “Sustainable fuel cell and hydrogen technologies: The 5th International Conference on Fuel Cell and Hydrogen Technology (ICFCHT 2015), 1–3 September 2015, Kuala Lumpur, Malaysia”. International Journal of Hydrogen Energy 42 (14), 8973-8974.
12. Masdar, M.S., Dedikarni, Zainoodin, A.M., Rosli, M.I., Kamarudin, S.K., Daud, W.R.W. 2017 Performance and stability of single and 6-cell stack passive direct methanol fuel cell (DMFC) for long-term operation. International Journal of Hydrogen Energy 42 (14): 9230-9242.
13. Rosli, R.E., Sulong, A.B., Daud, W.R.W., Zulkifley, M.A., Husaini, T., Rosli, M.I., Majlan, E.H. & Haque, M.A. 2017. A review of high-temperature proton exchange membrane fuel cell (HT-PEMFC) system. International Journal of Hydrogen Energy 42 (14): 9293-9314.
14. Satar, I., Ghasemi, M., Aljlil, A.S., Isahak, W.N.R.W., Abdalla, A.M., Alam, J., Daud, W.R.W., Yarmo, M.A., Akbarzadehh, O. 2017. Production of hydrogen by Enterobacter aerogenes in an immobilized cell reactor. International Journal of Hydrogen Energy 42 (14): 9024-9030.
15. Ghasemi, M., Ahmad, A., Jafary, T., Azad, A.K., Kakooei, S., Daud, W.R.W. & Sedighi, M. 2017. Assessment of immobilized cell reactor and microbial fuel cell for simultaneous cheese whey treatment and lactic acid/electricity production. International Journal of Hydrogen Energy 42 (14): 9107-9115.
16. Jafary, T., Daud, W.R.W., Ghasemi, M., Kim, B.H., Bakar, M.H.A. & Jahim, J.M. 2017. Assessment of recirculation batch mode of operation in bioelectrochemical system; a way forward for cleaner production of energy and waste treatment. Journal of Cleaner Production 142: 2544-2555.
17. Faisal, M.N., Mohamed, A., Hannan, M.A., Daud, W.R.W. & Majlan, E.H. 2017. An improved multidevice interleaved boost converter with novel multiplex controller for fuel cell. Jurnal Teknologi 79 (1): 143-151
18. Asri, N.F., Husaini, T., Sulong, A.B., Majlan, E.H. & Daud, W.R.W. 2017. Coating of stainless steel and titanium bipolar plates for anticorrosion in PEMFC: A review. International Journal of Hydrogen Energy 42 (14): 9135–9148.
19. Soo, L.T., Loh, K.S., Mohamad, A.B. & Daud, W.R.W. 2017. The effect of varying N/C ratios of nitrogen precursors during non-metal graphene catalyst synthesis. International Journal of Hydrogen Energy 42 (14): 9069–9076.
20. Ahmad, H., Kamarudin, S.K., Minggu, L.J., Hasran, U.A., Masdar, S. & Daud, W.R.W. 2017. Enhancing methanol oxidation with a TiO2-modified semiconductor as a photo-catalyst. International Journal of Hydrogen Energy 42 (14): 8986–8996.
21. Lim, B.H., Majlan, E.H., Daud, W.R.W., Rosli, M.I. & Husaini, T. 2017. Numerical analysis of modified parallel flow field designs for fuel cells. International Journal of Hydrogen Energy. 42 (14): 9210–9218.

**Year 2016:**

1. Mokhtar, M., Majlan, E.H., Talib, M.Z.M., Ahmad, A., Tasirin, S.M. & Daud W.R.W. 2016. A short review on alkaline solid polymer electrolyte based on polyvinyl alcohol (PVA) as polymer electrolyte for electrochemical devices applications. International Journal of Applied Engineering Research 11 (19): 10009-10015
2. Wafi, N.I., Daud, W.R.W., Majlan, E.H., Somalu, M.R. & Ahmad, A. 2016. Application of poly (2-hydroxyethyl methacrylate) gel electrolyte in electrochemical device: An overview. Int. J. Appl. Eng. Res 11:10043-10047.
3. Ch'ng, Y.Y., Loh, K.S., Daud, W.R.W. & Mohamad, A.B. 2016. Synthesis and characterization of sulfonated graphene oxide nanofiller for polymer electrolyte membrane. IOP Conference Series: Materials Science and Engineering 160 (1), 012035.
4. Arifin, K., Daud, W.R.W., Kassim, M.B. 2016. Molecular and electronic structures of a new ruthenium-tungsten bimetallic complex using density functional theory calculations. Malaysian Journal of Analytical Sciences, 20 (4):946-954.
5. Arifin, K., Kadir, H.A., Minggu, L.J., Daud, W.R.W., Kassim, M.B. 2016. TiO2 doped with Fe2O3 for photoelectrochemical water splitting electrode: Experimental and density functional theory study. Malaysian Journal of Analytical Sciences, 20 (4):892-900.
6. Masdar, M.S., Ngah, N., Mohamed Aslam, N., Panuh, D., Kamarudin, S.K., Daud, W.R.W. 2016. Effects of fuel concentrations, catalyst loadings and activation on the performance of direct formic acid fuel cell (DFAFC) stack. Malaysian Journal of Analytical Sciences, 20 (4):877-884.
7. Hamid, S.A.A., Rosli, R.E., Majlan, E.H., Wan Daud, W.R., Mohamed, R., Husaini, T., Sitanggang, R. 2016. Proton exchange membrane fuel cell/supercapasitor hybrid power management system for a golf cart Malaysian Journal of Analytical Sciences 20 (4):931-945.
8. Hamid, S.A.A., Majlan, E.H., Rosli, R.E., Daud, W.R.W., Mohamed, R., Husaini, T., Sitanggang, R. 2016. Energy management strategy for a fuel cell/ultracapasitor/battery hybrid system for portable applications. Malaysian Journal of Analytical Sciences 20 (4):955-964.
9. Rosli, R.E., Herianto Majlan, E., Abd. Hamid, S.A., Daud, W.R.W., Mohamed, R., Husaini, T., Rohendi, D. 2016. Study of hydrogen consumption by control system in proton exchange membrane fuel cell. Malaysian Journal of Analytical Sciences 20 (4):901-912.
10. Yassin, B.M., Zulkifli, R., Daud, W.R.W. & Abdullah, S. 2016 Flexural behaviour of uni-directional kenaf composites using experimental and simulation methods International Journal of Mechanical and Mechatronics Engineering. 16 (4) 57-64.
11. Rahman, S.N.A., Masdar, M.S., Rosli, M.I., Majlan, E.H., Husaini, T., Daud, W.R.W., Md Rejab, S.A. & Lye, C.C. 2016. Portable pem fuel cell system: Water and heat management Journal of Engineering Science and Technology 11:122-136.
12. Rosli, R.E., Sulong, A.B., Daud, W.R.W., Zulkifley, M.A., Rosli, M.I., Majlan, E.H. & Haque, MA.. 2016. Reactant control system for proton exchange membrane fuel cell. Procedia Engineering 148: 615-620.
13. Jaafar, S.N.H., Minggu, L.J., Ariffin, K., Kasssim, M.B. & Daud, W.R.W. 2016 Effect of using pitaya peel as dye-sensitizer and dye molecules in electrolyte for photoelectrochemical reaction. Malaysian Journal of Analytical Sciences 20 (3):651-659
14. Leong, J.X., Diño, W.A., Ahmad, A.. Daud, W.R.W. & Kasai, H. 2016. Morphology effect on proton dynamics in Nafion® 117 and sulfonated polyether ether ketone. Journal of the Physical Society of Japan 85, 094803.
15. Soo, N.L.T.,Loh, K.S., Mohamad, A.B., Daud W.R.W., & Wong, W.Y. 2016. Synthesis of silver/nitrogen-doped reduced graphene oxide through a one-step thermal solid-state reaction for oxygen reduction in an alkaline medium. Journal of Power Sources 324: 412-420.
16. Rahman, S.N.A., Masdar, M.S., Rosli, M.I., Majlan, E.H., Husaini, T., Kamarudin, S.K. & Daud, W.R.W. 2016. Overview biohydrogen technologies and application in fuel cell technology. Renewable and Sustainable Energy Reviews 66:137–162
17. Husin, M. A., Zulkifli, R., Abdullah, S., Wan Daud, W. R. 2015. Effect of NaOH Concentration on Mode II Critical Strain Energy Release, GIIC for Woven Mengkuang Fibre Reinforced Epoxy Laminated Composites. International Journal of Mechanical and Mechatronics Engineering 15(4): 26-31.
18. Husin, M.A., Zulkifli, R., Abdullah, S. & Daud, W.R.W. 2016. Kelakuan Delaminasi Komposit Laminat Hibrid Anyaman Gentian Mengkuang/ Gentian Asli Sutera/ Epoksi. Jurnal Teknologi. 78 (6–9) 67–74.
19. Abdullah, S., Kamarudin, S.K., Hasran, U.A., Masdar, M.S. & Daud, W.R.W. 2016. Electrochemical kinetic and mass transfer model for direct ethanol alkaline fuel cell (DEAFC).Journal of Power Sources 320: 111-119.
20. Hakim, L., Yaakob, Z., Puspasari, I & Daud, W.R.W. 2016. Hydroxyapatite-supported tri-metallic catalyst for hydrogen production from steam reforming of glycerol. Jurnal Teknologi 78 (5):381–386.
21. Husin, M.A., Zulkifli, R., Abdullah, S. & Daud, W.R.W. 2016. Mode II delamination of woven mengkuang fiber/woven silk laminated hybrid composites. Materials Testing 58 (4),: 374-380
22. Toh, S.Y., Loh, K.S., Daud W.R.W. & Kamarudin, S.K. 2016. The impact of electrochemical reduction potentials on the electrocatalytic activity of graphene oxide toward the oxygen reduction reaction in an alkaline medium. Electrochimica Acta 199:194–203.
23. Soo, N.L.T.,Loh, K.S., Daud W.R.W., Mohamad, A.B. & Wong, W.Y. 2016. Effect of nitrogen precursors on the electrochemical performance of nitrogen-doped reduced graphene oxide towards oxygen reduction reaction. Journal of Alloys and Compounds 677:112-120.
24. Ghasemi, M., Daud, W.R.W., Alam, J., Jafari, Sedighi, M., Aljlil, S.A. & Ilbeygi, H.. 2015 Sulfonated poly ether ether ketone with different degree of sulphonation in microbial fuel cell: Application study and economical analysis International Journal of Hydrogen Energy 41 (8): 4862-4871.
25. Ghasemi, M., Daud, W.R.W., Hassan, S.H.A., Jafary, T., Rahimnejad, M., Ahmad, A. & Yazdi, M.H. 2015 Carbon nanotube/polypyrrole nanocomposite as a novel cathode catalyst and proper alternative for Pt in microbial fuel cell. International Journal of Hydrogen Energy 41 (8):4872-4878
26. Lim, B.H., Majlan, E.H., Daud, W.R.W., Husaini, T. & Rosli, M.I. 2016. Effects of flow field design on water management and reactant distribution in PEMFC: a review. Ionics 22 (3): 301-316
27. Ghasemi, M., Daud, W.R.W., Alam, J., Ilbeygi, H., Sedighie, M., Ismail, A.F., Yazdi, M.H., Aljlili, S.A. 2016. Treatment of two different water resources in desalination and microbial fuel cell processes by poly sulfone/Sulfonated poly ether ether ketone hybrid membrane. Energy 96: 303-313

**Year 2015:**

1. Mokhtar, M., Talib, M.Z.M., Majlan, E.H., Tasirin, S.M., Ramli, W.M.F.W., Daud, W.R.W. & Sahari, J. 2015. Recent developments in materials for aluminum-air batteries: a review. Journal of Industrial and Engineering Chemistry 32:1-20.
2. Sulaiman, N., Hannan, M.A. Mohamed, A., Majlan, E.H. & Daud W.R.W. 2015. A review on energy management system for fuel cell hybrid electric vehicle: Issues and challenges. Renewable and Sustainable Energy Reviews 52: 802–814
3. Husaini, T., Daud, W.R.W., Yaakob, Z. & Majlan, E.H. 2015. Preparation and characterization of low temperature PTFE-Naﬁon composite membranes for hydrogen production. International Journal of Hydrogen Energy 40: 10072-10080
4. Rohendi, D., Majlan, E.H., Mohamad, A.B., Daud, W.R.W., Kadhum, A.A.H. & Shyuan, L.K. 2015. Effects of temperature and backpressure on the performance degradation of MEA in PEMFC. International Journal of Hydrogen Energy 40:10960-10968.
5. Kamaruddin, M.Z.F., Kamarudin, S.K., Masdar, M.S. & Daud, W.R.W. 2015. Investigating design parameter effects on the methanol ﬂux in the passive storage of a direct methanol fuel cell. International Journal of Hydrogen Energy 40:10931-10942.
6. Abdullah, S., Kamarudin, S.K., Hasran, U.A., Masdar, M.S. & Daud, W.R.W. 2015. Development of a conceptual design model of a direct ethanol fuel cell (DEFC). International Journal of Hydrogen Energy 40:11943-11948.
7. Daud, S.M., Kim, B.H., Ghasemi, M. & Daud, W.R.W. 2015 Separators used in microbial electrochemical technologies: current status and future prospects. Bioresource Technology 195: 170-179.
8. Wong, W.Y., Daud, W.R.W., Mohamad, A.B. & Loh, K.S. 2015. Effect of temperature on the oxygen reduction reaction kinetic at nitrogen-doped carbon nanotubes for fuel cell cathode. International Journal of Hydrogen Energy 40:11444-11450.
9. Leong, J.X., Daud, W.R.W., Ghasemi, M., Ahmad, A., Ismail, M. & Liew, K.B. 2015. Composite membrane containing graphene oxide in sulfonated polyether ether ketone in microbial fuel cell applications. International Journal of Hydrogen Energy 40: 11604-11614.
10. Liew, K.B., Daud, W.R.W., Ghasemi, M., Loh, K.S., Ismail, M., Lim, S.S. & Leong, J.X. 2015. Manganese oxide/functionalised carbon nanotubes nanocomposite as catalyst for oxygen reduction reaction in microbial fuel cell. International Journal of Hydrogen Energy 40: 11625-11632.
11. Rachid, C., Daud, W.R.W., Abdellah, B. & Yarmo, M.A. 2015. Physical parameters affecting on the electrode performance for proton exchange membrane fuel cells (PEMFCs). Advanced Materials Research 1105: 320-324.
12. Kim, B.H., Lim, S.S., Daud, W.R.W., Gadd, G.M. & Chang, I.S. 2015. The biocathode of microbial electrochemical systems and microbially-influenced corrosion. Bioresource Technology 195: 395-401.
13. Zainoodin, A.M., Kamarudin, S.K., Masdar, M.S., Daud, W.R.W. & Mohamad, A.B. 2015. Optimization of a porous carbon nanofiber layer for the membrane electrode assembly in DMFC. Energy Conversion and Management 101: 525-531.
14. Karim, N.A., Kamarudin, S.K., Shyuan, L.K., Yaakob, Z. & Daud, W.R.W. 2015. Study on the electronic properties and molecule adsorption of W18O49 nanowires as a catalyst support in the cathodes of direct methanol fuel cells. Journal of Power Sources 288:461-472.
15. Soo, L.T., Loh, K.S., Mohamad, A.B., Daud, W.R.W. & Wong, W.Y. 2015. An overview of the electrochemical performance of modified graphene used as an electrocatalyst and as a catalyst support in fuel cells. Applied Catalysis A: General 497: 198-210.
16. Keshani, S., Montazeri, M.H., Daud, W.R.W., Nourouzi, M. M. & Woo, M.W. 2014. CFD modelling of air flow: Assessment of wall deposition in conical and parabolic spray dryer geometry. Drying Technology 33 (7): 784-795.
17. Jafary, T., Daud, W.R.W., Ghasemi, M., Kim, B.H., Jahim, J.M., Ismail, M. & Lim, S.S. 2015. Biocathode in microbial electrolysis cell; present status and future prospects. Renewable and Sustainable Energy Reviews 47: 23-33.
18. Mayahi, A., Ilbeygi, H., Ismail, A.F., Jaafar, J., Daud, W.R.W., Emadzadeh, D., Shamsaei, E., Martin, D., Rahbari-Sisakht, M., Ghasemi, M. & Zaidi, J. 2015. PEEK/cSMM membrane for simultaneous electricity generation and wastewater treatment in microbial fuel cell. Journal Chemical Technology and Biotechnology. Journal of Chemical Technology and Biotechnology 90 (4): 641–647.
19. Keshani, S., Daud, W.R.W., Nourouzi, M., Namvar, F. & Ghasemi, M. 2015. Spray drying: An overview on wall deposition and modelling. Journal of Food Engineering 146: 152–162.
20. Basri, S., Kamarudin, S.K., Daud, W.R.W. & Yaakob, Z. 2015. Study on kinetic energy of a novel metal composite for anode catalyst in direct methanol fuel cell. International Journal of Energy Research. 39 (2): 181–190.

**Year 2014:**

1. Karim, N.A., Kamarudin, S.K., Shyuan, L.K., Yaakob, Z. & Daud, W.R.W. 2014. Novel cathode catalyst for DMFC: Study of the density of states of oxygen adsorption using density functional theory. International Journal of Hydrogen Energy 39 (30): 17295-17305.
2. Hassan, M.A., Kamarudin, S.K., Loh, K.S. & Daud, W.R.W. 2014. Sensors for direct methanol fuel cells. Renewable and Sustainable Energy Reviews 40: 1060-1069
3. Zainoodin, A.M., Kamarudin, S.K., Masdar, M.S., Daud, W.R.W. & Mohamad, A.B. 2014. Investigation of MEA degradation in a passive direct methanol fuel cell under different modes of operation. Applied Energy 135: 364-372
4. Abdullah, S., Kamarudin, S.K., Hasran, U.A., Masdar, M.S. & Daud, W.R.W. 2014. Modeling and simulation of a direct ethanol fuel cell: An overview. Journal of Power Sources 262: 401-406
5. Esmaeili, C., Ghasemi, M., Heng, L.Y., Hassan, S.H.A., Abdi, M.M. & Daud, W.R.W. 2014. Synthesis and application of polypyrrole/carrageenan nano-bio composite as a cathode catalyst in microbial fuel cells. Carbohydrate Polymers 114: 253-259..
6. Nasir, N.F., Daud, W.R.W., Kamarudin, S.K. & Yaakob, Z. 2014. Methyl esters selectivity of transesterification reaction with homogenous alkaline catalyst to produce biodiesel in batch, plug flow and continuous stirred tank reactors. International Journal of Chemical Engineering Article ID 931264.
7. Toh, S.Y., Loh, K.S., Kamarudin, S.K. & Daud, W.R.W. 2014 Graphene production via electrochemical reduction of graphene oxide: synthesis and characterization. Chemical Engineering Journal 251:422-434.
8. Basri, S., Kamarudin, S.K., Daud, W.R.W., Yaakob, Z. & Kadhum, A.A.H. 2014. Novel anode catalyst for direct methanol fuel cells. The Scientific World Journal Article ID 547604.
9. Puspasari, I., Talib, M.Z.M., Daud, W.R.W. & Tasirin S.M. 2014. Characteristic drying curve of oil palm fibers. International Journal on Advanced Science, Engineering and Information Technology 4(1): 35-39.
10. Rohendi, D., Majlan, E.H., Mohamad, A.B., Daud, W.R.W. & Kadhum, A.A. 2014. Effect of PTFE content and sintering temperature on the properties of a fuel cell electrode backing layer. Journal of Fuel Cell Science and Technology 11 (4):041003-1-041003-6.
11. Abdullah, S., Kamarudin, S.K., Hasran, U.A., Masdar, M.S., Daud, W.R.W. 2014. Modeling and simulation of a direct ethanol fuel cell: An overview. Journal of Power Sources 262:401–406.
12. Shahgaldi, S., Ghasemi, M., Wan Daud, W.R., Yaakob, Z, Sedighi, M., Alam, J. & Ismail, A.F. 2014. Performance enhancement of microbial fuel cell by PVDF/Nafion nanofibre composite proton exchange membrane. Fuel Processing Technology 124: 290-295.
13. Wong, W.Y., Daud, W.R.W., Mohamad, A.B., Kadhum, A.A.H., Loh, K.S., Majlan, E.H. & Lim, K.L. 2014. The impact of loading and temperature on the oxygen reduction reaction at nitrogen-doped carbon nanotubes in alkaline. Electrochimica Acta 129:47-54.
14. Liew, K.B., Daud, W.R.W., Ghasemi, M., Leong, J.X., Lim, S.S. & Ismail. M. 2014. Non-Pt catalyst for oxygen reduction reaction in microbial fuel cells: A review. International Journal of Hydrogen Energy 39 (10):4870-4883.
15. Arifin, K., Daud, W.R.W. & Kassim, M.B. 2014. A DFT analyses for molecular structure, electronic state and spectroscopic property of a dithiolene tungsten carbonyl complex. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 124: 375 - 382
16. Zainoodin, A.M., Kamarudin, S.K., Masdar, M.S., Daud, W.R.W., Mohamad, A.B. & Sahari, J. 2014. High power direct methanol fuel cell with a porous carbon nanofiber anode layer. Applied Energy 113:946-954
17. Arifin, K., Minggu, L.J., Daud, W.R.W., Yamin, B.M., Daik, R., Kassim, M.B. 2014. Synthesis, structure and theoretical investigation into a homoleptic tris(dithiolene) tungsten. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy 120:208-215.
18. Panuh, D., Muchtar, A., Muhamad, N., Majlan, E.H. & Daud, W.R.W. 2014. Fabrication of thin Ag–YSB composite cathode film for intermediate-temperature solid oxide fuel cells. Composites Part B: Engineering 58, 193-198
19. Shyuan, L.K., Tan, E.L., Daud, W.R.W. & Mohamad, A.B. 2014. Synthesis and characterization of sulfonated polybenzimidazole (SPBI) copolymer for polymer exchange membrane fuel cell. Advanced Materials Research 860:803-806
20. Arifin, K., Daud, W.R.W. & Kassim, M.B. 2014. Novel ruthenium-tungsten bimetallic complex dye-sensitizer for photoelectrochemical cells application. Sains Malaysiana 43 (1):95-101.
21. Ghoreishi, K.B., Ghasemi, M., Rahimnejad, M., Yarmo, M.A. & Daud, W.R.W. 2014. Development and application of vanadium oxide/polyaniline composite as a novel cathode catalyst in microbial fuel cell. International Journal of Energy Research 38 (1):70-77

**Year 2013:**

1. Nasir, N.F., Daud, W.R.W., Kamarudin, S.K. & Yaakob, Z. 2013. Process system engineering in biodiesel production: A review. Renewable and Sustainable Energy Reviews 22: 631–639.
2. Daud, W.R.W. Editorial. 2013. International Journal of Hydrogen Energy 38(22): 9360 – 9361.
3. Yun, T.M., Puspasari, I., Tasirin, S.M., Talib, M.Z.M., Daud, W.R.W. & Yaakob, Z. 2013. Drying of oil palm frond particles in a fluidized bed dryer with inert medium (Sǔenje čestica lišća uljane palme u sušari sa fluidizovanim slojem u prisustvu inertnih čestica). Chemical Industry and Chemical Engineering Quarterly 19(4): 593 – 603
4. Thiam, H.S., Daud, W.R.W., Kamarudin, S.K., Mohamad, A.B., Kadhum, A.A.H., Loh, K.S. & Majlan, E.H. 2013. Performance of direct methanol fuel cell with a palladium-silica nanofibre/Nafion composite membrane. Energy Conversion and Management 75:718-726.
5. Leong, J.X., Daud, W.R.W., Ghasemi, M., Liew, K.B. & Ismail, M. 2013. Ion exchange membranes as separators in microbial fuel cells for bioenergy conversion: A comprehensive review. Renewable and Sustainable Energy Reviews 28:575–587.
6. Halim, F.A., Hasran, U.A., Masdar, M.S., Kamarudin, S.K. & Daud, W.R.W. 2013. Study on a passive vapour feed direct methanol fuel cell with high methanol concentration. Journal of Clean Energy Technologies 1 (4): 292-294.
7. Mokhtarian, N., Ghasemi, M., Daud, W.R.W., Ismail, M, Najafpour, G. & Alam, J. 2013. Improvement of microbial fuel cell performance by using nafion-polyaniline composite membranes as a separator. J. Fuel Cell Science & Technology 10(4), 041008 (6 pages).
8. Jafary,T, Rahimnejad, M., Ghoreyshi, A.A., Najafpour, G., Hghparast, F. & Daud, W.R.W. 2013. Assessment of bioelectricity production in microbial fuel cells through series and parallel connections. Energy Conversion and Management 75: 256–262.
9. Ghasemi, M., Daud, W.R.W., Ismail, A.F., Jafari, Y., Ismail, M., Mayahi, A. & Othman, J. 2013. Simultaneous wastewater treatment and electricity generation by MFC: performance comparison, cost investigation of using Nafion 117 and SPEEK as separator. Desalination 325: 1–6.
10. Ghasemi, M., Daud, W.R.W., Hassan, S.H.A., Oh, S-E., Ismail, M., Rahimnejad, M. & Jahim, J.M. 2013. Nano-structured Carbon as Electrode Material in Microbial Fuel Cells: A Comprehensive Review. J. Alloys & Compounds 580: 245–255.
11. Ghasemi, M., Daud, W.R.W., Rahimnejad, M., Rezayi, M., Fatemi, A., Jafari, Y., Somalu, M.R. & Manzour, A. 2013. Copper-phthalocyanine and nickel nanoparticles as novel cathode catalysts in microbial fuel cells. International Journal of Hydrogen Energy. 38 (22): 9533-9540.
12. Husaini, T., Majlan, E.H., Yaakob, Z. & Daud, W.R.W. 2013. PTFE-Nafion Membrane Reactor For Hydrogen Production. International Journal of Hydrogen Energy 38 (22): 9553–9561.
13. Hakim, L., Yaakob, Z., Ismail, M., Daud, W.R.W. & Sari, R. 2013. Hydrogen production by steam reforming of glycerol over Ni/Ce/Cu hydroxyapatite-supported catalysts. Chemical Papers 67 (7): 703-712.
14. Kamaruddin, M.Z.F., Kamarudin, S.K., Daud, W.R.W. & Masdar, M.S. 2013. An overview of fuel management in direct methanol fuel cells. Renewable and Sustainable Energy Reviews 24: 557-565
15. Zolfaghari, R., Ahmadun, F., Othman, M.R., Daud, W.R.W. & Ismail, M. 2013. Nonionic surfactant-templated mesoporous carbon as an electrocatalyst support for methanol oxidation. Materials Chemistry and Physics 139: 262-269.
16. Puspasari, I., Talib, M.Z.M., Daud, W.R.W. & Tasirin, S.M. 2013. Fluidization characteristics of oil palm frond particles in agitated bed. Chemical Engineering Research and Design 91 (3):497-507.
17. Ghasemi, M., Rahimnejad, M., Esmaeili, C., Daud, W.R.W., Masdar, M.S., Majlan, E.H., Hassan, S. H.A., Alam, J., Ismail, M. & Alhoshan, M.S. 2013. Polysulfone composed of polyaniline nanoparticles as nanocomposite proton exchange membrane in microbial fuel cell. American Journal of Biochemistry and Biotechnology, 9 (1), 19-27.
18. Misran, E., Mat Hassan, N.S., Wan Daud, W.R., Majlan, E.H. & Irwan, M.R. 2013. Electrochemical properties of a PEMFC operating with saturated hydrogen and dry air. International Journal of Hydrogen Energy 38 (22): 9395–9400.
19. Hasran, U.A., Kamarudin, S.K., Daud, W.R.W., Majlis, B.Y., Mohamad, A.B., Kadhum, A.A.H. & Ahmad, M.M. 2013. Optimization of hot pressing parameters in membrane electrode assembly fabrication by response surface method. International Journal of Hydrogen Energy 38 (22): 9484–9493.
20. Wong, W.Y., Daud, W.R.W., Mohamad, A.B., Kadhum, A.A.H., Loh, K.S. & Majlan, E.H. 2013. Recent progress in nitrogen-doped carbon and its composites as electrocatalysts for fuel cell applications. International Journal of Hydrogen Energy 38: (22) 9370–9386.
21. Wong, W.Y., Daud, W.R.W., Mohamad, A.B., Kadhum, A.A.H., Loh, K.S. & Majlan, E.H. 2013. Influence of nitrogen doping on carbon nanotubes towards the structure, composition and oxygen reduction reaction. International Journal of Hydrogen Energy 38 (22): 9421–9430.
22. Misran, E., Hassan, N.S.N., Daud, W.R.W., Majlan, E.H. & Rosli, M.I. 2013. Water transport characteristics of a PEM fuel cell at various operating pressures and temperatures. International Journal of Hydrogen Energy 38 (22): 9401–9408.
23. Mulyazmi, Daud, W.R.W., Majlan, E.H. & Rosli M.I. 2013. Water balance for the design of a PEM fuel cell system Original Research Article. International Journal of Hydrogen Energy 38 (22): 9409–9420..
24. Keshani, S., Daud, W.R.W., Woo, M.W., Nourouzi, M. M., Talib, M.Z.M., Chuah, A.L. & Russly, A.R. 2013. Reducing the deposition of fat and protein covered particles with low energy surfaces. J. Food Engineering 116 (3): 737-748.
25. Ghasemi, M., Daud, W.R.W., Mokhtarian, N., Mayahi, A., Ismail,M., Anisi, F. & M. Sedighi, J. 2013. The effect of nitric acid, ethylenediamine, and diethanolamine modified polyaniline nanoparticles anode electrode in a microbial fuel cell. International Journal of Hydrogen Energy 38 (22): 9525–9532.
26. Shamsudin, R., Ling, C.S., Adzahan, N.M. & Daud, W.R.W. 2013. Rheological properties of ultraviolet-irradiated and thermally pasteurized yankee pineapple juice. Journal of Food Engineering 116 (2): 548–553.
27. Thiam, H.S., Daud, W.R.W, Kamarudin, S.K., Mohamad, A.B., Kadhum, A.A.H., Loh, K.S. & Majlan, E.H. 2013. Nafion/Pd–SiO2 nanofiber composite membranes for direct methanol fuel cell applications. International Journal of Hydrogen Energy 38 (22): 9474–9483.
28. Sari, R., Yaakob, Z., Ismail, M., Daud, W.R.W. & Hakim, L. 2013. Palladium-alumina composite membrane for hydrogen separator fabricated by combined sol-gel, and electroless plating technique Ceramics International 39 (3): 3211-3219.
29. Ghasemi, M., Daud, W.R.W., Ismail, M., Rahimnejad, M., Ismail, A.F., Leong, J.X., Miskan, M. & Liew, K.B. 2013. Effect of pre-treatment and biofouling of proton exchange membrane on microbial fuel cell performance. International Journal of Hydrogen Energy 38 (13): 5480-5484.
30. Milad, A.M.H., Daud, W.R.W. & Kassim, M.B.. 2013. Carbon doped TiO2 nanotubes photoanodes prepared by in-situ anodic oxidation of Ti-foil in acidic and organic medium with photocurrent enhancement. Ceramics International. 39: 3731–3739.
31. Arifin, K., Daud, W.R.W. & Kassim, M.B. 2012. Optical and photoelectrochemical properties of a TiO2 thin film doped with a ruthenium-tungsten bimetallic complex. Ceramics International 39 (3) , pp. 2699-2707.
32. Kamarudin, M.Z.F., Kamarudin, S.K., Masdar, M.S. & Daud, W.R.W. 2012. Review: Direct ethanol fuel cells. International Journal of Hydrogen Energy 38 (22): 9438–9453.
33. Rohendi, D., Majlan, E.H., Mohamad, A.B., Daud, W.R.W., Kadhum, A.A.H. & Loh, K.S. 2013. Characterization of electrodes and performance tests on MEAs with varying platinum content and under various operational conditions. International Journal of Hydrogen Energy 38 (22): 9431-9437.
34. Ghasemi, M., Ismail, M., Kamarudin, S.K., Saeedfar, K., Daud, W.R.W., Hassan, S.H.A., Heng, L.Y., (...), & Oh, S.-E. 2013. Carbon nanotube as an alternative cathode support and catalyst for microbial fuel cells. Applied Energy 102: 1050-1056.
35. Sadeqzadeh, M., Ghasemi, M., Ghannadzadeh, A., Salamatinia, B., Jafary, T., Daud, W.R.W. & Hassan, S.H.A. 2013. Mass transfer limitation in different anode electrode surface areas on the performance of dual chamber microbial fuel cell. American Journal of Biochemistry and Biotechnology 8 (4): 320-325

**Year 2012:**

1. Nasir, N.F., Daud, W.R.W., Kamarudin, S.K. & Yaakob, Z. 2012. Synthesis of reactor networks for methyl ester production. International Journal of Chemical Engineering and Applications 3 (6): 421-423.
2. Ismail, A., Kamarudin, S.K., Daud, W.R.W. & Masdar, M.S. 2012. Development of conceptual design model of direct methanol fuel cell for a portable application. Chemical Engineering Transactions 29: 349-354.
3. Shahgaldi, S., Yaakob, Z., Khadem, D.J. & Daud, W.R.W. 2012. Characterization and the hydrogen storage capacity of titania-coated electrospun boron nitride Nanofibers. International Journal of Hydrogen Energy 37 (15): 11237-11243.
4. Su, L.S., Md. Jahim, J., Shari, S.N., Ismail, M. & Daud, W.R.W. 2012. Development of Microbial Fuel Cell for Palm Oil Mill Effluent Treatment (Pembangunan Sel Fuel Mikrob untuk Rawatan Air Sisa Kilang Sawit). Sains Malaysiana 41 (10): 1253-1261.
5. Mokhtarian, N., Daud, W.R.W., Rahimnejad, M. & Najafpour, G.D. 2012. Bioelectricity generation in biological fuel cell with and without mediators. World Applied Sciences Journal 18 (4):. 559-567.
6. Lim, S.S., Daud, W.R.W., Jahim, J.M., Ghasemia, M., Chong, P.S. & Ismail, M. 2012. Sulfonated poly(ether ether ketone)/poly(ether sulfone) composite membranes as an alternative proton exchange membrane in microbial fuel cells. International Journal of Hydrogen Energy 37 (15) : 11409-11424.
7. Chia, S.L., Rosnah, S., Noranizan, M.A. & Daud, W.R.W. 2012. The effect of storage on the quality attributes of ultraviolet-irradiated and thermally pasteurised pineapple juices. International Food Research Journal 19 (3): 1001-1010.
8. Anuar, N., Daud, W.R.W., Roberts, K.J., Kamarudin, S.K. & Tasirin, S.M. 2012. Morphology and associated surface chemistry of l-isoleucine crystals modeled under the influence of l-leucine additive molecules. Crystal Growth and Design 12 (5): 2195-2203.
9. Hosseini, S., Daud, W.R.W., Badiei, M., Kadhum, A.A.H. & Mohammad, A.B. 2011. Effect of surfactants in synthesis of CsH 2PO 4 as protonic conductive membrane. Bulletin of Materials Science 34 (4): 759-765.
10. Yaakob, Z., Khadem, D.J., Shahgaldi, S., Daud, W.R.W. &Tasirin, S.M. 2012. The role of Al and Mg in the hydrogen storage of electrospun ZnO Nanofibers. International Journal of Hydrogen Energy 37: 8388-8394.
11. Puspasari, I., Talib, M.Z.M., Daud, W.R.W., & Tasirin, S.M. 2012. Drying kinetics of oil palm frond particles in an agitated fluidized bed dryer. Drying Technology 30 (6) : 619-630.
12. Sedighi, M., Ghasemi, M, Hassan, S.H.A., Daud, W.R.W., Ismail, M. & Abdallah, E. 2012. Process optimization of batch biosorption of lead using Lactobacillius bulgaricus in an aqueous phase system using response surface methodology. World J Microbiol Biotechnol 28 (5): 2047-2055
13. Ghasemi, M., Shahgaldi, S., Ismail, M., Yaakob, Z. & Daud, W.R.W. 2012. New generation of carbon nanocomposite proton exchange membranes in microbial fuel cell systems. Chemical Engineering Journal 184:82-89
14. Woo, M.W., Daud, W.R.W., Mujumdar, A.S. & Chen, X.D. 2012. Highly swirling transient flows in spray dryers and consequent effect on modelling of particle deposition. Chem. Eng. Res. Des. 90 (3): 336-345.
15. Keshani, S., Daud, W.R.W., Woo, M.W., Talib, M.Z.M., Chuah, A.L. & Russly, A.R. 2012. Artificial Neural Network modeling of the deposition rate of lactose powder in spray dryers. Drying Technology 30: 386–397.
16. Kamal, S.A. Jahim, J.M, Anuar, N., Hassan, O., Daud, W.R.W., Mansor, M.F. & Rashid, S.S. 2012. Pre-treatment effect of palm oil mill effluent (POME) during hydrogen production by a local isolate Clostridium butyricum. International Journal of Advanced Science, Engineering and Information Technology. 1(4): 54-60.
17. Ahmad, A.L., Ramli, W.K.W., Fernando, W.J.N. & Daud, W.R.W. 2012. Effect of ethanol concentration in water coagulation bath on pore geometry of PVDF membrane for Membrane Gas Absorption application in CO2 removal. Separation and Purification Technology 88 (3) :11-18.
18. Arifin, K., Majlan, E.H., Daud, W.R.W. & Kassim, M.B.. 2012. Bimetallic complexes in artificial photosynthesis for hydrogen production: A Review International Journal of Hydrogen Energy 37 (4) :3066-3087.
19. Mokhtarian, N., Rahimnejad, M, Najafpour, G. D., Daud, W.R.W. & Ghoreyshi, A. A. 2012. Effect of different substrate on performance of microbial fuel cell. African Journal of Biotechnology 11(14): 3363-3369.
20. Raharjo, J., Muchtar, A., Daud, W.R.W., Muhamad, N. & Majlan, E.H. 2012. Physical and thermal characterisations of SDC-(Li/Na)2CO 3 electrolyte ceramic composites | [Pencirian fizikal dan terma komposit seramik elektrolit SDC-(Li/Na) 2CO3]. Sains Malaysiana 41 (1):. 95-102
21. Panuh, D., Muchtar, A., Muhamad, N. & Daud, W.R.W. 2012. Effect of heat treatment on the microstructure of porous Ag 2O3-Bi2O3 cathode on stainless steel substrates prepared by the slurry painting method | Kesan rawatan haba terhadap mikrostruktur katod berliang Ag 2O3-Bi2O3 di atas substrat keluli kalis karat yang disediakan dengan kaedah pengecatan sluri. Sains Malaysiana 41 (1):, pp. 121
22. Wong, W.Y., Daud, W.R.W., Mohamad, A.B., Kadhum, A.A.H., Majlan, E.H. & Loh, K.S. 2012. Nitrogen-containing Carbon Nanotubes as Cathodic Catalysts for Proton Exchange Membrane Fuel Cells. Diamond & Related Materials 22 (7): 12-22.

**Year 2011:**

1. Rosnah, S., Coskan, Daud, W.R.W., Mohd Sobri, T. & Osman, H. 2011. Effect of temperature on the rheological behaviour of 'Josapine' pineapple (Ananas comosus L.) pulp. Acta Horticulturae 902:. 449-452.
2. Hosseini, S., Daud, W.R. W., Badiei, M., Kadhum, A.A.H. & Mohammad, A.B. 2011. Effect of surfactants in synthesis of CsH 2PO 4 as protonic conductive membrane. Bulletin of Materials Science 34 (4): 759-765.
3. Ghasemi, M., Shahgaldi, S., Ismail, M., Byung Hong Kim, Yaakob, Z., Daud, W.R.W. 2011. Activated carbon nanofibers as an alternative cathode catalyst to platinum in a two-chamber microbial fuel cell. International Journal of Hydrogen Energy 36 (21): 13746-13752.
4. Hassan, I.N., Yamin, B.M., Daud, W.R.W., Kassim, M.B. 2011. Synthesis, spectral characterization and crystal structural of 1-(2-Morpholinoethyl)-3-(3- phenylacryloyl)thiourea. International Journal of Physical Sciences 6 (35) : 7898-7903.
5. Daud, W.R.W., Najafpour, G. and Rahimnejad, M.. 2011. Clean Energy for Tomorrow: Towards Zero Emission and Carbon Free Future: A Review. Iranica Journal of Energy & Environment 2 (3): 262-273.
6. Shamsudin, R., Daud, W.R.W., Takriff, M.S. & Hassan, O. 2011. Chemical compositions and thermal properties of the Josapine pineapple fruit (Ananas Comosus L.) at different storage systems, Journal of Food Process Engineering 34 (5): 1558-1572.
7. Ismail, A., Kamarudin, S.K., Daud, W.R.W., Masdar, S. & Yosfiah, M.R. 2011. Mass and heat transport in direct methanol fuel cells. Journal of Power Sources 196 (23): 9547-9855.
8. Ahmad, H., Kamarudin, S.K., Hasran, U.A., Daud, W.R.W. 2011. A novel hybrid Nafion-PBI-ZP membrane for direct methanol fuel cells. International Journal of Hydrogen Energy 36 (22), pp. 14668-14677.
9. Shahgaldi, S., Yaakob, Z., Khadem, D.J., Ahmadrezaei, M., Daud, W.R.W. 2011 Synthesis and characterization of cobalt-free Ba0.5Sr0.5Fe0.8Cu0.2O3-δ perovskite oxide cathode nanofibers Journal of Alloys and Compounds 509 (37): 9005-9009.
10. Nasir, M.F.M., Hassan, I.N., Daud, W.R.W., Yamin, B.M. and Kassim, M. 2011. 1,1-Dibenzyl-3-(4-fluorobenzoyl)thiourea. Acta Crystallographica Section E 67 (8):. o1987.
11. Hassan, I.N., Daud, W.R.W., Yamin, B.M., Kassim, M.B. 2011. (E)-2-(3-Cinnamoylthioureido)acetic acid dimethyl sulfoxide disolvate. Acta Crystallographica Section E: Structure Reports Online 67 (10): o2686.
12. Zain, S.M., Hashim, R., Roslani, N.S., Anuar, N., Suja, F., Daud, W.R.W., Basri, N.E.A. 2011 Pengecaman awal komuniti bakteria sel bahan api mikrob dalam air sisa kumbahan. Sains Malaysiana 40 (9): 959-964.
13. Zain, S.M., Roslani, N.S., Hashim, R., Anuar, N., Suja, F., Daud, W.R.W. & Basri, N.E.A. 2011. Microbial fuel cells using mixed cultures of wastewater for electricity generation. Sains malaysiana, 40(9):993-997.
14. Basri, S., Kamarudin, S.K., Daud, W.R.N., Hashim, N. 2011 Unsteady state modeling and analysis of a passive liquid-feed DMFC. Journal of Applied Sciences 11 (13): 2426-2430
15. Hosseini, S., Daud, W.R.W., Malakbalaa, M.R., Soltani, S.M., Zolfagharei, R. 2011. Overpotentials analysis in solid acid fuel cell using CsH2PO4 as anhydrous membrane World Journal of Modelling and Simulation 7 (2): 123-132.
16. Nasir, M.F.M., Hassan, I.N., Yamin, B.M. ,Daud, W.R.W. & Kassim, M. 2011. 3-(3-methoxybenzoyl)1,1-Diphenyl-thiourea. Acta Crystallographica Section E E67, o1947–o1948.
17. Nasir, M.F.M., Hassan, I.N., Bohari Yamin, Daud, W.R.W. & Kassim, M. 2011. 1,1-Dibenzyl-3-(3-chlorobenzoyl)thiourea Acta Cryst. E67: o1742
18. Nasir, M.F.M., Hassan, I.N., Daud, W.R.W., Yamin, B.M., Kassim, M.B. 2011 2-Bromo-N-(dibenzylcarbamothioyl)-benzamide. Acta Crystallographica Section E: Structure Reports Online 67 (5): o1218
19. Dewi, K.H., Markom, M. & Daud, W.R.W. 2011. Parameter estimation in the extraction of sea cucumber (holothuria scarab J) as a source of testosterone Advanced Materials Research 233-235: 1358-1365
20. Wong, W.Y., Daud, W.R.W, Mohamad, A.B. Khadum, A.A.H., Loh, K.S., Majlan, E.H. 2011. Density-functional theory of O2 physical adsoption on sp3 and sp2 hybridized nitrogen-doped CNT surfaces for fuel cell electrode. Advanced Materials Research 233-235: 17-22
21. Mohamad, A.B., Khadum, A.A.H., Musa, A.Y., Hosseini, S. & Daud, W.R.W, 2011.Advanced Materials Research 233-235 : 2299-2304
22. Hasran, U.A., Kamarudin, S.K., Daud, W.R.W., Majlis, B.Y., Mohamad, A.B., Kadhum, A.A.H. 2011 A simple thermal oxidation technique and KOH wet etching process for fuel cell flow field fabrication International Journal of Hydrogen Energy 36(8):5136-5142.
23. Chebbi, R., Daud, W.R.W., Mohamad, A.B. & Kadhum, A.A.H. 2011. Review of Parameters Affecting Performance of (Pt/C) Electrode for Proton Exchange Membrane Fuel Cells (Pemfcs). Advanced Materials Research. 233-235: 43-49.
24. Shahgaldi, S, Yaakob, Z., Ghasemi, M., Daud, W.R.W. & Khademe, D.J. 2011. Investigation of the Effect of Electrospun Polyethersulfone Nanofibers in Membrane. Defect and Diffusion Forum. 312-315: 607-612.
25. Khadem, D.J., Yaakob, Z., Shahgaldi, S., Ghasemi, M., Daud, W.R.W. 2011. Synthesis and Characterization of PES/TiO2 Nanofibers Membrane. Defect and Diffusion Forum. 312-315: 613-619.
26. Abdullah, A.R.S., Takriff, M.S., Ismail, M., Kalil, M.S., Daud, W.R.W., Mohamad, A.B., Rahman, R.A., Mohammad, A.W., Anuar, N., Abdul Amir Hassan Khadum, Normah Abdullah, Shuhaida Harun, Kamarudin, S.K., Tasirin, S.M., Yaakob, Z., Jahim, J., Noorhisham Tan Kofli, Markom, M., Norliza Abd. Rahman, Rosiah Rohani Reehan, Adne Ab. Rahim, Muhammad Syukri Abd. Rahaman 2011. Analisis keberkesanan projek bersepadu dalam penerapan kemahiran generik Asian Journal of Teaching and Learning in Higher Education 3 (1): 36-49.
27. Shahgaldi, S., Yaakob, Z., Khadem, D.J., Daud, W.R.W. 2011. Synthesize and Evaluation of Electrospun Perovskite (Ba0.5Sr0.5Co0.2Fe0.8O3- δ) Nanofibers for Intermediate Temperature Solid- Oxide Fuel Cell. Applied Mechanics and Materials 52-54: 1544-1550.
28. Khadem, D.J., Yaakob, Z., Shahgaldi, S., Daud, W.R.W., Majlan, E.H. 2011. Effect of Calcinations on Morphology of Electrospun Copper and Copper Oxide Nanofibers. Applied Mechanics and Materials, 52-54, 1884-1889.
29. Kurniawan, M., Daud, W.R.W., Majlan, E.H. 2011 Stress Analysis of Proton Exchange Membrane Fuel Cell. Applied Mechanics and Materials, 52-54: 875-880
30. Raharjo, J., Muchtar, A., Daud, W.R.W., Muhamad, N., Majlan, E.H. 2011, Porous NiO-SDC Carbonates Composite Anode for LT-SOFC Applications Produced by Pressureless Sintering Applied Mechanics and Materials, 52-54: 488-493.
31. Misran Erni, Hassan, N.S.M., Daud, W.R.W., Majlan, E.H., Kurniawan, M.. 2011, Operating Temperature Effects on Water Transport Behavior in a Single Cell PEMFC. Applied Mechanics and Materials 52-54: 1153-1158.
32. Milad, A.M., Kassim, M., Daud, W.R.W. 2011. Fabrication of Carbon Doped TiO2 Nanotubes via In-situ Anodization of Ti-foil in Acidic Medium. World Academy of Science, Engineering and Technology 74: 171-175.
33. Esfandarani, T.M., Minggu, L.J., Daud, W.R.W. & Kassim, M. 2010. Synthesis and characterization of Fe2O3/SiO2/TiO2 composite thin film on different substrates for water splitting. Journal of New Materials for Electrochemical Systems 13 (4): 333-335
34. Thiam, H.S., Daud, W.R.W., Kamarudin, S.K., Mohammad, A.B., Kadhum, A.A.H., Loh, K.S., Majlan, E.H. 2011 Overview on nanostructured membrane in fuel cell applications International Journal of Hydrogen Energy 36 (4): 3187-3205.
35. Achmad, F., Kamarudin, S.K., Daud, W.R.W., Majlan, E.H. 2011. Passive direct methanol fuel cells for portable electronic devices Applied Energy 88 (5), 1681-1689.
36. Loh, K.S. Mohamad, A.B., Harahap, N., Kadhum, A.A.H., Daud, W.R.W. 2011. Analysis and optimization of operating parameters of a membrane-electrode assembly, Chemical Engineering & Technology Special Issue: Microtechnology in Chemical Engineering 34 (3): 439–444.
37. Yaakob, Z., Hakim, L., Satheesh Kumar, M.N., Ismail, M. & Daud, W.R.W. 2010. Hydroxyapatite supported Nickel catalyst for hydrogen production, American Journal Of Scientific And Industrial Research 1 (2): 122-126.
38. Dedikarni, Muchtar, A., Muhamad, N. & Daud, W.R.W. 2011. Microstructure characterisation Ag2O3-Bi2O3 composite cathode for intermediate temperature solid oxide fuel cell (IT-SOFC). Key Engineering Materials 471-472: 97-102
39. Raharjo, J., Muchtar, A., Daud, W.R.W., Muhamad, N. & Majlan, E.H. 2011. Fabrication of LSCF-SDC carbonates cathode for solid oxide fuel oxide (SOFC) applications. Key Engineering Materials 471-472: 179-184
40. Khadem, D.J., Yaakob, Z., Shahgaldi, S., Daud, W.R.W. & Majlan, E.H. 2011.Investigation of phase transformation and structure evolution of electrospun copper oxide nanofibers during thermal annealing. Key Engineering Materials Vols. 471-472 (2011) pp 792-797
41. Shahgaldi, S., Yaakob, Z., Khadem, D.J., Daud, W.R.W. & Majlan, E.H. 2011. Doping of palladium in silica nanofibers via electrospinning and sol gel synthesize as hydrogen storage material. Key Engineering Materials. 471-472: 1040-1045.
42. Hakim, L., Yaakob, Z., Ismail, M., Daud, W.R.W. & Majlan, E.H. 2011. Effect of Nickel Composition and preparation method for production of hydrogen via glycerol steam reforming. Key Engineering Materials 471-472: 1046-1051.
43. Shahgaldi, S., Yaakob, Z., Khadem, D.J., Daud, W.R.W., Norazrina Mat Jali & Herianto, E.H. 2011. Influence of iron oxide nanoparticles electrospun poly(vinyledene fluoride)-based carbon nanofibers for hydrogen storage. Key Engineering Materials 471-472: 1184-1189.
44. Fadhel, M.I., Sopian, K., Daud, W.R.W., Alghoul, M.A. 2011 Review on advanced of solar assisted chemical heat pump dryer for agriculture produce. Renewable and Sustainable Energy Reviews 15 (2): 1152-1168.
45. Markom, M., Hasan, M.; Daud, W.R.W.; Anuar, N.; Hassan, O.; Harcharan Singh 2010. Chemical Profiling and Quantification of Tannins in Phyllanthus niruri Linn. Fractionated by SFE Method. Separation Science and Technology, 46 (1): 71-78.

**Year 2010:**

1. Shahgaldi, S., Z. Yaakob, Sh. Moradi, M. Ghorannevis, Daud, W.R.W., D.J. Khadem and N. Mokhtarian 2010. Effects of sputtering gas and metallic thin film on the growth of carbon nanostructures. World Applied Sciences Journal 9 (Special Issue of Carbon Nanotubes ): 08-13.
2. Lim, S.S., Jahim, J.M., Daud, W.R.W., Ismail, M., Anuar, N., Kamarudin, S.K., Shari, S.N. 2010. Optimization of electricity generation and palm oil mill effluent (POME) treatment from microbial fuel cell. Journal of Applied Sciences 10 (24): 3355-3360
3. Hashim, N., Kamarudin, S.K., Daud, W.R.W. 2010. Reka bentuk dan pembangunan mikro sel fuel metanol langsung (μsfml ) untuk aplikasi mudah alih. Sains Malaysiana 39(6): 1015–1023.
4. Fadhel, M.I., Sopian, K., Daud, W.R.W. 2010 Performance analysis of solar-assisted chemical heat-pump dryer. Solar Energy 84 (11): 1920-1928.
5. Muchtar, A., Noorashina A. Hamid, Muhamad, N., Daud, W.R.W.. 2010. Sintering Effects on LSCF Cathodes for Intermediate Temperature Solid Oxide Fuel Cells (IT-SOFCs). Advanced Materials Research 139 – 141: 141-144
6. Najafpour, G.D., Rahimnejad, M., Mokhtarian, N., Daud, W.R.W. and Ghoreyshi, A.A. 2010. Bioconversion of whey to electrical energy in a biofuel cell using Saccharomyces serevisiae. World Applied Sciences Journal 8:1-5.
7. Basri, S., Kamarudin, S.K., Daud, W.R.W. & Yaakob, Z. 2010 Nanocatalyst for direct methanol fuel cell (DMFC). International Journal of Hydrogen Energy 35(15): 7957-7970.
8. Memar, A., Daud, W.R.W., Hosseini, S., Eftekhari, E., Minggu, L.J. 2010. Study on photocurrent of bilayers photoanodes using different combination of WO3 and Fe2O3. Solar Energy 84 (8): 1538-1544.
9. Minggu, L.J., Daud, W.R.W. & Kassim, M.. 2010. An overview of photocells and photoreactors for photoelectrochemical water splitting. International Journal of Hydrogen Energy 35 (11): 5233-5244.
10. Zainoodin, A.M., Kamarudin, S.K. & Daud, W.R.W. 2010. Electrode in direct methanol fuel cells. International Journal of Hydrogen Energy 35 (10): 4606-4621.
11. Sari, R., Yaakob, Z., Ismail, M. & Daud, W.R.W. 2010. Thin film of palladium on alumina ceramic membrane tube: Effect of combined sol-gel process with electroless plating on deposits morphology. Key Engineering Materials 447-448:700-704.
12. Hakim, L., Yaakob, Z., Ismail, M., Daud, W.R.W.. 2010. Nickel-Hydroxyapatite as Biomaterial Catalysts for Hydrogen Production via Glycerol Steam Reforming. Key Engineering Materials 447-448: 770-774
13. Mulyazmi, Daud, W.R.W. & Majlan, E.H. 2010. Design Models of Polymer Electrolyte Membrane Fuel Cell System. Key Engineering Materials 447-448: 554-558.
14. Misran, E., Daud, W.R.W. & Majlan, E.H. 2010. Review of seperpentine flow field design for PEM fuel cell system. Key Engineering Materials 447-448: 559-563.
15. Kurniawan, M., Daud, W.R.W. & Majlan, E.H. 2010. study effect of stress in electrical contact resistance of bipolar plate and membrane electrode assembly in proton exchange fuel cxell: A review. Key Engineering Materials 447-448: ms.775-779.
16. Raharjo, J., Muchtar, A., Daud, W.R.W., Muhammad, N. & Majlan, E.H. 2010. Fabrication of dense composite ceramic electrolyte SDC-(Li.Na)2CO3. Key Engineering Materials 447-448: 666-670.
17. Ahmad, M.M., Kamarudin, S.K. & Daud, W.R.W. 2010. Reka Bentuk Optimum Mikro Sel Fuel Metanol Langsung untuk Peralatan Mudah Alih. Sains Malaysiana 39(3):467-472.
18. Sari, R., Yaakob, Z., Ismail, M., Daud, W.R.W. 2010 Preparation of palladium-alumina membrane tube by combine sol-gel process with electroless plating for hydrogen permeation. Journal of Applied Sciences 10 (12): 1151-1156.
19. Jajaei, S.M., Daud, W.R.W., Markom, M., Zakaria, Z., Lo Presti, M., Costa, R. & Mondello, L. 2010. Extraction of melaleuca cajuputi using supercritical fluid extraction and solvent extraction J. Essential Oil Research 22 (3): 205-210.
20. Basri, S., Kamarudin, S.K., Daud, W.R.W. & Ahmad, M.M. 2010. Non-linear optimization of passive direct methanol fuel cell (DMFC). International Journal of Hydrogen Energy 35 (4): 1759 – 1768.
21. Ahmad, M.M., Kamarudin, S.K., Daud, W.R.W. & Yaakob, Z. 2010. High power passive μDMFC with low catalyst loading for small power generation Energy Conversion and Management 51 (4): 821-825.
22. Ahmad, H., Kamarudin, S.K., Hasran, U.A. & Daud, W.R.W. 2010. Overview of hybrid membranes for direct-methanol fuel-cell applications. International Journal of Hydrogen Energy 35 (5): 2160-2175
23. Lim, K.L., Kazemian, H. Yaakob, Z. & Daud, W.R.W.. 2010. Solid State Materials and Method for Hydrogen Storage: a Critical Review. Chem. Eng. Technol. 33 (2), pp. 213-226.
24. Woo, M.W., Daud, W.R.W., Mujumdar, A.S., Tasirin, S.M. & Talib, M.Z.M. 2010. Role of rheological characteristics in amorphous food particle-wall collisions in spray drying. Powder Technology 198 (2): 251-257.
25. Hosseini, S., Mohamad, A.B., Daud, W.R.W. & Kadhum, A.A.H. 2010. Thermal analysis of CsH2PO4 nanoparticles using surfactants CTAB and F-68. J. Thermal Analysis & Calorimetry 99 (1): 197-202.
26. Yaakob, Z., Kamarudin, S.K., Daud, W.R.W., Yosfiah, M.R., Lim, K.L. & Kazemian, H. 2010. Hydrogen production by methanol-steam reforming using Ni-Mo-Cu/g-alumina trimetallic. Asia-Pacific Journal of Chemical Engineering. 5 (6), pp. 862-868.

**Year 2009:**

1. Wan Ramli Wan Daud. 2009. Hydrogen fuel-cells: the future of clean energy technology. Science Vision. 15 (2): 41-47 (published in 2012)
2. Chong, C.H., Law, C.L., Cloke, M., Abdullah, L.C. & Daud, W.R.W. 2009. Kinetics of mass transfer, colour, total polyphenol and texture change of Manilkara Zapota during convective air drying. ASEAN JChE 2009, Vol. 1, No. 1, 47 – 59
3. Ibrahim, M., Sopian, K., Daud, W.R.W., Alghoul, M.A., Yahya, M., Sulaiman, M.Y., Zaharim, A. 2009 Solar chemical heat pump drying system for tropical region. WSEAS Transactions on Environment and Development 5 (5): 404-413
4. Ibrahim, M., Sopian, K., Daud, W.R.W., Alghoul, M.A., Yahya, M., Sulaiman, M.Y., Zaharim, A. 2009 Solar chemical heat pump drying system for tropical region. WSEAS Transactions on Environment and Development 5 (5): 404-413.
5. Basri, S., Kamarudin, S.K. & Daud, W.R.W. 2009 Design and optimization of Direct Methanol Fuel Cell (DMFC) Chemical Engineering Transactions 18: 111-116
6. Mohd Zamri Ibrahim, Sopian, K. & Daud, W.R.W. 2009. Experimental performance of PV-Wind-Battery Hybrid System for hydrogen production in tropical climatic condition through water electrolysis: a case study for Terengganu state, Malaysia. RERIC International Energy Journal. 10(1):11-18.
7. Ibrahim, M., Sopian, K., Daud, W.R.W. & Alghoul, M.A. 2009. An experimental analysis of solar-assisted chemical heat pump dryer. International Journal of Low-Carbon Technologies 4(2):78-83.
8. Rahimnejad, M., Mokhtarian, N., Najafpour, G.D., Daud, W.R.W., & Ghoresyhi, A.A. 2009. Low voltage power generation in a biofuel cell using anaerobic cultures. World Applied Sciences Journal 6(11):1585-1588.
9. Chong, C.H., Law, C.L., Cloke, M., Abdullah, L.C., Daud, W.R.W. 2009. Drying models and quality analysis of sun-dried ciku. Drying Technology 27 (9): 985-992.
10. Hamid, N.A., Muchtar, A., Daud, W.R.W. & Muhamad, N. 2009. Pencirian Mikrostruktur Katod La-Sr-Co-Fe-O bagi Sel Fuel Oksida Pepejal Bersuhu Sederhana (It-Sofc). Sains Malaysiana 38(6): 857–861.
11. Woo, M.W., Daud, W.R.W., Mujumdar, A.S., Wu, Z-H, Talib, M.Z.M. & Tasirin, S.M. 2009. Non-Swirling Steady and Transient Flow Simulations in Short-Form Spray Dryers. Chemical Product and Process Modeling 4(1): Article 20.
12. Hashim, N., Kamarudin, S.K. & Daud, W.R.W.. 2009 Design, fabrication and testing of a PMMA-based passive single-cell and a multi-cell stack micro-DMFC. International Journal of Hydrogen Energy 34 (19): 8263-8269.
13. Basri, S., Kamarudin, S.K., Daud, W.R.W., Yaakob, Z., Ahmad, M.M., Hashim, N. & Hasran, U.A. 2009 Unsteady-state modelling for a passive liquid-feed DMFC International Journal of Hydrogen Energy 34 (14): 5759-5769.
14. Kamarudin, S.K., Achmad, F. & Daud, W.R.W. 2009 Overview on the application of direct methanol fuel cell (DMFC) for portable electronic devices. International Journal of Hydrogen Energy 34 (16): 6902-6916.
15. Ibrahim, M., Sopian, K., Daud, W.R.W., Alghoul, M.A., Yahya, M., Sulaiman, M.Y. & Zaharim, A., A. 2009 Solar chemical heat pump drying system for tropical region. WSEAS Transactions on Environment and Development 5 (5): 404-413.
16. Anuar, N., Daud, W.R.W., Roberts, K.J., Kamarudin, S.K. & Tasirin, S.M.. 2009. An examination of the solution chemistry, nucleation kinetics, crystal morphology, and polymorphic behavior of aqueous phase batch crystallized L-Isoleucine at the 250 mL scale size. Crystal Growth & Design 9 (6): 2853-2862.
17. Nik Suhaimi Mat Hassan, Daud, W.R.W., Sopian, K. & Sahari, J.. 2009. Water management in a single cell pemfc with serpentine flow field. Journal of Power Sources 193: 249-257.
18. Yaakob, Z., Jaharah Abd. Ghani, Kamarudin, S.K., Daud, W.R.W. & Lim, K.L. 2009. The effect of catalyst metal loading and temperature on the reduction of carbon monoxide concentration in hydrogen production by steam reforming of methanol (SRM). European Journal of Scientific Research 26 (2),: 238-246.
19. Shamsudin, R., Daud, W.R.W., Takriff, M.S. & Hassan, O. 2009, Physico-mechanical properties of Josapine pineapple fruit. Pertanika J. Sci. & Technol. 17 (1): 117 – 123.
20. Woo, M.W., Daud, W.R.W., Tasirin, S.M. & Talib, M.Z.M. 2009. Controlling food powder deposition in spray dryers: Wall surface energy manipulation as an alternative. J. Food Eng. 94: 192–198.
21. Ho, S.L., Kamarudin, S.K., Daud, W.R.W. & Hasran, U.A. 2009. Performance evaluation of a passive small direct methanol fuel cell (DMFC). Journal of Applied Sciences 9(7):1324-1330.
22. Majlan, E.H., Daud, W.R.W., Iyuke, S.E. Mohamad, A.B., Kadhum, A.A.H., Mohammad, A.W., Takriff, M.S. & Nurhaswani Bahaman. 2009. Hydrogen purification using compact pressure swing adsorption system for fuel cell. Intern. J. Hydrogen Energy. 34(6): 2771-2777.
23. Chebbi, R., Beicha, A., Daud, W.R.W. & Zaamouche, R. 2009 Surface analysis for catalyst layer (PT/PTFE/C) and diffusion layer (PTFE/C) for proton exchange membrane fuel cells systems (PEMFCs). Applied Surface Science 255(12): 6367-6371.
24. Sitanggang, R., Daud, W.R.W., Mohamad, A.B., Kadhum, A.A.H. & Iyuke, S.E. 2009. Fabrication of gas diffusion layer based on x-y robotic spraying technique for proton exchange membrane fuel cell application. Energy Conversion & Management 50: 1419–1425.
25. Sopian, K., Ibrahim, M.Z., Daud, W.R.W., Othman, M.Y., Yatim, B. & Amin, N. 2009 Performance of a PV-wind hybrid system for hydrogen production. Renewable Energy 34(8): 1973-1978.
26. Kamarudin, S.K., Daud, W.R.W., Yaakob, Z., Misron, Z., Anuar, W. & Yusuf, N.N.A.N. 2009 Synthesis and optimization of future hydrogen energy infrastructure planning in Peninsular Malaysia Intern. J. Hydrogen Energy 34 (5): 2077-2088.
27. Ibrahim, M., Sopian, K. & Daud, W.R.W. 2009. Study of the drying kinetics of lemon grass American Journal of Applied Sciences 6 (6): 1070-1075,
28. Shamsudin, R., Daud, W.R.W., Mohd Sobri Takrif, Hassan, O. & Coskan Ilicali 2009. Rheological properties of Josapine pineapple juice at different stages of maturity. International Journal of Food Science and Technology 44: 757–762
29. Yaakob, Z., Kumar, M.N.S., Ibrahim, M.A., Daud, W.R.W. & Kadhum, A.A.H. 2009. Multi-composition Cu-Zn-Al catalyst supported on ZSM-5 for hydrogen production. European Journal of Scientific Research 28 (1): 141-154.
30. Mahreni, A., Mohamad, A.B. Kadhum, A.A.H., Daud, W.R.W. & Iyuke, S.E. 2009. Nafion/silicon oxide/phosphotungstic acid nanocomposite membrane with enhanced proton conductivity. J. Membrane Science 327 (1-2): 32-40.
31. Hasibuan, R. & Daud, W.R.W.. 2009. Quality changes of superheated steam dried empty fruit bunches fibers. Drying Technology 27(2): 194-200.
32. Batiha, M.A., Kadhum, A.A.H., Mohamad, A.B., Takriff, M.S., Fisal, Z., Daud, W.R.W. & Batiha, M.M. 2009. Modeling the fate and transport of non-volatile organic chemicals in the agro-ecosystem: A case study of Cameron Highlands, Malaysia. Process Safety and Environmental Protection 87 (2): 121-134.

**Year 2008:**

1. Batiha, M.A., Kadhum, A.A.H., Mohamad, A.B., Mohd S. Takriff, Fisal, Z., Daud, W.R.W. and Batiha, M.M. 2008.MAM-An Aquivalence-based Dynamic Mass Balance Model for the Fate of Non-Volatile Organic Chemicals in the Agricultural Environment. American J. of Engineering and Applied Sciences 1 (4): 252-259.
2. Basri, S., Kamarudin, S.K., Daud, W.R.W. & Yaakob, Z. 2008 Development of design advisor tool for direct methanol fuel cell. European Journal of Scientific Research 23 (2): 338-350
3. Raharjo, J., Dedikarni & Daud, W.R.W. 2008. Perkembangan teknologi material pada sel bahan bakar padat suhu operasi menengah. Jurnal Sains Materi Indonesia 10 (1):28-34.
4. Hamid, N.A., Muchtar, A., Muhamad, N. & Daud, W.R.W. 2008. Microstructure and Electrical Properties of La1-xSrxCo0.2Fe0.8O3-d Cathodes for IT-SOFC. Indonesian Nanoletter 2 (3): 13-18 ISSN 1907-803X
5. Woo, M.W., Daud, W.R.W., Mujumdar, A.S., Wu, Z.H., Talib, M.Z.M. & Tasirin, S.M. 2008. CFD Evaluation of droplet drying models in a spray dryer fitted with a rotary atomizer. Drying Technology 26(10):1180 - 1198
6. Daud, W.R.W. 2008. Fluidized bed dryers – recent advances, Advanced Powder Technology. 19(5): 403–418.
7. Sopian, K. & Daud, W.R.W. 2008. Development of the hydrogen energy roadmap and current status on R&D for Malaysia. ISESCO Science & Technology Vision 4 (5):12-15.
8. Chong, C.H., Law, C.L., Cloke, M., Hii, C.L., Abdullah, L.C. & Daud, W.R.W. 2008. Drying kinetics, texture, colour and determination of effective diffusivities during sun drying of chempedak. Drying Technology 26(10): 1286 – 1293.
9. Woo, M.W., Daud, W.R.W., Mujumdar, A.S., Talib, M.Z.M., Wu, Z.H. & Tasirin, S.M.. 2008. Comparative study of drying models for CFD simulations of spray dryers. Chem. Eng. Res. & Design 86(9):1038-1048.
10. Law, C.L. & Daud, W.R.W.. 2008. Design of hybrid drying- dedusting unit processor for rough rice processing. International Journal of Food Engineering, 4 (6): Article 8.
11. Woo, M.W., Daud, W.R.W., Tasirin, S.M. & Talib, M.Z.M.. 2008. Amorphous particle deposition and product quality under different conditions in a spray dryer. Particuology 6 (4): 265-270.
12. Chong, C.H., Law, C.L., Cloke, M., Hii, C.L., Abdullah, L.C. & Daud, W.R.W. 2008. Drying kinetics and product quality of dried chempedak. Journal of Food Engineering, 88(4): 522-527.
13. Yusri Yusup, Daud, W.R.W., Zaharim, A. & Talib, M.Z.M. 2008 Structure of the atmospheric surface layer over an industrialized equatorial area. Atmospheric Research, 90: 70–77.
14. Nordin, M.F.M., Daud, W.R.W., Talib, M.Z.M. & Hassan, O. 2008. Effect of process parameter on quality properties of microwave dried red pitaya (hylocereus undatus) International Journal of Food Engineering 4 (6): Article 2.
15. Rahman, F.H., Arifin, K., Daud, W.R.W., Daik, R. & Kassim, M.. 2008. Synthesis and characterization of tetraalkylammonium tetrathiotungstate complexes: x-ray crystal structure of tetrapropylammonium tetrathiotungstate [{(C3H7)4N}2 WS4]. Sains Malaysiana 37(2): 195 -199.
16. Rahman, F.H., Arifin, K., Daud, W.R.W., Daik, R. & Kassim, M.. 2008. Synthesis and characterization of tris(1-carboxyl-2-phenyl-1,2-ethylenodithiolenic-S,S') tungsten complex asphotocatalyst for photolysis of H2O molecules. Sains Malaysiana 37(2): 201- 203.
17. Woo, M.W., Daud, W.R.W., Tasirin, S.M. & Talib, M.Z.M. 2008. Effect of wall surface properties at different drying kinetics on the deposition problem in spray drying. Drying Technology 26(1): 15-26.

**Year 2007:**

1. Kamarudin, S.K., Daud, W.R.W. & Mohammad, A.W.. 2007. Development of short cut design method for co removal system. Jurnal Kejuruteraan 19:63-76.
2. Kamarudin, S.K., Daud, W.R.W., Som, A.M. & Masdar, M.S.. 2007. Conceptual design of 5 kW PEM fuel cell stack. Jurnal Kejuruteraan 19:43-53.
3. Alhwaige, A.A., Tasirin, S.M. & Daud, W.R.W. 2007 Experimental study on the mixing of binary polymer particles in different types of mixer. Journal of Applied Sciences 7 (15): 2200-2205
4. Law, C.L., Daud, W.R.W. & Abdullah, L.C.. 2007. Design of hybrid heat pump dryer – dehumidifier for drying of agricultural products. Chemical Engineering Transactions, 12: 263-274.
5. Rosli, N. R., Daud, W.R.W., Md Jahim, J. & Markom, M. 2007. Supercritical fluid extraction of ctronella (cymbopogon nardus) essential oil: modelling the effects of varying operating temperature and pressure. Malaysian Journal of Chemical Engineering 1:143-152.
6. Shamsudin, R., Daud, W.R.W., Takriff, M. S., & Hassan, O. 2007. Physicochemical properties of the josapine variety of pineapple fruit, International Journal of Food Engineering 3(5): Article 9.
7. Woo, M.W., Daud, W.R.W., Tasirin, S.M. & Talib, M.Z.M. 2007. Optimization of the spray drying operating parameters – a quick trial and error method. Drying Technology. 25(10): 1741-1747.
8. Daud, W.R.W. 2007. A crossflow model for continuous plug flow fluidised bed crossflow dryers Drying Technology. 25 (7-8): 1229-1235.
9. Hasibuan, R. & Daud, W.R.W. 2007. Through drying characteristic of oil palm empty fruit bunches (EFB) fiber using superheated steam. Asia Pacific Journal Chemical Engineering 2 (1): 35-40.
10. Daud, W.R.W., Talib, M.Z.M. & Kyi, T.M. 2007. Drying with chemical reaction in cocoa beans, Drying Technology. 25(5):877-885.
11. Sopian, K., Supranto, Othman, M.Y., Daud, W.R.W. & Yatim, B. 2007 Double-pass solar collectors with porous media suitable for higher-temperature solar-assisted drying systems. Journal of Energy Engineering 133 (1):13-18
12. Batiha, M.A., Kadhum, A.A.H., Fisal, Z., Mohamad, A.B., Daud, W.R.W., Takriff, M.S. & Batiha, M.M.2007. The Fate of non-volatile organic chemicals in the agricultural environment. American Journal of Applied Sciences 2 (7): 456-464.
13. Kamarudin, S.K., Daud, W.R.W., Ho, S.L. & Hasran, U.A.. 2007. Overview on the challenges and developments of micro-direct methanol fuel cells (DMFC). J. of Power Sources. 163(2): 743-754.
14. Markom, M., Hasan, M., Daud, W.R.W., Singh, H. & Md Jahim, J. 2007. Extraction of hydrolysable tannins from phyllanthus niruri Linn.: Effects of solvents and extraction method. Separation and Purification Technology 52: 487–496.

**Year 2006:**

1. Daud, W.R.W. 2006. Shortcut design method for reverse osmosis tubular module: the effect of varying transmembrane pressure and concentration polarization.Desalination 201: 297–305.
2. Kamarudin, S.K., Daud, W.R.W., Som, A.M., Takriff, M.S. & Mohammad, A.W.. 2006. Synthesis and optimization of a PEM fuel cell system via reactor-separation network (RSN). Journal of Power Sources 159: 1194–1204.
3. Kamarudin, S.K., Daud, W.R.W., Som, A.M., Takriff, M.S. & Mohammad, A.W. 2006. Technical design and economic evaluation of a PEM fuel cell system. Journal of Power Sources 157: 641-649.
4. Othman, M.Y., Sopian, K., Yatim, B. & Daud, W.R.W. 2006. Development of advanced solar assisted drying systems. Renewable Energy 31 (5): 703-709.
5. Sopian, K. & Daud, W.R.W. 2006. Challenges and future developments in proton exchange membrane fuel cells. Renewable Energy 31 (5): 719-727.

**Year 2005:**

1. Kamarudin, S.K., Daud, W.R.W. & Mohammad, A.W. 2005. Hydrogen purification system for pemfc: a mesoporous tubular ceramic membrane and a pressure swing adsorber in series. Journal of Solid State Science and Technology Letters 12(1): 139-139.
2. Kamarudin, S.K., Daud, W.R.W. & Som, A.M. 2005. Clean cheap and compact (3c) power generation system for mobile and portable application: PEM fuel cell. Journal of Solid State Science & Technology (Letters) 12(1): 151-151
3. Kamarudin, S.K., Daud, W.R.W., Som, A.M., Mohammad, A.W., Takriff, M.S. & Loke, Y.K. 2005. Design of a fuel processor unit for PEM fuel cell via shortcut design method. Fuel Cell Virtual Journal 2(12) (penerbitan terpilih- atas talian).
4. Sopian, K., Othman, M.Y., Yatim, B. & Daud, W.R.W. 2005. Future directions in Malaysian environment friendly renewable energy technologies research and development. ISESCO Science & Technology Vision 1(1): 30 -36.
5. Ng, P.P., Law, C.L., Tasirin, S.M. & Daud, W.R.W. 2005. Drying characteristics of malaysian paddy: kinetics & grain cracking quality. Drying Technology 23 (12): 2477 – 2490.
6. Kyi, T.M., Daud, W.R.W., Mohamad, A.B., Samsudin, M.W., Kadhum, A.A.H. & Talib, M.Z.M. 2005. Kinetics of polyphenol degradation during the drying of malaysian cocoa beans, Int. J. Food Sci. & Tech. 40: 323–331.

**Year 2004:**

1. Law, C.L., Tasirin, S.M., Daud, W.R.W. & Ng, P.P. 2004. The Effect of vertical internal baffles on fluidization hydrodynamics and grain drying characteristics. Chinese J. Chemical Engineering. 12 (6): 801-808.
2. Daud, W.R.W. 2004. A New Short-cut design method for ultrafiltration and hyperfiltration cross-flow hollow fibre membrane modules. J. Teknologi. 41(F): 21 - 40.
3. Kamarudin, S.K., Daud, W.R.W., Som, A.M., Takriff, M.S., Mohammad, A.W. & Loke, Y.K. 2004. Design of a fuel processor unit for PEM fuel cell via shortcut design method. Chem. Eng. J. 104: 7–17.
4. Kamarudin, S.K., Daud, W.R.W., Som, A.M., Mohammad, A.W., Takriff, M.S. & Masdar, M.S. 2004. The conceptual design of a PEMFC system via simulation. Chem. Eng. J. 103: 99-113.
5. Daud, W.R.W. 2004. Rate-based design of non-fouled cross-flow hollow fibre membrane modules for hyperfiltration. Chem. Eng. Res. & Des. 82 (8): 993 - 998.
6. Daud, W.R.W., Mohamad, A.B., Kadhum, A.A.H., Chebbi, R. & Iyuke, S.E., 2004. Performance optimisation of PEM fuel cell during MEA fabrication. Energy Conversion and Management 45: 3239–3249.
7. Mujumdar, A.S., Law, C.L. & Daud, W.R.W. 2004 Fluidized bed dryers: classification and selection. Chemical Engineering Digest April, 71- 83.
8. Daud, W.R.W. 2004. Rate-based design of non-fouled cross-flow hollow fiber membrane modules for ultrafiltration. Separation Science & Technology 39 (6): 1221–1238.
9. Turmuzi, M., Daud, W.R.W., Tasirin, S.M., Mohd. Sobri Takriﬀ & Iyuke, S.E. 2004. Production of activated carbon from candlenut shell by CO2 activation. Carbon 42: 453–454.

**Year 2003:**

1. Daud, W.R.W. 2003. Kaedah reka bentuk singkat penjerap J. Jurutera Kimia Malaysia 3 : 13 – 20.
2. Kamarudin, S.K., Daud, W.R.W., Mohammad, A.W., Som, A.M. & Takriff, M.S. 2003. Design of a tubular ceramic membrane for gas separation in PEMFC system. Fuel Cells 3 (3) : 1 - 10.
3. Law, C.L., Tasirin, S.M. & Daud, W.R.W. 2003. A new variable diffusion drying model for the second falling rate period of paddy dried in a rapid bin dryer. Drying Technology 21(9), 1703-1722.
4. Law, C.L., Tasirin, S.M., Daud, W.R.W. & Geldart, D. 2003. Effect of vertical baffles on particle mixing and drying in fluidized beds of group D particles. China Particuology 1 (3): 115 – 118.
5. Iyuke, S.E., Mohamad, A.B., Kadhum, A.A.H., Daud, W.R.W. & Chebbi, R. 2003 Improved membrane and electrode assemblies for proton exchange membrane fuel cells. Journal of Power Sources 114 (2): 195-202.

**Year 2002:**

1. Kamarudin, S.K., Daud, W.R.W., Som, A.M., Mohammad, A.W., Takriff, M.S. & Iyuke, S.E. 2002. A review on fuel cell as advanced power source, ASEAN J. Chem. Eng., 2(1): 75-86.
2. Al-Khatib, M.F., Iyuke, S.E., Mohamad, A.B., Daud, W.R.W., Kadhum, A.A.H., Shariff, A.M. & Yarmo, M.A. 2002. The effect of impregnation of activated carbon with SnCl2.2H2O on its porosity, surface composition and CO gas adsorption. Carbon 40 (11) : 1929-1936.

**Year 2001:**

1. Sarmidi, M.R., Aziz, R., Hussain, M.A. & Daud, W.R.W. 2001. Overview of petrochemical based industries in Malaysia. ASEAN J. Chem. Eng. 1 (1) : 7 : 16
2. Iyuke, S. E., Mohamad, A.B. & Daud, W.R.W. 2001. The use of Sn-impregnated activated carbon for the removal of CO in PSA system. Jurnal Kejuruteraan 13:115-125.
3. Iyuke, S. E., Daud, W.R.W. & Mohamad, A.B. 2001. Estimation of humidification load from humidifier column by convective heat transfer in water-air-vapour system. Chemical Engineering Science 56 (16): 4949-4956.
4. Lwin, Y., Daud, W.R.W., Yaakob, Z. & Mohamad, A.B., 2001. Synthesis & characterization of cu-al layered double hydroxides. Materials Research Bulletin 36: 193 - 198.
5. Daud, W.R.W. & Zain, S.M.. 2001. Indegenisation of technology and the challenge of globalization: the case of Malaysia. MAAS Journal of Islamic Science 15(1-2):109-134.

**Year 2000:**

1. Iyuke, S.E., Mohamad, A.B., Daud, W.R.W., Kadhum, A.A.H., Fisal, Z. & Shariff, A.M.. 2000 Heavy metal uptake from aqueous solution by cork and yohimbe bark wastes. Journal of Chemical Technology and Biotechnology 75 (9),: 812-816
2. Daud, W.R.W., Myint, S., Mohamad, A.B. & Kadhum, A.A.H. 2000. Prediction of chromatographic separation of eugenol by the fast fourier transform method. Pertanika J. Sci. & Technol. 8(2): 217 –227.
3. Takriff, M.S., Alam, Z., Daud, W.R.W. & Fisal, Z. 2000, Multiphase oscillatory flow in a baffled tube. Journal of Industrial Technology 9 (2) : 75-84.
4. Mohamad, A.B., Iyuke, S.E., Daud, W.R.W., Kadhum, A.A.H., Fisal, Z., Al-Khatib, M.F. & Shariff, A.M. 2000. Adsorption of carbon monoxide on activated carbon-tin ligand, Journal of Molecular Structure 550 – 551: 511 – 519.
5. Iyuke, S.E., Mohamad, A.B., Daud, W.R.W., Kadhum, A.A.H., Fisal, Z. & Shariff, M.A. 2000 Removal of CO from process gas with Sn-activated carbon in pressure swing adsorption. Journal Chemical Technology & Biotechnology 75: 803 - 811.
6. Iyuke, S.E., Mohamad, A.B., Daud, W.R.W., Kadhum, A.A.H., Fisal, Z. & Shariff, M.A. 2000. Application of Sn-activated carbon in pressure swing adsorption for purification of H2. Chemical Engineering Science 55: 4745 - 4755.
7. Daud, W.R.W., Sarker, M.N.H. & Talib, M.Z.M., 2000. Drying characteristics of Malaysian padi, PERTANIKA J. of Sci. & Technol. 8 (1): 105 – 115.
8. Lwin, Y., Daud, W.R.W., Yaakob, Z. & Mohamad, A.B., 2000. Hydrogen production from steam-methanol reforming: thermodynamic analysis. International Journal of Hydrogen Energy 25: 47 –53..
9. Lwin, Y., Mohamad, A.B., Yaakob, Z. & Daud, W.R.W.. 2000. XRD and TPR studies of Cu-Al hydrotalcite derived highly dispersed mixed metal oxides. Reaction Kinetics and Catalysis Letters 70(2) : 303-310.
10. Kadhum, A.A.H., Daud, W.R.W., Mohamad, A.B., Rasheed, M.H. & Yarmo, M.A. 2000. X-ray photoelectron spectroscopy analysis of Nafion 117 electrolytic membrane. Sains Malaysiana 29: 187 –196.

**Year 1999:**

1. Daud, W.R.W. & Zain, S.M. 1999. Pemelayuan, pemalaysiaan dan pengislaman ilmu sains dan teknologi dalam konteks dasar sains negara. Kesturi 9(1):1-32.
2. Supranto, Sopian, K., Daud, W.R.W., Othman, M.Y. & Yatim, B. 1999. Design of an experimental solar assisted dryer for palm oil fronds. Renewable Energy 16 (1-4): 643 - 646.
3. Sopian, K., Supranto, Daud, W.R.W., Yatim, B. & Othman, M.Y. 1999. Thermal performance of the double-pass solar collector with and without porous media. Renewable Energy 18 (4): 557- 564.

**Year 1997:**

1. Mohamad, A.B., Daud, W.R.W., Kadhum, A.A.H., Messaud, F. & Mohd. Yarmo, M.A. 1997. Characterisation of Aciplex membrane by X-ray photoelectron spectroscopy. Sains Malaysiana 26(3 &4): 109-117.
2. Daud, W.R.W., Ibrahim, M.H. & Talib, M.Z.M. 1997. Parameter estimation of Fick’s Law drying equation. Drying Technology 15 (6-8), 1673 - 1686.
3. Ibrahim, M.H., Daud, W.R.W. & Talib, M.Z.M. 1997. Drying characteristics of oil palm kernels. Drying Technology 15(3&4): 1103-1117.
4. Daud, W.R.W., Ibrahim, M.H. & Talib, M.Z.M. 1997. Equilibrium relative humidity-equilibrium moisture content isotherms of oil palm kernel. PERTANIKA J. of Sci. & Technol. 5 (1): 1 - 6.

**Year 1996:**

1. Myint, S., Daud, W.R.W., Mohamad, A.B. & Kadhum, A.A.H. 1996. Gas chromatographic analysis of eugenol in alcohol clove extract of cloves. J. of Chromatography B 679: 193 - 195.
2. Myint, S., Daud, W.R.W., Mohamad, A.B. & Kadhum, A.A.H. 1996. Temperature-dependent diffusion coefficient of soluble substances during ethanol extraction of clove. J. Amer. Oil Chemists' Soc. 73 (5): 603 - 610.
3. Daud, W.R.W., Talib, M.Z.M. & Ibrahim, M.H. 1996. Characteristic drying curves of cocoa beans. Drying Technology 14 (10): 2387 - 2396..

**Year 1995:**

1. Kadhum, A.A.H., Daud, W.R.W., Mohamad, A.B. & Zakaria, M.N. 1995. Carbonization process of coconut shell. Sains Malaysiana 24 (2):1 - 7.
2. Myint, S., Daud, W.R.W. & Mohamad, A.B. 1995. Determination of optimal conditions for extraction of alcohol-soluble eugenol containing material from cloves. PERTANIKA J. of Sci. & Technol. 3(1): 99 - 106.
3. Myint, S., Daud, W.R.W., Mohamad, A.B. & Kadhum, A.A.H. 1995. Separation and identification of eugenol in ethanol extract of cloves by reversed phase high-performance liquid chromatography. J. Amer. Oil Chemists' Soc. 72 (10): 1231 - 1233.
4. Talib, M.Z.M., Daud, W.R.W., & Ibrahim, M.H. 1995. Moisture desorption isotherms for cocoa beans. TRANS. ASAE 38 (4): 1153 - 1155.

**Year 1993:**

1. Daud, W.R.W. 1993. Sejarah teknologi Melayu pada Zaman Islam. Jurnal SARI 11: 127 - 168.

**Year 1992:**

1. Daud, W.R.W. & Omar, Z. 1992. Numerical simulation of conductive drying. Jurutera Kimia Malaysia 1 (2): 46 - 56.
2. Daud, W.R.W. & Jabar, J. 1992. Data keseimbangan torium and uranium daripada sisa perlombongan timah dalam sistem air-kerosin-TBP berasid. Jurutera Kimia Malaysia 1 (2): 85 - 94.
3. Rahman, R.A., Suwandi, M.S., Yusoff, M.F., Daud, W.R.W., Salihon, J., Fisal, Z., Mohamad, A.B., Abdullah, N. & Mohammad, A.W. 1992. Kemajuan jurutera kimia di Malaysia: Penyelidikan di Jabatan Kejuruteraan Kimia and Proses UKM. Jurutera Kimia Malaysia 1 (2): 1 - 19.

**Year 1991:**

1. Daud, W.R.W. 1991. Thermal dynamics of a drum dryer. Drying Technology 9 (2): 463 - 478.

**Year 1990:**

1. Daud, W.R.W. 1990. Reologi kanji beras tergelatin pada suhu rendah (rheology of gelatinised rice starch). Sains Malaysiana 19 (2): 89 - 97.
2. Daud, W.R.W. & Govindasamy, P. 1990. Proses penghasilan kitin daripada kulit udang (chitin production process from prawn shells). PERTANIKA 13 (2): 229 - 237.
3. Daud, W.R.W., Mohd. Fauzi Yusoff & Rao, D.S.K. 1990. Proses penghasilan bromelin daripada batang nenas (bromelin production process from pineapple stems). PERTANIKA 13 (1) 113 - 121.

**Year 1989:**

1. Daud, W.R.W. 1989. Theoretical simulation on conductive drying of thin films of gel. PERTANIKA 12 (2): 245 - 263.

**Year 1988:**

1. Daud, W.R.W. & Armstrong, W.D. 1988, Residence time distribution of drum dryers. Chemical Engineering Science 43 (9): 2399-2405.
2. Daud, W.R.W. & Armstrong, W.D. 1988. Conductive drying characteristics of gelatinized rice starch. Drying Technology 6 (4):655-674.

**Year 1986:**

1. Daud, W.R.W. 1986. Calendering of non-newtonian fluids. Journal of Applied Polymer Science 31: 2457-2465.

## Articles in Proceedings of International Conferences

**Year 2021:**

1. Lew, G.L., Ibrahim, N., Abdullah, S., Daud, W.R.W. & Ramli, W.K.W. 2021. Exsolution Enhancement of Metal-support CO Oxidation Perovskite Catalyst with Parameter Modification. IOP Conference Series: Earth and Environmental Science 765 (1), 0120.

**Year 2019:**

1. Ahmad Zubair Yahaya, Mahendra Rao Somalu, Andanastuti Muchtar, Shaharin Anwar Sulaiman, Wan Ramli Wan Daud 2019. Impact of tars on the performance of solid oxide fuel cell anodes: A Review Symposium on Fuel Cell & Hydrogen Technology 2019 (SFCHT2019), Bangi Resort Hotel, Selangor, Malaysia, 17-18 April 2019.
2. Chun Yik Wong, Wai Yin Wong, Kee Shyuan Loh, Wan Ramli Wan Daud, Kean Long Lim, Rashmi Walvekar and Mohammad Khalid 2019. Effect of sulfonating agents on the proton conductivity of chitosan/sulfonated-poly(vinylalcohol) membranes, Symposium on Fuel Cell & Hydrogen Technology 2019 (SFCHT2019), Bangi Resort Hotel, Selangor, Malaysia, 17-18 April 2019.
3. Nowilin James Rubinsin, Wan Ramli Wan Daud, Siti Kartom Kamarudin, Mohd Shahbudin Mastar, Masli Irwan Rosli and Kean Long Lim optimization model of biomass value chain of malaysian empty fruit bunches producing hydrogen energy in Peninsular Malaysia. Symposium on Fuel Cell & Hydrogen Technology 2019 (SFCHT2019), Bangi Resort Hotel, Selangor, Malaysia, 17-18 April 2019.
4. Ros Emilia Rosli, Abu Bakar Sulong, Wan Ramli Wan Daud, Mohd Asyraf Zulkifley, Masli Rosli and Edy Herianto Majlan 2019. Designing of high temperature proton exchange membrane fuel cell (HT-PEMFC) system monitoring platform, Symposium on Fuel Cell & Hydrogen Technology 2019 (SFCHT2019), Bangi Resort Hotel, Selangor, Malaysia, 17-18 April 2019.
5. Swee Su Lim, Wan Ramli Wan Daud, Keith Scott and Eileen Hao Yu 2019. High rate hydrogen production in microbial electrolysis cell fully catalysed by microorganisms, Symposium on Fuel Cell & Hydrogen Technology 2019 (SFCHT2019), Bangi Resort Hotel, Selangor, Malaysia, 17-18 April 2019.
6. Nurato, Edy Herianto Majlan, Wan Ramli Wan Daud Daud, Teuku Husaini, Masli Irwan Rosli, Abu Bakar Sulong and Darwin Sebayang 2019. Finite element analysis for stress distribution in stack proton exchange membrane fuel cell (PEMFC), Symposium on Fuel Cell & Hydrogen Technology 2019 (SFCHT2019), Bangi Resort Hotel, Selangor, Malaysia, 17-18 April 2019.
7. Nur Fawwaz Asri, Abu Bakar Sulong, Teuku Husaini, Nabilah Afiqah Mohd Radzuan, Edy Herianto Majlan, Wan Ramli Wan Daud. 2019. Single stack performance using chromium carbide (cr-c) and niobium carbide (Nb-C) coated on 316 L bipolar plates, Symposium on Fuel Cell & Hydrogen Technology 2019 (SFCHT2019), Bangi Resort Hotel, Selangor, Malaysia, 17-18 April 2019.
8. Resa Taruna Suhada1,2, Wan Ramli Wan Daud1, Dana Santoso Saroso2, Edy Herianto Majlan1,\*, Umi Azmah Binti Hasran 2019. Hydrogen production potential from geothermal energy in Indonesia, Symposium on Fuel Cell & Hydrogen Technology 2019 (SFCHT2019), Bangi Resort Hotel, Selangor, Malaysia, 17-18 April 2019.
9. Ahmad Zubair Yahaya, Mahendra Rao Somalu, Andanastuti Muchtar, Shaharin Anwar Sulaiman, Wan Ramli Wan Daud 2019. Characterization of tar formation during high temperature gasification of different chemical compositions in biomass. IOP Conference Series: Earth and Environmental Science 2019 268 (2019) 012142.

**Year 2018:**

1. Mulyazmi., Daud, W.R.W., Octavia, S., Ulfah, M., 2018. The Relative Humidity Effect of the Reactants Flows into the Cell to Increase PEM Fuel Cell Performance. MATEC Web of Conferences, Volume 156(7), pp.1–7. The 24th Regional Symposium on Chemical Engineering (RSCE 2017), Semarang, Indonesia, November 15-16, 2017.
2. Wong, C.Y., Wong, W.Y., Loh, K.S., Daud, W.R.W., Lim, K.L., Walvekar, R. & Khalid, M. 2018. Comparative study on water uptake and ionic transport properties of pre- and post sulfonated chitosan/PVA polymer exchange membrane, IOP Conference Series: Materials Science and Engineering, Volume 458, Issue 1, 24 December 2018, Article number 012017, 5th International Conference on Process Engineering and Advanced Materials, ICPEAM 2018; Kuala Lumpur; Malaysia; 13 - 14 August 2018; Code 143521
3. Zainal, S.A., Daud, W.R., Putra, Z.A. & Nor, N. 2018. Integrated constraints optimization for surface and sub-surface towards CAPEX free maximizing production. IOP Conference Series: Materials Science and Engineering, Volume 458, Issue 1, 24 December 2018, Article number 012045, 5th International Conference on Process Engineering and Advanced Materials, ICPEAM 2018, 13-14 August 2018, Kuala Lumpur; Malaysia.
4. Fang, T.P., Wan Daud, W.R., Halim, L., Masdar, M.S. 2018. How ready is renewable energy? a review on renewable energy and fuel cell teaching in schools, Proceedings of the 2017 7th World Engineering Education Forum, WEEF 2017- In Conjunction with: 7th Regional Conference on Engineering Education and Research in Higher Education 2017, RCEE and RHEd 2017, 1st International STEAM Education Conference, STEAMEC 2017 and 4th Innovative Practices in Higher Education Expo 2017, I-PHEX 2017, 8466971, pp. 236-244.
5. Wan Ramli Wan Daud. 2018. Islamic Philosophy of ICT, The 7th International Conference on Information and Communication Technology for the Muslim World (ICT4M2018), 22-26 July 2018, International Islamic University Malaysia, Gombak, Selangor, Malaysia.
6. Wan Ramli Wan Daud. 2018. Biological Photovoltaic Cells: A New Emerging Microbial Fuel Cell Technology For Harvesting Solar Energy Into Electricity Using Microalgae And Cyanobacteria, The 9th International Conference on Mechanical and Manufacturing Engineering (ICME2018), 16-17 July 2018, Pulai Springs Resort, Johor, Malaysia.
7. I.G. Ayu Arwati, Edy Herianto Majlan, Wan Ramli Wan Daud, Loh Kee Shyuan, Khuzaimah Binti Arifin, Teuku Husaini, Sagir Alfa & Fakhruddien Ashidiq 2018. Temperature effects on stainless steel 316l corrosion in the environment of sulphuric acid (H2SO4), IOP Conference Series: Materials Science and Engineering, 03- 04/05/2018, Bali, Indonesia.
8. Kee Shyuan Loh, Joy Wei Yi Liew, Azizan Ahmad, Kean Long Lim & Wan Ramli Wan Daud 2018. O-methylene phosphonic k-carrageenan as filler for chitosan-based polymer electrolyte, International Conference On Renewable Energy 2018, 25- 27/04/2018, Barcelona, Spain
9. Nur Fadhilah Abdul Jalil, Umi Azmah Hasran, Rosseni Din, Wan Ramli Wan Daud 2018. Mobile game-based approach for secondary education: need analysis for fuel cell learning. 2nd International Conference on Academic Multidisciplinary Educational Research 2018 (2ND IC-CAMERON 2018)., 26 - 27/01/2018, Cameron Highlands, Pahang.

**Year 2017:**

1. Wan Ramli Wan Daud. Hydrogen economy: viability and challenges, The 24th Regional Symposium on Chemical Engineering (RSCE 2017), 15–16 November 2017, Semarang, Indonesia.
2. Wan Ramli Wan Daud. Hydrogen and fuel cells: sustainable energy for the future, The 2nd International Conference on Engineering and Technology for Sustainable Development 2017, (ICET4SD 2017), 13 – 14 September 2017, Yogyakarta, Indonesia.
3. Wan Ramli Wan Daud. Microbial Fuel Cells:Simultaneous Power Generation and Wastewater Treatment, International Conference on Energy, Environment and Information System (ICENIS) 2017. 15-16 August, 2017, Semarang, Indonesia
4. Wan Ramli Wan Daud. Microbial electrolysis cells, novel hydrogen production technology: issues and challenges, the 13th International Conference on Global Sustainability and Chemical Engineering (ICGSCE 2017), 15–16 February 2017, Putrajaya, Malaysia
5. Wan Ramli Wan Daud. The blueprint of fuel cell industries in Malaysia, the 6th International Conference on Fuel Cells and Hydrogen Technology (ICFCHT 2017) 12 –13 April 2017, Putrajaya, Malaysia.
6. Rahman S.N.A., Masdar M.S., Rosli M.I., Majlan E.H., Husaini T., Daud W.R.W., Rejab S.A.M., Chew C.L. 2017. Effects of ambient condition on the performance of polymer electrolyte membrane fuel cell stack, 6th International Conference on Fuel Cell & Hydrogen Technology 2017 (ICFCHT2017), 11- 13/04/2017, Putrajaya, Malaysia
7. Ibdal Satar, Wan Ramli Wan Daud, Byung Hong Kim, Mostafa Ghasemi, Mahendra Rao Somalu, Mimi Hani Abu Bakar 2017. Immobilized Mixed-culture Reactor (IMcR) for hydrogen and methane production from glucose, 6th International Conference on Fuel Cell & Hydrogen Technology 2017 (ICFCHT2017), 11- 13/04/2017, Putrajaya, Malaysia
8. S M Daud, W R W Daud, B H Kim, M Somalu, M H A. Bakar, M. Ghasemi 2017. Investigation of power overshoot and fouling ceramic membrane in microbial fuel cells, 6th International Conference on Fuel Cell & Hydrogen Technology 2017 (ICFCHT2017), 11- 13/04/2017, Putrajaya, Malaysia
9. Lee Pak Hoe, Loh Kee Shyuan, Wan Ramli Wan Daud & Mahendra Rao Somalu 2017.Materials for high temperature PEM fuel cell mea: a review. 6th International Conference on Fuel Cell & Hydrogen Technology 2017 (ICFCHT2017), 11- 13/04/2017, Putrajaya, Malaysia
10. Shuaiba Samad, Kee Shyuan Loh & Wan Ramli Wan Daud 2017. Temperature and composition effect on the morphology and particles size of the feco-ng catalyst, 6th International Conference on Fuel Cell & Hydrogen Technology 2017 (ICFCHT2017), 11- 13/04/2017, Putrajaya, Malaysia
11. T. Jafary, W.R.W. Daud, M.H. Bakar, M. Ghasemi, J.M. Jahim B.H. Kim, M. Ismail. 2017. Sustainable and enhanced biocathode startup by an abio-bio cathode configuration for hydrogen production in a microbial electrolysis cell, , 6th International Conference on Fuel Cell & Hydrogen Technology 2017 (ICFCHT2017), 11- 13/04/2017, Putrajaya, Malaysia
12. A. Ismail, S.K. Kamarudin, W.R.W. Daud, S. Masdar and U.A. Hasran 2017. Synthesis and optimisation of direct methanol fuel cells for portable application via cell integrated network 2017. 6th International Conference on Fuel Cell & Hydrogen Technology 2017 (ICFCHT2017), 11- 13/04/2017, Putrajaya, Malaysia
13. Nur Fawwaz Asri, Teuku Husaini, Abu Bakar Sulong, Wan Ramli Wan Daud, Edy Herianto Majlan and Bushroa Abdul Razak 2017. Anticorrosion and electrical conductivity of SUS 316L plates with Cr as surface modification for bipolar plates potential at anode/cathode in PEMFC, 6th International Conference on Fuel Cell & Hydrogen Technology 2017 (ICFCHT2017), 11- 13/04/2017, Putrajaya, Malaysia
14. B.H. Lim, E.H. Majlan, W.R.W. Daud, M.I. Rosli and T. Husaini 2017. The Effect of modified parallel flow field on proton exchange membrane fuel cell performance, 6th International Conference on Fuel Cell & Hydrogen Technology 2017 (ICFCHT2017), 11- 13/04/2017, Putrajaya, Malaysia.
15. R.E. Rosli, A.B. Sulong,W.R.W. Daud, M.A. Zulkifley, T. Husaini, M.I. Rosli, E.H. Majlan and M.A. Haque 2017. Design and development of HT-PEMFC test cell and test station. 6th International Conference on Fuel Cell & Hydrogen Technology 2017 (ICFCHT2017), 11- 13/04/2017, Putrajaya, Malaysia.
16. B.H. Lim, E.H. Majlan, W.R.W. Daud, M.I. Rosli and T. Husaini 2017. Three-dimensional study of stack on the performance of proton exchange membrane fuel cell, 6th International Conference on Fuel Cell & Hydrogen Technology 2017 (ICFCHT2017), 11- 13/04/2017, Putrajaya, Malaysia.
17. Marliyana Mokhtar, Meor Zainal Meor Talib, Edy Herianto Majlan, Azizan Ahmad, Siti Masrinda Tasirin and Wan Ramli Wan Daud 2017. The physical observation and conductivity studies of alkaline PVA/ZnO solid polymer electrolyte for Aluminium-air battery applications. 6th International Conference on Fuel Cell & Hydrogen Technology 2017 (ICFCHT2017), 11- 13/04/2017, Putrajaya, Malaysia
18. R.A. Shamsuddin, M.H.A Bakar, W.R.W. Daud, B.H. Kim, J.M. Jahim, W.S.A.W.M. Noor and R.M. Yunus 2017. Can electrochemically active biofilm protect stainless steel used as electrodes in bioelectrochemical systems in a similar way as galvanic corrosion protection? 6th International Conference on Fuel Cell & Hydrogen Technology 2017 (ICFCHT2017), 11- 13/04/2017, Putrajaya, Malaysia
19. Ahmad Tajuddin, Teuku Husaini, Edy Herianto Majlan, Wan Ramli Wan Daud and Abu Bakar Sulong 2017. Effect of assembly pressure on the performance of full stack PEMFC: A review on the recent development of modeling and experimental research, 6th International Conference on Fuel Cell & Hydrogen Technology 2017 (ICFCHT2017), 11- 13/04/2017, Putrajaya, Malaysia
20. Siti Nur Hidayah Jaafar, Lorna Jeffery Minggu, Khuzaimah Ariffin, Mohammad B. Kasssim and Wan Ramli Wan Daud 2017. Pitaya peel as a TiO2 natural dye sensitizer with PEDOT:PSS membrane for photoelectrochemical water splitting. 6th International Conference on Fuel Cell & Hydrogen Technology 2017 (ICFCHT2017), 11- 13/04/2017, Putrajaya, Malaysia

**Year 2016:**

1. Wan Ramli Wan Daud. 2016. Islam and Technology Selection. International Seminar on Islam and Green Technology, 16 November 2016, International Institute of Advanced Islamic Studies, Kuala Lumpur, Malaysia
2. Ying Ying Ch`ng, Kee Shyuan Loh, Wan Ramli Wan Daud and Abu Bakar Mohamad 2016. Synthesis and characterization of sulfonated graphene oxide nanofiller for polymer electrolyte membrane. International Engineering Research and Innovation Symposium (IRIS), IOP Conference Series: Materials Science and Engineering, 24 – 25/11/2016, Melaka, Malaysia
3. R.E. Rosli, A.B. Sulong, W.R.W. Daud, M.A. Zulkifley, M.I. Rosli, E.H. Majlan & M.A. Haque 2016 Reactant control system for proton exchange membrane fuel cell, 4th International Conference on Process Engineering and Advanced Materials, 15 - 17/08/2016, Kuala Lumpur, Malaysia.
4. Li Ting Soo, Kee Shyuan Loh, Abu Bakar Mohamad, Wan Ramli Wan Daud & Wai Yin Wong 2016. ilver/nitrogen-doped reduced graphene oxide as an elec-trocatalyst for oxygen reduction in alkaline medium, Nanotech France 2016, 01- 03/06/2016, Paris, France..

**Year 2015:**

1. Rosli, R.E. Sulong, A.B., Daud, W.R.W., Zulkifley, M.A. Rosli, M.I., Haque. M.A. 2015. Overview of high temperature proton exchange membrane fuel cell system. The 5th International Conference on Fuel Cell and Hydrogen Technology 2015 (ICFCHT2015), 1-3 September 2015, Kuala Lumpur.
2. Jaafar, S.N.H., Minggu, L.J., Ariffin, K., Kasssim, M.B. and Daud, W. R.W. 2015. Pitaya peel as a TiO2 natural dye sensitizer with PEDOT:PSS membrane for photoelectrochemical water splitting. The 5th International Conference on Fuel Cell and Hydrogen Technology 2015 (ICFCHT2015), 1-3 September 2015, Kuala Lumpur.
3. Wafi, N.I.B., Daud, W.R.W., Majlan, E.H., Somalu, M.R. and Ahmad, A. 2015. Performance of a gel electrolyte of immobilized in Poly (2- hydroxyethyl methacrylate) for battery application. The 5th International Conference on Fuel Cell and Hydrogen Technology 2015 (ICFCHT2015), 1-3 September 2015, Kuala Lumpur.
4. Ahmad, H., Kamarudin, S.K., Minggu, L.J., Daud, W.R.W., Masdar, M.S. and Hasran U.A. 2015. Enhancing direct methanol fuel cell performance with TiO2 semiconductor as photocatalyst. The 5th International Conference on Fuel Cell and Hydrogen Technology 2015 (ICFCHT2015), 1-3 September 2015, Kuala Lumpur.
5. Satar, I., Ghasemi, M., Isahak, W.N.R.W., Daud, W.R.W. and Yarmo, M.A. 2015. Production of hydrogen by Entercobacter aerogenes in an immobilized cell reactor. The 5th International Conference on Fuel Cell and Hydrogen Technology 2015 (ICFCHT2015), 1-3 September 2015, Kuala Lumpur.
6. Ismail, A., Kamarudin, S.K. Daud, W.R.W. Masdar S. and Hasran, U.A. 2015. Conceptual design for a single cell of direct methanol fuel cell, The 5th International Conference on Fuel Cell and Hydrogen Technology 2015 (ICFCHT2015), 1-3 September 2015, Kuala Lumpur
7. Daud, W.R.W. 2015. Microbial fuel cells: a sustainable emerging fuel cell technology, Keynote Address, The 5th International Conference on Fuel Cell and Hydrogen Technology 2015 (ICFCHT2015), 1-3 September 2015, Kuala Lumpur.
8. Panuh, D., Masdar, M.S., Zainoodin, A.M., Kamarudin, S.K. and Daud, W.R.W. 2015. Fabrication and testing of a single cell and 6-cell stack: Performance and Stability of Passive Direct Methanol Fuel Cells (DMFCS). The 5th International Conference on Fuel Cell and Hydrogen Technology 2015 (ICFCHT2015), 1-3 September 2015, Kuala Lumpur
9. Lim, B.H., Majlan, E.H., Daud, W.R.W., Husaini, T. and Rosli, M.I. 2015. Numerical analysis of modified parallel flow field design for fuel cells. The 5th International Conference on Fuel Cell and Hydrogen Technology 2015 (ICFCHT2015), 1-3 September 2015, Kuala Lumpur
10. Lee, P.H., Loh, K.S., Daud, W.R.W. and Somalu, M.R. 2015. Sulfonated Polybenzimidazole (sPBI) based Membranes via a sol-gel process for Polymer Electrolyte Membrane Fuel Cell (PEMFC) Application. The 5th International Conference on Fuel Cell and Hydrogen Technology 2015 (ICFCHT2015), 1-3 September 2015, Kuala Lumpur
11. Talib, S.F.A, W Mohamed, W.A.N., Azmi, W.H., Mamat, A.M.I and Daud, W.R.W. 2015. Cooling performance model of a closed cathode PEM fuel cell system using water and SiO2 nanofluid coolants. The 5th International Conference on Fuel Cell and Hydrogen Technology 2015 (ICFCHT2015), 1-3 September 2015, Kuala Lumpur
12. Ghasemi, M., Ahmad, A. and Daud, W.R.W. 2015. Impact of microbial fuel cell for simultaneous treatment of cheese whey and energy production. The 5th International Conference on Fuel Cell and Hydrogen Technology 2015 (ICFCHT2015), 1-3 September 2015, Kuala Lumpur
13. Husaini, T., Asri, N. F., Sulong, A.B., Daud, W.R.W. and Majlan, E.H. 2015. Coating of metal bipolar plates for anticorrosion in PEMFC: A Review. The 5th International Conference on Fuel Cell and Hydrogen Technology 2015 (ICFCHT2015), 1-3 September 2015, Kuala Lumpur.
14. Toh, S.Y., Loh, K.S., Kamarudin, S.K. and Daud, W.R.W. 2015. Characterization of electrochemically reduced graphene oxides and their activity toward oxygen reduction reaction for fuel cell applications. The 5th International Conference on Fuel Cell and Hydrogen Technology 2015 (ICFCHT2015), 1-3 September 2015, Kuala Lumpur
15. Soo, L.T., Loh, K.S., Mohamad, A.B. and Daud, W.R.W. 2015. Synthesis of nitrogen-doped reduced grapheme oxide using various ratio of melamine and graphene. The 5th International Conference on Fuel Cell and Hydrogen Technology 2015 (ICFCHT2015), 1-3 September 2015, Kuala Lumpur.
16. Husaini, T., Asri, N. F., Sulong, A.B., Daud, W.R.W. and Majlan, E.H. 2015. Interfacial contact resistance for gold plated titanium and 316l stainless steel bipolar plate. The 5th International Conference on Fuel Cell and Hydrogen Technology 2015 (ICFCHT2015), 1-3 September 2015, Kuala Lumpur.

**Year 2014:**

1. Mostafa Ghasemi, Jamaliah MD Jahim and Wan Ramli Wan Daud 2014. Speek and ps/speek composite copolymer proton exchange membrane as the new separators for power generation and wastewater treatment in microbial fuel cell. Asia biohylinks (ABHL) Meeting: Asia Biohydrogen and Biorefinery (ABB) Symposium 2014, 16 - 18/12/2014, Malaka, Malaysia.
2. Shu-Hong Lim, Siek-Ting Yong, Chien-Wei Ooi, Siang-Piao Chai, Veena Doshi & Wan Ramli Wan Daud 2014. Pyrolysis of Palm waste for the application of direct carbon fuel cell The 6th International Conference on Applied Energy – ICAE2014, Energy Procedia 61:878 – 881.
3. Jaafar, S.N.H., Minggu, l.J., Kassim, M. & Daud, W.R.W. 2014. Improvement of photoelectrochemical water splitting with natural dye of Pitaya Peel. 3rd IET International Conference on Clean Energy and Technology 2014 (CEAT2014), 24-26 November 2014, Kuching, Sarawak, Malaysia, RS7.
4. Wong, W.Y. & Daud, W.R.W. 2014. Density functional theory study of oxygen reduction mechanism at nitrogen-doped carbon nanotubes for fuel cell applications. Proceedings of The 27th Symposium of Malaysian Chemical Engineers (SOMChE 2014) & 21st Regional Symposium on Chemical Engineering (RSCE 2014)SOMChE & RSCE 2014, 29-30 October 2014, Kuala Lumpur, Vol. 1, RAE058.
5. Majlan, E.H., Daud, W.R.W., Rohendi, D. & Loh, K.S. 2014. Temperature and Backpressure Effects on MEA Degradation in PEMFC, The 20th World Hydrogen Energy Conference 2014 (WHEC2014), 15-20 June 2014, Gwangju, Republic of South Korea.
6. Leong, J.X., Daud, W.R.W., Ahmad, A., Ghasemi, M. & Ismail, M. Graphene oxide/SPEEK composite membrane for better performance in microbial fuel cell. The 20th World Hydrogen Energy Conference 2014 (WHEC2014), 15-20 June 2014, Gwangju, Republic of South Korea.
7. Liew, K.B., Daud, W.R.W., Ghasemi, M. & Lim, S.S. 2014. Manganese oxide/functionalised carbon nanotubes nanocomposite as catalyst for oxygen reduction reaction in microbial fuel cell, The 20th World Hydrogen Energy Conference 2014 (WHEC2014), 15-20 June 2014, Gwangju, Republic of South Korea.
8. Wong, W.Y., Daud, W.R.W., Mohamad A.B. & Loh K.S. 2014. Effect of temperature on the oxygen reduction reaction at nitrogen-doped carbon nanotubes for fuel cell cathode, The 20th World Hydrogen Energy Conference 2014 (WHEC2014), 15-20 June 2014, Gwangju, Republic of South Korea.
9. Majlan, E.H., Rosli, R.E., Hamid, S.A.A., Rohendi, D., Daud, W.R.W. & Sahari J. 2014. Air-breathing pem fuel cell system for golf cart, European Hydrogen Energy Conference (EHEC-2014), 12- 14 March 2014, Seville, Spain, P-305.
10. Daud, W.R.W. 2014. Improvement of fuel cells’ cost and performance by application of nanotechnology: a review, European Hydrogen Energy Conference (EHEC-2014), 12- 14 March 2014, Seville, Spain, P-345.

**Year 2013:**

1. Arifin, K., Daud, W.R.W. & Kassim, M.B. 2013. Photoelectrochemical water splitting on titanium dioxide surface: a density functional theory study. The 4th International Conference on Fuel Cell and Hydrogen Technology (ICFCHT2013), 7-10 Oktober 2013, Jogjakarta, Indonesia.
2. Arifin, K., Kadir, H.A., Minggu, L.J., Daud, W.R.W. & Kassim, M.B. 2013. TiO2 doped with Fe2O3 for photoelectrochemical water splitting electrode: experimental and density functional theory study. The 4th International Conference on Fuel Cell and Hydrogen Technology (ICFCHT2013), 7-10 Oktober 2013, Jogjakarta, Indonesia.
3. Rohendi,D., Daud, W.R.W., Kamarudin, S.K., Mohamad, A.B., Kadhum, A.A.H., Loh, K.S. & Majlan, E.H. 2013. Effects of temperature and backpressure on the performance degradation of MEA in PEMFC. The 4th International Conference on Fuel Cell and Hydrogen Technology (ICFCHT2013), 7-10 Oktober 2013, Jogjakarta, Indonesia.
4. Thiam, H.S., Daud, W.R.W., Kamarudin, S.K., Mohamad, A.B., Kadhum, A.A.H., Loh, K.S. & Majlan, E.H. 2013. Molecular dynamics simulation of proton and methanol diffusion in nafion-based composite membrane. The 4th International Conference on Fuel Cell and Hydrogen Technology (ICFCHT2013), 7-10 Oktober 2013, Jogjakarta, Indonesia.
5. Kamaruddin, M.Z.F., Kamarudin, S.K., Daud, W.R.W. & Masdar, M.S. 2013. Computational fluid dynamics of passive direct methanol fuel cell. The 4th International Conference on Fuel Cell and Hydrogen Technology (ICFCHT2013), 7-10 Oktober 2013, Jogjakarta, Indonesia.
6. Thiam, H.S., Daud, W.R.W.,  Kamarudin, S.K.,  Mohamad, A.B.,  Kadhum, A.A.H.,  Loh, K.S. &  Majlan E.H. 2013. Optimizing the preparation of composite membrane for DMFC using Taguchi method, The 4th International Conference on Fuel Cell and Hydrogen Technology (ICFCHT2013), 7-10 Oktober 2013, Jogjakarta, Indonesia.
7. Ismail, A., Kamarudin, S.K., Daud, W.R.W., Masdar, M.S., & Hasran, U.A. 2013. Synthesis of cell network for various type of direct methanol fuel cell, 6th International Conference Process System Engineering.
8. Nasharudin, M.N., Kamarudin, S.K., Hasran, U.A., Masdar, S. & Daud, W.R.W. 2013. Development of conceptual design model for membraneless microfluidic methanol fuel cell. The 4th International Conference on Fuel Cell and Hydrogen Technology (ICFCHT2013), 7-10 Oktober 2013, Jogjakarta, Indonesia.
9. Hassan, M.A., Kamarudin, S.K., Daud, W.R.W. & Loh K.S. 2013. Graphene Oxide/Polypyrole composite as methanol sensor in DMFC. The 4th International Conference on Fuel Cell and Hydrogen Technology 2013 (ICFCHT2013), 7-10 Oktober 2013, Jogjakarta, Indonesia.
10. Toh, S.Y., Loh, K.S., Daud, W.R.W. & Kamarudin S.K. 2013. Review on transition metal-doped graphene composites for electrocatalyst in fuel cells. The 4th International Conference on Fuel Cell and Hydrogen Technology (ICFCHT2013), 7-10 Oktober 2013, Jogjakarta, Indonesia.

**Year 2012:**

1. Rosli, R.E. , Majlan, E.H., Wan Daud, W.R., Hamid, S.A.A. 2012. Hydrogen rate manipulation of proton exchange membrane fuel cell (PEMFC) stack using feedback control system. IEEE International Conference on Power and Energy (PECon 2012), 2 - 5 December 2012, Kota Kinabalu, Malaysia.
2. Thiam Hui San Wan Ramli Wan Daud, Abu Bakar Bin Mohamad, Abdul Amir Hassan Kadhum, Siti Kartom Kamarudin, Loh Kee Shyuan & Edy Herianto 2012. Annealing effect of Nafion-based nanofiber composite membrane on proton conductivity and methanol diffusion, 19th World Hydrogen Energy Conference 2012 (WHEC 2012)
3. Thiam Hui San, Wan Ramli Wan Daud, Abu Bakar Bin Mohamad, Abdul Amir Hassan Kadhum, Siti Kartom Kamarudin, Loh Kee Shyuan & Edy Herianto 2012. Palladium-silica nanofiber modified Nafion composite membrane for DMFC application, The 3rd ISESCO International Workshop and Conference on Nanotechnology 2012 (IWCN 2012)
4. A.M.Zainoodin, S.K.Kamarudin & W.R.W.Daud 2012. Passive Direct Methanol Fuel Cell with Carbon-nanofiber Supported Electrode, The 3rd ISESCO International Workshop and Conference on Nanotechnology 2012 (IWCN 2012)
5. U.A. Hasran, S.K. Kamarudin, W.R.W. Daud, B.Y. Majlis, A.B. Mohamad & A.A.H. Kadhum. 2012. Alternative Energy : Direct Methanol Fuel Cell in Focus, International Conference on Engineering and Built Environment (ICEBE 2012)
6. F.A. Halim, U.A. Hasran, M.S. Masdar, S.K. Kamarudin & W.R.W. Daud 2012. Overview on Vapor Feed Direct Methanol Fuel Cell APCBEE Procedia
7. N.M. Aslam, M.S. Masdar, S.K.Kamarudin & W.R.W.Daud.2012. Overview on Direct Formic Acid (DFAFCs) as an Energy APCBEE Procedia
8. Azlina Ismail, Siti Kartom Kamarudin, Wan Ramli W. Daud & Mohd Shahbudin Masdar. 2012. Development of Conceptual Design Model of Direct Methanol Fuel Cell for a Portable Application. Chemical Engineering Transactions.

**Year 2011:**

1. Abu Bakar Mohamad, Abdul Amir Hassan Kadhum, AY Musa, Soraya Hosseini & Wan Ramli Wan Daud. 2011. Over-potentials analysis in solid acid fuel cell using CsH2PO4 as anhydrous membran,. Proceeding of of International Conference on Chemical Engineering and Advanced Materials, May 28-30, Changsha, China.
2. Asma M. Husin Milad, Mohammad B. Kassim & Wan Ramli Wan Daud. 2011. Fabrication of carbon doped TiO2 nanotube via in-situ anodization of Ti foil in phosphoric acid/NaF electrolyte, Proceeding of WASET 2011 Winter International Conference.
3. Dariush Jaafar Khadem, Zahira Yaakob, Samaneh Shahgaldi & Wan Ramli Wan Daud. 2011. Investigation of phase transformation and structure evolution of electrospun copper oxide nanofibers during thermal annealing, Proceeding of 1st International Conference on Mechanical Engineering (ICME 2011), 3 – 4 April 2011, Phuket, Thailand.
4. Dedikarni, Andanastuti Muchtar, Norhamidi Muhamad & Wan Ramli Wan Daud. 2011. Microstructure characterisation of Ag2O3-Bi2O3 composite cathodes for intermediate temperature solid oxide fuel cells (IT-SOFC), Proceeding of Eighth International Conference on Composite Science and Technology, 22-24 March 2011, Malaysia.
5. Jarot Raharjo, Muchtar, A., Daud, W.R.W., Muhamad, N. & Majlan, E.H. 2011. Porous NiO-SDC carbonates composite anode for LT-SOFC applications produced by pressureless sintering. Proceeding of 1st International Conference on Mechanical Engineering (ICME 2011), 3 – 4 April 2011. Phuket, Thailand.
6. Jarot Raharjo, Muchtar, A., Daud, W.R.W., Muhamad, N. & Majlan, E.H. 2011 Fabrication of Porous LSCF-SDC Carbonates Composite Cathode for Solid Oxide Fuel Cell (SOFC) Applications. Proceeding of Eighth International Conference on Composite Science and Technology, 22-24 March 2011, Malaysia
7. Lukman Hakim, Zahira Yaakob, Manal Ismail & Wan Ramli Wan Daud. 2011. Effect of nickel composition & preparation method for production of hydrogen via glycerol steam reforming, Proceeding of Eighth International Conference on Composite Science and Technology, 22-24 March 2011.
8. Rachid Chebbi, W. Ramli. W. Daud, Abu Bakar Mohamad & Abdul Amir H. Kadhum. 2011. Review of parameters affecting performance of (Pt/C) electrode for proton exchange membrane fuel cells (PEMFCs). Proceeding of 2011 International Conference on Chemical Engineering and Advanced Materials, May 28-30, 2011, Changsha, China
9. Samaneh Shahgaldi, Zahira Yaakob, Norazrina Mat Jali, Wan Ramli Wan Daud & Edy Harianto Majlan. 2011. Influence of Iron Oxide Nanoparticles on Electrospun Poly(vinylide Fluoride)-based carbon nanofibers on Hydrogen Storage. Proceeding of 1st International Conference on Mechanical Engineering (ICME 2011), 3 – 4 April 2011, Phuket, Thailand.
10. Samaneh Shahgaldi, Zahira Yaakob, Dariush Jaafar & Wan Ramli Wan Daud. 2011. Doping of Palladium in Silica Nanofibers via electrospinning and sol gel synthesize as hydrogen storage material, Proceeding of 1st International Conference on Mechanical Engineering (ICME 2011), 3 – 4 April 2011. Phuket, Thailand.
11. Wong Wai Yin, Wan Ramli Wan Daud, Abu Bakar Mohamad, Abdul Amir Hassan Kadhum, Loh Kee Shyuan & Edy Herianto Majlan . 2011. Density-functional theory of O2physical adsorption on sp 3and sp3 hybridized nitrogen-doped CNT surfaces for fuel cell electrode. Proceeding of International Conference on Chemical Engineering and Advanced Materials, May 28-30, 2011, Changsha, China
12. Asma M. Husin Milad, Wan Ramli Wan Daud, Lorna Jeffery Minggu, Mohammad B. Kassim, Akrajas Ali & Mohammad Hafizuddin Haji Jumali. 2011. Microstructural & Photochemical Properties of GaP-TiO2 Nanotubes, Proceeding of The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), ), 22 - 23 November 2011, Intercontinental Hotel, Kuala Lumpur, Malaysia.
13. Asma M. Husin Milad, Mohammad B. Kassim & Wan Ramli Wan Daud. 2011. Fabrication of Carbon Doped TiO2 Nanotubes via in-situ Anodization of Ti foil in Phosphoric Acid/NaF Electrolyte. Proceeding of The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), ), 22 - 23 November 2011, Intercontinental Hotel, Kuala Lumpur, Malaysia.
14. Dedi Rohendi, Edy Herianto Majlan, Abu Bakar Mohamad, Wan Ramli Wan Daud, Abdul Amir Hassan Kadhum & Loh Kee Shyuan. 2011. Characterization of electrodes and mea performance test with varies platinum content. Proceeding of The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), ), 22 - 23 November 2011, Intercontinental Hotel, Kuala Lumpur, Malaysia.
15. Edy Herianto Majlan, Dedi Rohendi, Abu Bakar Mohamad, Wan Ramli Wan Daud, Abdul Amir Hassan Kadhum & Loh Kee Shyuan. 2011. Effect of PTFE content and sintering temperature on the properties of backing layer. Proceeding of The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), ), 22 - 23 November 2011, Intercontinental Hotel, Kuala Lumpur, Malaysia.
16. Erni misran, Nik Suhaimi Mat Hasan, W.R.W. Daud & E.H. Majlan. 2011. Electrochemical properties of a single serpentine PEMFC with saturated hydrogen and dry air. Proceeding of The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), ), 22 - 23 November 2011, Intercontinental Hotel, Kuala Lumpur, Malaysia.
17. Jarot Raharjo, A. Muchtar, W.R.W. Daud, N. Muhamad & E.H. Majlan. The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), ), 22 - 23 NOVEMBER 2011, INTERCONTINENTAL HOTEL, KUALA LUMPUR, MALAYSIA. 2011. La0.6 Sr0.4Co0.2Fe0.8O3- based cathodes for SDC-carbonate composite electrolyte. Proceeding of The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), ), 22 - 23 November 2011, Intercontinental Hotel, Kuala Lumpur, Malaysia.
18. Khuzaimah Arifin, Wan Ramli Wan Daud & Mohammad B. Kassim. 2011.A Novel Heterobinuclear Complex based on Ruthenium-tungsten Metals in Artificial Photosynthesis Technology. Proceeding of The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), ), 22 - 23 November 2011, Intercontinental Hotel, Kuala Lumpur, Malaysia.
19. Loh, K.S., Wong, W.Y., Daud, W.R.W., Muhamad, A.B., Khadum, A.A.H. & Majlan, E.H. 2011 Nitrogen-doped carbon and its composites as electrocatalysts for fuel cell application: Review. Proceeding of The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), ), 22 - 23 November 2011, Intercontinental Hotel, Kuala Lumpur, Malaysia.
20. Loh Kee Shyuan, Wong Wai Yin, Wan Ramli Wan Daud, Abu Bakar Mohamad, Abdul Amir Hassan Kadhum & Edy Herianto Majlan. 2011. Synthesis of electrochemically active nitrogen doped carbon nanotubes from iron(II) phthalocyanine. Proceeding of The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), ), 22 - 23 November 2011, Intercontinental Hotel, Kuala Lumpur, Malaysia.
21. Lim Swee Su, Chong Poh She, Jamaliah Md Jahim & Wan Ramli Wan Daud. 2011. Biofouling effect on sulfonated poly(ether ether ketone)/poly(ether sulfone) composite membrane in microbial fuel cell, Proceeding of The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), ), 22 - 23 November 2011, Intercontinental Hotel, Kuala Lumpur, Malaysia.
22. Hakim, L., Yaakob, Z., Ismail, M. & Daud, W.R.W. 2011. Hydrogen production by steam reforming of glycerol over Ni/Ce/Cu hydroxyapatite supported catalysts. Proceeding of The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), ), 22 - 23 November 2011, Intercontinental Hotel, Kuala Lumpur, Malaysia.
23. Manal Ismail, Mostafa Gasemi, Wan Ramli Wan Daud, Lee Yoke Heng & Siti Kartom Kamarudin. 2011. Copper-phthalocyanine and nickel nanoparticles as novel cathode catalyst in microbial fuel cells. Proceeding of The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), 22 - 23 November 2011, InterContinental Hotel, Kuala Lumpur, Malaysia..
24. Mulyazmi, W.R.W. Daud & E.H. Majlan. 2011. Simulation of water balance in PEM fuel cell system that uses external humidifier. Proceeding of The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), 22 - 23 November 2011, InterContinental Hotel, Kuala Lumpur, Malaysia.
25. Mojgan Ahmadrezaei, Muchtar, A., Daud, W.R.W., Muhamad, N. & Tan E.Y.. 2011. Characteristic and electrochemical performance of Ba0.2Sr0.8Co0.8Fe0.2O3- Cathode materials for intermediate temperature solid oxide fuel cells. Proceeding of The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), 22 - 23 November 2011, InterContinental Hotel, Kuala Lumpur, Malaysia.
26. Norazrina Mat Jali, Yaakob, Z., Samaneh, S. & Daud. W.R.W. 2011. Syntheses and characterization of nickel oxide and iron oxide doped carbon nanofibers via electrospun PVDF nanofibers. Proceeding of The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), 22 - 23 November 2011, InterContinental Hotel, Kuala Lumpur, Malaysia.
27. Syafawati Ahmad Kamal, Jamaliah Md Jahim, Nurina Anuar, Osman Hassan, Wan Ramli Wan Daud, & Shah Samiur Rashid. 2011. Effect of total carbohydrate concentration on hydrogen production from palm oil mill effluent (POME). Proceeding of The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), 22 - 23 November 2011, InterContinental Hotel, Kuala Lumpur, Malaysia
28. Siti Rahmah Mokhtaruddin, Abu Bakar Mohamad, Abdul Amir Hassan Kadhum, Loh Kee Shyuan, Mahreni Akhmad & Wan Ramli Wan Daud. 2011. Thermal stability of nafion membrane and nafion-ZrO2 composite membrane. Proceeding of The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011) , 22 - 23 November 2011, InterContinental Hotel, Kuala Lumpur, Malaysia.
29. Samaneh, S., Yaakob, Z., Khadem, D.J. & Daud. W.R.W. 2011. Palladium-doped titania nanofibers for hydrogen storage. Proceeding of The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), 22 - 23 November 2011, InterContinental Hotel, Kuala Lumpur, Malaysia.
30. Thiam Hui San, Wan Ramli Wan Daud, Siti Kartom Kamarudin, Abu Bakar Mohamad, Abdul Amir Hassan Kadhum, Loh Kee Shyuan & Edy Herianto Majlan. 2011 Nafion/Pd-SiO2 nanofibers composite membrane with improved selectivity for DMFC application. Proceeding of The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), 22 - 23 November 2011, InterContinental Hotel, Kuala Lumpur, Malaysia.
31. U.A. Hasran, S.K. Kamarudin, W.R.W. Daud, B.Y. Majlis, A.B. Mohamad & A.A.H. Khadum. 2011. Optimization of the membrane electrode assembly (MEA) fabrication factors by design of experiment (DOE) method. Proceeding of The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), 22 - 23 November 2011, InterContinental Hotel, Kuala Lumpur, Malaysia.
32. Wong Wai Yin, Wan Ramli Wan Daud, Abu Bakar Mohamad, Abdul Amir Hassan Kadhum, Loh Kee Shyuan & Edy Herianto Majlan. 2011. Nitrogen-doped carbon and its composites as electrocatalysts for fuel cell applications: Review. Proceeding of The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), 22 - 23 November 2011, InterContinental Hotel, Kuala Lumpur, Malaysia.
33. W.R.W. Daud, Mostafa Gasem, Nader. M, Manal Ismail, S.K. Kamarudin & Ghasem. N. 2011 The effect of nitric acid, ethylenediamine, and dietthanolamine modified polyaniline nanoparticle anode electrode in a microbial fuel cell system. Proceeding of The 3rd International Conference on Fuel Cell & Hydrogen Technology (ICFCHT 2011), 22 - 23 November 2011, InterContinental Hotel, Kuala Lumpur, Malaysia.
34. Daud, W.R.W., Ghasemi, M., Chong, P.S., Jahim, J. Md., Lim, S.S. & Ismail, M. 2011. SPEEK/PES composite membranes as an alternative for proton exchange membrane in microbial fuel cell (MFC). 2011 IEEE 1st Conference on Clean Energy and Technology, CET 2011, 2011, Article number 6041505, Pages 400-40.
35. Wan Ramli Wan Daud. Lorna Jeffery Minggu & Mohammad B. Kassim 2011. Solar hydrogen production from direct photoelectrochemical cells (PEC) water splitting. Proc. 4th World Hydrogen Technologies Convention, 2011, Glasgow, U.K., Paper ID: 0136.
36. Mohammad Hafizuddin Haji Jumali, Asma M. Husin Milad, Wan Ramli Wan Daud, Lorna Jeffery Minggu, Akrajas Ali Umar & Mohammd B. Kassim. 2011. Enchancement of TiO2 Nanotubes Photoactivity by Inclusion of GaP Nanoparticles. The International Conference for Nanomaterials Synthesis and Characterization 2011(INSC 2011). 4-5 July 2011, Seri Kembangan, Malaysia, ms. 91/ P52-022.
37. Asma M. Husin Milad, Aisha A. Al-abbasi, Mohammad B. Kassim & Wan Ramli Wan Daud. 2011. Fabrication and Photoactivity Study of Titania Nanotube with Oxovanadium(IV) Complex in a Photoelectrochemical Cell with an Aqueous Electrolyte. First EuCheMS Inorganic Chemistry Conference.2011. 11-14 April 2011, Manchester, United Kingdom, EP\_P07.
38. Wong Wai Yin, Wan Ramli Wan Daud, Abu Bakar Mohamad, Abdul Amir Hassan Kadhum, Edy Herianto Majlan & Loh Kee Shyuan. 2011. Direct Synthesis of Nitrogen-containing Carbon Nanotubes on Carbon Paper for Fuel Cell Electrode, 2nd ASEAN-APCTP Workshop On Advanced Materials Science & Nanotechnology, 21-23 December 2010. Flamingo Hotel Penang. (accepted for publication under AIP conference proceeding - pg no. unknown)

**Year 2010:**

1. Daud, W.R.W.. 2010. Hydrogen fuel cells: the ultimate clean energy technology. Keynote Paper. Proc. The 17th Regional Symposium of Chemical Engineers (RSCE2010), 22-23 November 2010, Bangkok, Thailand, p. 49-56.
2. Woo, M.W., Che, L.M., Daud, W.R.W., Mujumdar, A.S. & Chen X.D. 2010. Particle deposition criterion in cfd modelling of spray dryers, Proc. The 17th International Drying Symposium (IDS 2010), 3-6 October 2010, Magdeburg, Germany, p. 172-178.
3. Milad, A.M.H., Kassim, M. & Daud, W.R.W. Fabrication of Carbon Doped TiO2 Nanotube by 'In-situ' Anodic Oxidation Technique, 2nd International Conference on the Advancement of Materials and Nanotechnology (II-ICAMN) , 29 Nov.- 1 Dec, 2010. Prince Hotel and Residence, Kuala Lumpur.
4. Basri, S., Kamarudin, S.K.. 2010. Nanocatalyst Development for Direct Methanol Fuel Cell (DMFC). International Conference on the Advancement of Materials and Nanotechnology” (ICAMN II 2010), 29 November – 1 Disember 2010, Prince Hotel & Residence Kuala Lumpur, Malaysia.
5. Basri, S., Kamarudin, S.K.. 2010.Study on Multi Walled Carbon Nanotube (MWCNT) Preparation for Platinum Metal Based Nanocatalyst. 2nd ASEAN-APCTP Workshop on Advanced Materials Science and Nanotechnology(AMSN-2010), 21st- 23rd December 2010, Flamingo Hotel, Penang.
6. Thiam, H.S., Daud, W.R.W., Mohamad, A.B., Kadhum, A.A.H., Kamarudin, S.K., Loh, K.S. & Majlan, E.H.. 2010. Synthesis of Palladium-doped Silica Nanofibers by Sol-gel Reaction and Electrospinning Process.'2nd ASEAN-APCTP Workshop on Advanced Materials Science and Nanotechnology(AMSN-2010), 21st- 23rd December 2010, Flamingo Hotel, Penang.
7. Kassim, M., Arifin, K. & Daud, W.R.W. 2010. Modelling of Tris(ditheolenes) Complex Energies and Structures as a Sensitizer In Photoelectrochemical CellThe 5th Asian Conference on Electrochemical Power Sources (ACEPS 2010), 17-20 September 2010, National University of Singapore.
8. Basri, S., Kamarudin, S.K., Daud, W.R.W. & Yaakob, Z.. 2010. DFT Analysis for Nanocatalyst Direct Methanol Fuel Cell. The 5th Asian Conference on Electrochemical Power Sources (ACEPS 2010), 17-20 September 2010, National University of Singapore.
9. Kadir, H.A., Kassim, M., Daud, W.R.W. & Minggu, L.J.. 2010. Review: NanoStructured TiO2 Thin Fims as Photoelectrode for Photoelectrochemical Cell . 5th Asian Conferences on Electrochemical Power Sources, 17-20 September 2010, National University of Singapore.
10. Kadir, H.A., Kassim, M., Daud, W.R.W. & Minggu, L.J.. 2010. Characterization of Iron Oxide doped Ga for photoelectrochemical water splitting.16th Malaysian Chemical Conference, 12-14 October 2010, PWTC, K.L
11. Hakim, L., Yaakob, Z., Ismail, M., Daud, W.R.W.. 2010. Nickel-Hydroxyapatite as Biomaterial Catalysts for Hydrogen Production via Glycerol Steam Reforming. International Conference on Precision Engineering (ICoPE2010 & 13th ICPE), Singapore, 29-30 July 2010
12. Sari, R., Yaakob, Z., Ismail, M. & Daud, W.R.W. 2010. Thin film of palladium on alumina ceramic membrane tube: Effect of combined sol-gel process with electroless plating on deposits morphology. International Conference on Precision Engineering (ICoPE2010 & 13th ICPE), Singapore, 29-30 July 2010.
13. Mulyazmi, Daud, W.R.W. & Majlan, E.H. 2010. Design Models of Polymer Electrolyte Membrane Fuel Cell System. International Conference on Precision Engineering (ICoPE2010 & 13th ICPE), Singapore, 29-30 July 2010..
14. Misran, E., Daud, W.R.W. & Majlan, E.H. 2010. Review of seperpentine flow field design for PEM fuel cell system. International Conference on Precision Engineering (ICoPE2010 & 13th ICPE), Singapore, 29-30 July 2010..
15. Kurniawan, M., Daud, W.R.W. & Majlan, E.H. 2010. study effect of stress in electrical contact resistance of bipolar plate and membrane electrode assembly in proton exchange fuel cxell: A review. International Conference on Precision Engineering (ICoPE2010 & 13th ICPE), Singapore, 29-30 July 2010.:
16. Raharjo, J., Muchtar, A., Daud, W.R.W., Muhammad, N. & Majlan, E.H. 2010. Fabrication of dense composite ceramic electrolyte SDC-(Li.Na)2CO3. International Conference on Precision Engineering (ICoPE2010 & 13th ICPE), Singapore, 29-30 July 2010.
17. Shahgaldi, S., Yaakob, Z.,Ghasemi, M. , Daud, W.R.W., Khadem, D.J., 2010, Investigation of the Effect of Electrospun Poly Ether Sulfone Nanofibers in Membrane .DSL 2010 July 5-7. Publishing in defect and diffusion journals. France
18. Dedikarni., Muchtar, A.., Muhamad, N.., Daud, W.R.W.., 2010. Electrophoretic deposition and thermal treatment of bismuth oxide thin film on Ag2O3-Bi2O3 composite cathode. International Conference on Process Engineering and Advanced Materials 2010 & 24th Symposium of Maaysian Chemical Engineers (ICPEAM2010 & SOMChe 2010). Malaysia 15-17 Jun 2010.
19. Misran, E., Daud, W.R.W., Majlan, E.H.. 2010. Review: Channel Dimension, Shape and Configuration of Serpentine Design for PEMFC Operation. 1st International Conference on Process Engineering and Advanced Materials / 24th Symposium of Malaysian Chemical Engineers (ICPEAM/SOMChE), KLCC, 15-17 June 2010
20. Mulyazmi, Daud, W.R.W., Majlan, E.H.. Water Management with External Humidifier for Performance PEMFC system : a Review. International Conference on Precision Engineering and Advance Material Material (ICPEAM) & 24TH SOMCHE 2010. ISBN 978-983-2271-03-1, pp.76. Malaysia,15-17 Jun 2010.
21. Shahgaldi, S., Yaakob, Z., Daud, W.R.W. , Khadem, D.J. . 2010, ISESCO International conference and workshop on Nanotechnology (IWCN 2010), p31, Investigation of hydrogen storage on electrospun nanofibers with different polymer. 25-27 jan 2010. Malaysia.

**Year 2009:**

1. Arifin, K., Minggu, L.J., Daud, W.R.W., Bohari, M.Y. & Kassim, M. 2009. Structural geometry and electronic properties of Tris{1,2-Bis(3,5-dimethoxylphenyl)-1,2-ethylenodithiolenic-S,S’}tungsten. The Fourth Asian Pacific Conference of Theoretical and Computational Chemistry (APCTCC-4), 21-23 December 2009, Port Dickson, Malaysia.
2. Eftekhari, E., Minggu, L.J., Daud, W.R.W. & Kassim, M. 2009. Review of WO3 thin film preparation for photoelectrochemical water splitting. International Advanced Technology Conmgress (ATCi), 3-5 Novemnber 2009, Kuala Lumpur, Malaysia.
3. Talebi, M., Minggu, L.J., Daud, W.R.W. & Kassim, M. 2009. Synthesis and characterization of photoelectrode based on TiO2 and mixture with Fe2O3 and SiO2. International Advanced Technology Conmgress (ATCi), 3-5 Novemnber 2009, Kuala Lumpur, Malaysia.
4. Memar, A., Minggu, L.J., Daud, W.R.W. & Kassim, M. 2009. Review of iron oxide for photoelectrode application in water splitting. International Advanced Technology Conmgress (ATCi), 3-5 Novemnber 2009, Kuala Lumpur, Malaysia.
5. Arifin, K., Minggu, L.J., Daik, R., Daud, W.R.W. & Kassim, M. 2009. Tris(dithiolene) tunstate as dye sensitizers for photocatalytic applications. International Conference on Science & Technology. 24 January 2009, Yogyakarta, Indonesia
6. Daud, W.R.W. 2009. Recent Fuel Cell R&D in Malaysia. Proceedings of The 2nd International Conference on Fuel; Cell and Hydrogen Technology, 28 -29 October 2009, Center of Material Technology, Agency for the Assessment and Application of Technology, Jakarta, Indonesia.
7. Misran, E., Daud, W.R.W. & Majlan, E.H.. 2009. Water management strategies for PEM fuel cell system operation: A review. Proceeding The 2nd International Conference on Fuel; Cell and Hydrogen Technology, 28 -29 October 2009, Center of Material Technology, Agency for the Assessment and Application of Technology (BPPT), Jakarta, Indonesia.
8. Mulyazmi, Daud, W.R.W. & Majlan, E.H.. 2009. Operating conditions for thr concept design of PEM fuel cell system. Proceeding The 2nd International Conference on Fuel; Cell and Hydrogen Technology, 28 -29 October 2009, Center of Material Technology, Agency for the Assessment and Application of Technology (BPPT), Jakarta, Indonesia.
9. Hakim, L., Yaakob, Z., Ismail, M., Daud, W.R.W. & Kazemian, H. 2009. Hydrogen production from glycerol by steam reforming over nickel catalyst supported by hydroxyapatite. Proceeding The 2nd International Conference on Fuel; Cell and Hydrogen Technology, 28 -29 October 2009, Center of Material Technology, Agency for the Assessment and Application of Technology (BPPT), Jakarta, Indonesia.
10. Sari, R., Yaakob, Z., Ismail, M., Daud, W.R.W. & Kazemian, H. 2009. Hydrogen permeation of palladium coating film on alumina membrane ceramic tube. Proceeding The 2nd International Conference on Fuel; Cell and Hydrogen Technology, 28 -29 October 2009, Center of Material Technology, Agency for the Assessment and Application of Technology (BPPT), Jakarta, Indonesia.
11. Raharjo, J., Daud, W.R.W., Muhamad, N., Muchtar, A. & Majlan, E.H.. 2009. Microstructure characteristics of SDC-carbonate composite electrolyte produced by solgel for LT-SOFC application. Proceeding of the International Conference on Fuel Cell and Hydrogen Technology. The Agency for Assessment and Application of Technology (BPPT). 28-29 Oktober 2009. Jakarta, Indonesia.
12. Dedikarni, Muchtar, A., Muhamad, N., & Daud, W.R.W.. 2009. Microstructure and characterisation of δ- Bi2O3 Thin film electrolyte on electrodes by electrophoretic deposition method. Proceeding of the Regional Engineering Postgraduate Conference. 20-21 oktober 2009. Palm Garden Hotel, Putrajaya.
13. Raharjo, J., Daud, W.R.W., Muhamad, N., Muchtar, A. & Majlan, E.H.. 2009. The influence of carbonate content to the characteristics of SDC-carbonate composite electrolytes for low temperature solid oxide fuel cells. Proceeding of the Regional Engineering Postgraduate Conference. 20-21 Oktober 2009. Palm Garden Hotel. Putrajaya.
14. Sastaviana, N., Muchtar, A., Daud, W.R.W. & Muhamad, N.. 2009. Synthesis and microstructure characterisation of NiO-SDC composite powders. Proceeding of the Regional Engineering Postgraduate Conference. 20-21 Oktober 2009. Palm Garden Hotel. Putrajaya.
15. Muchtar, A., Hamid, N.A., Muhamad, N. & Daud, W.R.W. 2009. Development La1-xSrxCo0.8Fe0.8O3 (LSCF) cathodes for intermediate temperature solid oxide fuel cells (IT-SOFCs). International Conference on Natural and Mineral Sciences (NAMES09). 3-4 Julai 2009. Kalimantan Selatan, Indonesia.
16. Muchtar, A., Raharjo, J., Muhamad, N., Majlan, E.H. & Daud, W.R.W.. 2009. Characterisation of SDC-carbonate composite electrolyte for low temperature solid oxide fuel cell. Proceeding of the International Conference on Sustainable Energy. ISBN 978-979-19992-0-5. 16-17 Jun 2009. Bandung Institute of Technology. Bandung. Indonesia.
17. Raharjo, J., Muchtar, A., Muhamad, N., Daud, W.R.W. & Majlan, E.H.. 2009. Microstructure characterisation of SDC-carbonate composite electrolytes produced by solid state method. Proceedings of 4th International Conference on Recent Advances in Materials, Minerals Environment and 2nd Asian Symposium on Material and Processing. ISBN 978-983-3986-57-6. 1-3 Jun 2009. Penang. Malaysia.
18. Dedikarni, Muchtar, A., Muhamad, N. & Daud, W.R.W.. 2009. δ-Bi2O3 thin film coating on gilded gold substrate by Electrophoretic Deposition Method (EPD). Proceeding of the 4th International Conference on Recent Advances in Materials, Minerals and Environment and 2nd Asian Symposium on Material and Processing (RAMM & ASMP 2009). ISBN 978-983-3986-56-9. 1-3 Jun 2009. Penang, Malaysia.
19. Sastaviana, N., Muchtar, A., Daud, W.R.W. & Muhamad, N.. 2009. Material development in intermediate temperature solid oxide fuel cells (IT-SOFC): Review. Proceeding of the 4th International Conference on Recent Advances in Materials, Minerals and Environment and 2nd Asian Symposium on Material and Processing (RAMM & ASMP 2009). ISBN 978-983-3986-56-9. 1-3 Jun 2009. Penang, Malaysia.
20. Majlan, E.H. & Daud, W.R.W. 2009. Teknologi Fuel Cell: Harapan dalam Menyongsong Krisis Energi Gllobal. Prosiding Seminar Nasional Teknik Kimia 2009. Departemen Teknik Kimia USU. 14 Ogos 2009, Medan, Indonesia.
21. Misran, E., Daud, W.R.W. & Majlan, E.H.. 2009. Review pengoperasian PEM fuel cell tanpa susbsistem pelembapan eksternal. Prosiding Seminar Nasional Teknik Kimia 2009. Departemen Teknik Kimia USU. 14 Ogos 2009, Medan, Indonesia.
22. Majlan, E.H., Daud, W.R.W., Sunny E. Iyuke, Mohamad, A.B., Kadhum, A.A.H., Mohammad, A.W., Takriff, M.S. & Nurhaswani Bahaman. 2009. Adsorption of carbon monoxide using a compact pressure swing adsorption system for hydrogen purification. The International Workshop on Advanced Material for New and Renewable Energy, 9-12 Jun 2009, Jakarta, Indonesia.
23. Lim, S.S., Daud, W.R.W., Md Jahim, J., Ismail, M., Kamarudin, S.K. & Shari, S.N.. 2009. Electricity generation in microbial fuel cell by local isolate of Clostridium butyricum from palm oil mill effluent. 2nd Microbial Fuel Cell Symposium, 10 – 12 June 2009. Gwangju, Korea.
24. Basri, S., Kamarudin, S.K., Daud, W.R.W. 2009. Design and Optimization Of Direct Methanol Fuel Cell (DMFC). The 12th Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction (PRES09), 10-13 May 2009, Rome, Italy, Paper P\6.
25. M.F.M. Nordin, Daud, W.R.W., Y. Gariépy, Talib, M.Z.M. & G.S.V. Raghavan 2009. Combined microwave and vacuum drying of red pitaya slices. Proceedings of the 6th Asia-Pacific Drying Conference, (ADC2009), October 19-21, 2009, Bangkok, Thailand, pp. 288-294.
26. Chong, C.H., Law, C.L., Daud, W.R.W., Abdullah, L.C. 2009. Drying kinetics and product quality of artocarpus integer in hybrid dehumidifier-dryer. Proceedings of the 6th Asia-Pacific Drying Conference, (ADC2009), October 19-21, 2009, Bangkok, Thailand, pp. 420-429.
27. Woo, M.W., Daud, W.R.W., Mujumdar, A.S., Wu, Z., Talib, M.Z.M., Tasirin, S.M.. 2009. Flow stability in short form spray dryers. Proceedings of the 6th Asia-Pacific Drying Conference, (ADC2009), October 19-21, 2009, Bangkok, Thailand, pp. 614-623.
28. Puspasari, I., Talib, M.Z.M., Daud, W.R.W. & Tasirin, S.M. 2009. Mathematical modeling of convective drying kinetics of oil palm fronds. Proceedings of the 6th Asia-Pacific Drying Conference, (ADC2009), October 19-21, 2009, Bangkok, Thailand, pp. 704-711..
29. Woo, M.W., Daud, W.R.W., Mujumdar, A.S., Tasirin, S.M. & Talib, M.Z.M. 2009. Rheology Characteristics as a Criterion in Amorphous Particle-Wall Collisions in Spray Drying. Peroceedings of the 4th Asian Particle Technology Symposium (APT2009), 14-16 September 2009, New Delhi, India, Paper APT2009/17.
30. Kamarudin, S.K., Ahmad, M.M. & Daud, W.R.W. 2009. High power passive μdmfc for portable applications. Proceedings of The 3rd World Hydrogen Technology Convention, 26-28 August 2009, New Delhi, India, P13.
31. Mahreni, A., Mohamad, A.B., Kadhum, A.A.H., Daud, W.R.W.. 2009. Moderate temperature and low relative humidity hydrogen proton exchange membrane fuel cell (hpemfc) using nanocomposite membrane as electrolyte. Proceedings of The 3rd World Hydrogen Technology Convention, 26-28 August 2009, New Delhi, India, H26.
32. Lim, S.S., Daud, W.R.W., Md Jahim, J., Ismail, M., Kamarudin, S.K. and Shari, S.N.. 2009. Biohydrogen and power generation microbial fuel cell hybrid system prototype for local industrial wastewater treatment. Proceedings of The 3rd World Hydrogen Technology Convention, 26-28 August 2009, New Delhi, India, I32.
33. Ismail, M., Yaakob, Z., Daud, W.R.W., Sari, R. 2009. Preparation of palladium on alumina ceramic membrane tube via electroless plating and osmotic process. Proceedings of The 3rd World Hydrogen Technology Convention, 26-28 August 2009, New Delhi, India, B23.
34. Hashim, N., Kamarudin, S.K., Daud, W.R.W., Ahmad, M.M. 2009. Design and performance testing of dmfc stacking. The Proceeding of the 3rd International Conference on Chemical & Bioprocess Engineering (ICCBE2009) and 23rd Symposium of Malaysia Chemical Engineering (SOMCHE2009), 12 – 14 August 2009, Universiti Malaysia Sabah, Kota Kinabalu, Sabah pp. 956-959.
35. Chong, C.H., Law, C.L., Daud, W.R.W. & Abdullah, L.C.. 2009. Effects of Hybrid Dehumidifier Drying on Texture and Kinetics of Manilkara zapota. The Proceeding of the 3rd International Conference on Chemical & Bioprocess Engineering (ICCBE2009) and 23rd Symposium of Malaysia Chemical Engineering (SOMCHE2009), 12 – 14 August 2009, Universiti Malaysia Sabah, Kota Kinabalu, Sabah, pp. 108-113.
36. Basri, S., Kamarudin, S.K., Daud, W.R.W., Ahmad, M.M., Hashim, N. & Hasran, U.A.. Unsteady state modeling and analysis of passive liquid-feed for DMFC. Proceeding of the 3rd International Conference on Chemical and Bioprocess Engineering (ICCBE2009) and 23rd Symposium of Malaysia Chemical Engineering (SOMCHE2009), 12 - 14 August 2009, Universiti Malaysia Sabah, Kota Kinabalu, Sabah.
37. Ahmad, M.M., Kamarudin, S.K. & Daud, W.R.W. Reka bentuk dan pembangunan Mikro Sel Fuel Metanol Langsung (µSFML) untuk aplikasi mudah alih. Proceeding of the 3rd International Conference on Chemical and Bioprocess Engineering (ICCBE2009) and 23rd Symposium of Malaysia Chemical Engineering, Malaysia (SOMCHE2009), 12 - 14 August 2009, Universiti Malaysia Sabah, Kota Kinabalu, Sabah.
38. Rahimnejad, M., Mokhtarian, N., Najafpour, G.D., Ghoreyshi, A.A. & Daud, W.R.W.. 2009. Effective parameters on performance of Microbial Fuel Cell. Second International Conference on Environmental and Computer Science 2009, 411-415.
39. Markom, M., Daud, W.R.W. and Hasan, M.. 2009. Supercritical Fluid Polarity-Based Fractionation of Plant Products. 29th International Symposium on SuperCritical Fluids (ISASF2009) : New trends in Supercritical Fluids: Energy, Materials, Processing, May 18-20, 2009, Arcachon, France, pp. 175-182.

**Year 2008:**

1. Marnoto, T., Sopian, K., Daud, W.R.W., Algoul, M. A. & Zaharim, A. 2008. Mathematical Model for Determining the Performance Characteristics of Multi-Crystalline Photovoltaic Modules. Proc. of the 9th WSEAS Int. Conf. on Mathematical and Computational Methods in Science and Engineering, Trinidad and Tobago, 5-7 November 2007. 79-84.
2. Sopian, K., Marnoto, T., Daud, W.R.W., Alghoul, M.A., Zaharim, A., Amin, A. and Yahya, M.. 2008. Grid Connected Solar Hydrogen Production System 2nd WSEAS/IASME International Conference on Renewable Energy Sources (RES'08), Corfu, Greece, 26-28 October 2008, 105 – 111.
3. Ibrahim, M., Sopian, K., Daud, W.R.W., Yahya, M., Alghoul, M.A. & Zaharim, A... 2008 Performance Predication of Solar Assisted Chemical Heat Pump Drying System in Tropical Region, 2nd WSEAS/IASME International Conference on Renewable Energy Sources (RES'08), Corfu, Greece, 26-28 October 2008, 122-126.
4. Yaakob, Z., Kamarudin, S.K., Daud, W.R.W., Yosfiah, M.R. & Lim, K.L.. 2008. Thermodynamic Study of Hydrogen Production from Methanol, 2nd WSEAS/IASME International Conference on Renewable Energy Sources (RES'08), Corfu, Greece, 26-28 October 2008, 250-256.
5. Anuar, N., Daud, W.R.W., Roberts, K.J., Kamarudin, S.K., Tasirin, S.M., Abidin, S.N.Z.Z.. and Othman, S.Z.. 2008. Characterisation of L-isoleucine Salt Crystals Grown in Acidic and Basic Solution. Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. I, 365-372.
6. Nordin, M.F.M., Daud, W.R.W., Gariépy, Y., Talib, M.Z.M., Nemes, S., Vijaya Raghavan, G.S.. 2008. Optimization Of Microwave Assisted Hot Air Drying For Red Pitaya (Hylocereus undatus). Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. I, 473-480.
7. Puspasari, I., Talib, M.Z.M., Daud, W.R.W., and Tasirin, S.M.. 2008. Thin-layer Drying Characteristics of Oil Palm Frond Chips: Part I. Particle Size Measurement and Distribution. Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. I, 517-522.
8. Puspasari, I., Talib, M.Z.M., Daud, W.R.W., and Tasirin, S.M.. Thin-layer Drying Characteristics of Oil Palm Frond Chips: Part II. A semi-theoretical and Empirical Approach. Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. I, 523-528.
9. Jajaei, S.M., Daud, W.R.W., Markom, M., Kadhum, A.A.H., Zakaria, Z.. 2008. Supercritical Fluid Fractionation of Melaleuca Cajuputi oil. Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. I, 557-562.
10. Chong, C.H., Law, C.L., Cloke, M., Abdullah, L.C., Daud, W.R.W. 2008. Intermittent Turbulent Hot Air Drying of Ciku. Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. I, 863-868.
11. Shamsudin, R., Daud, W.R.W., Takriff, M.S. & Hassan, O.. Changes in Chemical Compositions of the Josapine Variety of Pineapple Fruit (Ananas Comosus L.) at Different Storage Conditions. Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. I, 963-970.
12. Markom, M. and Daud, W.R.W. 2008. Parameter Effects in the Pressurised Water Extraction of Hydrolysable Tannins from Phyllanthus niruri linn. Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. I,
13. Hasran, U.A., Kamarudin, S.K., Daud, W.R.W., and Hashim, N.. 2008. Flow field fabrication using wet etching. Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. II, 169-174.
14. Woo, M.W., Daud, W.R.W., Tasirin, S.M., Talib, M.Z.M. 2008. Pilot-scale spray dryer optimization know-how. Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. II, 323-328.
15. Basri, S., Kamarudin, S.K., Daud, W.R.W., Ahmad, M.M., Hashim, N., Hasran, U.A., and Sitanggang, R.. 2008. μSFUKM : Design advisor tool for direct methanol fuel cell (DMFC) applications. Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. II, 413-416.
16. Takriff, M.S., Bahnuddin, N.N.. Mohammad, A.W., Abdullah, A.R.S., and Daud, W.R.W. 2008. Integrating inherent safety at early stage of process design: Index based approach. Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. II, 447-450.
17. Mahreni, A., Mohamad, A.B., Kadhum, A.A.H., W.R. W. Daud. 2008. Synthesis and characterization the composite organic-inorganic membrane using sol-gel process for proton exchange membrane fuel cell (PEMFC), Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. II, 467-472.
18. Mahreni, A., Mohamad, A.B., Kadhum, A.A.H., W.R. W. Daud. 2008. Performance of nano composite membranes as electrolyte for proton exchange membrane fuel cell (pemfc) application. Performance of nano composite. Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. II, 473-478.
19. Rahman, F.H., Minggu, L.J., Kassim, M., Daud, W.R.W. 2008. Short review on group ii-vi semiconductor photoelectrode with metal oxides as protector. Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. II, 517-524.
20. Shari, S.N., Md Jahim, J., Kamarudin, S.K. and Daud, W.R.W. 2008. Development of micro biofuel cell for power generation, Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. II, 561-566.
21. Hosseini, S., Mohamad, A.B. , Kadhum, A.A.H., Daud, W.R.W. 2008. Analysis and modeling of overpotentials in a solid acid fuel cell. Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. II. 573-578.
22. Dedikarni, J. Raharjo, Muchtar, A., Muhamad, N., W. R.W Daud, and J. Sahari 2008. Synthesis and characterization of δ- Bi2O3 phase in the bi1-x-Cex-Oy system for low temperature SOFC electrolytes, Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. II, 599-602.
23. Raharjo, J., Dedikarni, and Daud, W.R.W. 2008. Materials technology in low and intermediate temperature solid oxide fuel cells : a review, Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. II, 609-612.
24. Ahmad, M.M., Kamarudin, S.K., Daud, W.R.W., Hashim, N., Basri, S., Hasran, U.A. and Sitanggang, R. 2008. Direct methanol fuel cell (DMFC) for portable application, Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. II, 613-616.
25. Hashim, N., Kamarudin, S.K., Daud, W.R.W., Basri, S., Ahmad, M.M., Sitanggang, R. and Hasran, U.A.. 2008. Development of passive micro direct methnanol fuel, Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. II, 617-620.
26. Yaakob, Z., Daud, W.R.W., and Long. L.K 2008. Preparation and characterization of coconut fiber for hydrogen storage, Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. II, 631-634.
27. Arifin, K., Minggu, L.J., Kassim, M., Daud, W.R.W. 2008. Photoactivity study of Tris (dithiolene) tungstate, dye sensitizers for a photocatalytic H2O splitting reaction, Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. II, 709-714.
28. Minggu, L.J., Kassim, M., Daud, W.R.W. 2008. Combination of TiO2-WO3-Fe2O3 photoelectrodes for photoelectrochemical water splitting, Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. II, 715-720.
29. Hamid, N.A., Daud, W.R.W., Muhamad, N., and Muchtar, A.. 2008. Preparation and characterization of La1-xSrxCo0.2Fe0.8O3-δ (LSCF) with X = 0.3-0.5 for the intermediate temperature solid oxide fuel cell (IT-SOFC), Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, Vol. II, 925-928.
30. Sitanggang, R., Daud, W.R.W., Mohamad, A.B. & Kadhum, A.A.H. 2008. Electrode Spraying Process Modeling Using a Dimensionless Spraying Number. Fuel Cell Science & Technology 2008: Scientific Advances in Fuel Cell Systems Confederation of Danish Industries, Copenhagen, Denmark, 8th – 9th October 2008
31. Hassan, N.S.M., Daud, W.R.W., Sopian, K., & Sahari, J. 2008. Water Management in a Single Cell PEMFC with Serpentine Flow Field, Fuel Cell Science & Technology 2008: Scientific Advances in Fuel Cell Systems Confederation of Danish Industries, Copenhagen, Denmark, 8th – 9th October 2008
32. Woo, M.W., Daud, W.R.W., Mujumdar, A.S., Wu, Z.H., Talib, M.Z.M., & Tasirin, S.M. 2008. CFD Evaluation Of Droplet Drying Models In A Spray Dryer Fitted With A Rotary Atomizer, 16th International Drying Symposium (IDS 2008), Ramoji Film City, Hyderabad, India 9-12 November 2008.
33. Nordin, M.F.M., Gariépy, Y., Daud, W.R.W., Raghavan, G.S.V. & Talib, M.Z.M.. 2008. Microwave And Hot Air Drying For Red Pitaya (Hylocereus Undatus). 16th International Drying Symposium (IDS 2008), Ramoji Film City, Hyderabad, India 9-12 November 2008.
34. Woo, M.W., Daud, W.R.W., Talib, M.Z.M. & Tasirin, S.M. 2008. Deposition of amorphous particles in spray drying: Effect of wall surface energy manipulation at steady state wall thermal condition. 16th International Drying Symposium (IDS 2008), Ramoji Film City, Hyderabad, India 9-12 November 2008.
35. Chong, C.H., Law, C.L., Cloke, M., Abdullah, L.C. & Daud, W.R.W.. 2008. Drying kineitcs, texture, total polyphenol, colour change during hot air drying of ciku. In Proceeding of the 16th International Drying Symposium (IDS2008), Ramoji Film City, Hyderabad, India, 9- 12 November 2008.
36. Rahman, F.H., Arifin, K., Kassim, M., Daik, R. & Daud, W.R.W. 2008. Inorganic Synthesis of Tris(1-carboxyl-2-phenyl-1,2-ethylenodithiolenic-S,S?) Tungsten Complex as Photocatalyst for Water Photolysis. 17th World Hydrogen Energy Conference WHEC 2008, Brisbane Convention & Exhibition Centre, Queensland, Australia, 5th – 8th June 2008, paper no.
37. Minggu, L.J., Daud, W.R.W. & Kassim, M. 2008. Photoelectrochemical Performance of TiO2WO3Fe2O3 Photoelectrode for Water Splitting, 17th World Hydrogen Energy Conference WHEC 2008, Brisbane Convention & Exhibition Centre, Queensland, Australia, 5th – 8th June 2008, paper no. 620.

**Year 2007:**

1. Marnoto, T., Daud, W.R.W., Sopian, K., Alghoul, M.A. & Amin, N., Grid Connected Photovoltaic Solar Hydrogen Production System”, Proceedings of the 2007 World Renewable Energy Conference –Pacific Rim Region, Taipei Taiwan, Oct 29 – Nov, 2007. “Development and Applications of Renewable Energy”, page 194, ISBN 978-986-01-1108-8.
2. Marnoto, T., Daud, W.R.W., Sopian, K., Zulkifli, R., Rahman, M.N.A., Al-Ghoul, M. & Amin, N.. Performance Of A Grid Connected Solar Hydrogen Pv System In Malaysia. 17th International Photovoltaic Science and Engineering Conference - PVSEC-17, Fukuoka, Japan, Dec 3 -7, 2007. Technical Digest of the International PVSEC-17, Fukuoka, Japan, 2007; Pages 669-670
3. Marnoto, T., Daud, W.R.W., Sopian, K., Rahman, M.N.A., Zulkifli, R., AlGhoul, M. & Amin, N.; Economic Analysis Of A Grid Connected Solar Hydrogen Pvsystem, 17th International Photovoltaic Science and Engineering Conference - PVSEC-17, Fukuoka, Japan, Dec 3 -7, 2007. Technical Digest of the International PVSEC-17, Fukuoka, Japan, 2007; Pages 909-910.
4. Marnoto, T., Sopian, K., Daud, W.R.W., AlGhoul, M.,& Zaharim, A., Mathematical Model For Determining The Performance Characteristics Of Multi- Crystalline Photovoltaic Modules, Proceedings of the 9th WSEAS Int.Conf. On Mathematical And Computational Methods In Science And Engineering (MACMESE'07) ,Trinidad And Tobago, November 5-7, 2007. pp 79 -85. ISSN: 1790-5117 ISBN: 978-960-6766-11-4
5. Anuar, N., Daud, W.R.W., Roberts, K.J., Kamarudin, S.K. & Tasirin, S.M.. 2007 Crystallization Study Of L-Isoleucine: The Surface Energy Determination And Morphology Prediction, Regional Symposum of Chemical Engineering RSCE 2007, 3 -5 December 2007, Jogjakarta, Indonesia.
6. Nordin, M.F.M., Daud, W.R.W., Talib, M.Z.M. & Hassan, O. 2007 Optimization of Dried Red Pitaya (Hoylocereus Udantus) Quality Regional Symposum of Chemical Engineering RSCE 2007, 3 -5 December 2007, Jogjakarta, Indonesia, PE18.
7. Jajaei, S.M., Daud, W.R.W., Zakaria, Z., Markom, M., Kadhum, A.A.H. 2007. Supercrtical Extraction of Tea Trees Essential Oil, Regional Symposum of Chemical Engineering RSCE 2007, 3 -5 December 2007, Jogjakarta, Indonesia
8. Kamarudin, S.K., Daud, W.R.W., Ho, S.L. & Hasran, U.. 2007. Mathematical Modeling of a Micro Direct Methanol Fuel Cell (DMFC), Regional Symposum of Chemical Engineering RSCE 2007, 3 -5 December 2007, Jogjakarta, Indonesia
9. Shamsudin, R., Daud, W.R.W., Takriff, M.S., Hassan, O. 2007, iinfluence of Temperature and Soluble Solid Contents on Rheological Properties of the Josapine variety of Pineapple Fruit (Ananas Comosus L.), The 2nd International Engineering Convention 2007, Saudi Arabia
10. Shamsudin, R., Daud, W.R.W., Takriff, M.S., Hassan, O., 2007 Physical and Mechanical Properties of the Josapine variety Pineapple Fruit (Ananas Comosus L.) at different Stage of Maturity, World Engineering Congress 2007. Malaysia
11. Takriff, M.S., A.A.H Khadum, Daud, W.R.W., Ali, E., 2007, VOCs pollution from Mobile Sources in Klang Valley, Malaysia, accepted for presentation in The 3rd Seminar of JSPS-VCC Core University Program on Research On the Planning Urban Energy System to Minimize of CO2 and Other Air Pollution in Cities under Different Climate, Johore Baharu, Malaysia
12. Takriff, M.S., Bhatia, M., A.A.H Khadum, Daud, W.R.W., Fisal, Z., Mohamad, A.B., 2007, Modeling the Distribution of Spinosad in the Environment, accepted for presentation in The 3rd Seminar of JSPS-VCC Core University Program on Research On the Planning Urban Energy System to Minimize of CO2 and Other Air Pollution in Cities under Different Climate, Johore Baharu, Malysia
13. Shamsudin, R., Daud, W.R.W., Takriff, M.S., Hassan, O., 2007, Effect of Fruit maturity on the Chemical composition of Josapine Pineapple Fruit, Accepted for presentation in the 10th Asean Food Conference 2007, Kuala Lumpur, Malaysia
14. Kamarudin, S.K., Daud, W.R.W.,. 2007. Overview On The Infrastructure Planning Of Hydrogen Energy In Malaysia, ENCON 2007
15. Daud, W.R.W.. 2007. Fluidized Bed Dryers – Recent Advances. Keynote Address, The 3rd Asian Particle Technolofy Symposium APT 2007, 3 – 5 September 2007, Beijing China.
16. Woo, M.W., Daud, W.R.W., Tasirin, S.M. & Talib, M.Z.M. 2007 Condition of amorphous particle deposits and products at different drying rates in a spray dryer. Proceedinsg of the Thirsd Asian Particle Technology Symposium, APT2007, 3rd-5th September 2007, Beijing Chine, Vol. 1, pp. 105-114.
17. Woo, M.W., Daud, W.R.W., Tasirin, S.M. & Talib, M.Z.M. 2007 Effect of wall surface properties at different drying kinetics on the deposition problem in spray dryers, Proceedings of the 5th Asia-Pacific Drying Conference, Guaohua Chen (Edt.), World Scientific Publishing Co, Singapore. Vol. 1, pp. 234-240.
18. Daud, W.R.W., Talib, M.Z.M., Hooi,O.C. 2007. Characteristics of superheated steam through drying of kenaf fibers, Proceedings of the 5th Asia-Pacific Drying Conference, Guaohua Chen (Edt.), World Scientific Publishing Co, Singapore. Vol. 1, pp. 144-149.
19. Nordin, M.F.M., Daud, W.R.W., Talib, M.Z.M., Hassan, O., 2007.Effect of process parameters on quality properties of microwave dried Red Pittaya (Hylocereus Undatus), Proceedings of the 5th Asia-Pacific Drying Conference, Guaohua Chen (Edt.), World Scientific Publishing Co, Singapore. Vol. 1, pp. 404-409.
20. Law, C.L. & Daud, W.R.W. 2007. Design of hybrid dryers – dedusting unit processor for rough rtice process. Proceedings of the 5th Asia-Pacific Drying Conference, Guaohua Chen (Edt.), World Scientific Publishing Co, Singapore. Vol. 1, pp. 553-560.
21. Talib, M.Z.M., Abdullah, S., Daud, W.R.W. & Tasirin, S.M. 2007. On-line web-based simulator of a plug flow fluidised bed cross-flow dryer, Proceedings of the 5th Asia-Pacific Drying Conference, Guaohua Chen (Edt.), World Scientific Publishing Co, Singapore. Vol. 1, pp. 620-625.
22. Hasibuan, R. & Daud, W.R.W. 2007. Changes in the Quality of Superheated Steam Through Drying of Palm Empty Fruit Bunches fibers, Proceedings of the 5th Asia-Pacific Drying Conference, Guaohua Chen (Edt.), World Scientific Publishing Co, Singapore. Vol. 2, pp. 904-909.

**Year 2006:**

1. Rosli, N., Daud, W.R.W., Md Jahim, J. & Markom, M. 2006. Supercritical Fluid Extraction of Citronella (Cymbopogon nardus) Essential Oil: Modelling the Effects of Varying Temperature and Pressure, Proceeidings of the 20th Symposium of Malaysian Chemical Engineers, 19-21 December 2006, Shah Alam, Malaysia, 721-726 (ISBN: 983-3644-07-4).
2. Yaakob, Z., Ibrahim, M.A., Daud, W.R.W., Kadhum, A.A.H. 2006. Characterization of Novel Multi-Function Catalyst Cu-Zn-Al supported on ZSM-5 for steam reforming methanol. Proceedings of International Conference on Green Chemistry: Malaysian Chemical Congress (MCC 2006), 19 – 21 September 2006, Sunway Pyramid Convention Centre, Petaling Jaya, Selangor, Malaysia, pp. 119-127.
3. Rahman, F.H., Kassim, M., Daik, R. & Daud, W.R.W.. 2006. Inorganic synthesis of tris(1-carboxyl-2-phenyl-1,2-ethylenodithiolenic-S,S') tungsten complex as photocatalyst for water photolysis. Proceedings of International Conference On Green Chemistry: Malaysian Chemical Congress (MCC 2006), 19 – 21 September 2006, Sunway Pyramid Convention Centre, Petaling Jaya, Selangor, Malaysia, pp. 634-637.
4. Anuar, N., Daud, W.R.W., Roberts, K.J., Kamarudin, S.K. & Tasirin, S.M.. 2006. Crystallisation of L-isoleucine aqueous solution. Proceedings of International Conference On Green Chemistry: Malaysian Chemical Congress (MCC 2006), 19 – 21 September 2006, Sunway Pyramid Convention Centre, Petaling Jaya, Selangor, Malaysia, pp. 626-632.
5. Jajaei, S.M., Daud, W.R.W., Zakaria, Z., Markom, M. & Kadhum, A.A.H. 2006. Extraction of High Quality and Quantity Tea Tree Oil using Supercritical Fluid Extraction without using Organic Solvent, Proceedings of International Conference On Green Chemistry: Malaysian Chemical Congress (MCC 2006), 19 – 21 September 2006, Sunway Pyramid Convention Centre, Petaling Jaya, Selangor, Malaysia, 537-540.
6. Arifin, K., Rahman, F.H., Lorna J.M., Daud, W.R.W., Daik, R., Kassim, M. &. 2006. Synthesis and cyclic voltammetry study of tris{1,2-bis(3,5-dimethoxyphenyl)-1,2-ethylenodithiolenic-S,S'} tungsten dye sensitizer for photoelectrochemical cell to generate hydrogen from water. Proceedings of International Conference On Green Chemistry: Malaysian Chemical Congress (MCC 2006), 19 – 21 September 2006, Sunway Pyramid Convention Centre, Petaling Jaya, Selangor, Malaysia. pp. 621-625.
7. Majlan, E.H., Daud, W.R.W., Yaakob, Z. & Takriff, M.S. 2006. Hydrogen Purification Using Compact Pressure Swing Adsorption System for Fuel Cell. International Conference on Green Chemisty: Malaysian Chemical Congress (MCC 2006), 19-21 September 2006, Sunway Pyramid Convention Centre, Petaling Jaya, Selangor, Malaysia.pp. 274-281.
8. Yaakob, Z., Daud, W.R.W., Amer Mohammad Al-Shareef, Ibrahim, M.A. 2006. Production of Hydrogen over methanol over Ni and Cu based catalyst, The First International Conference on Natural Resources Engineering and Technology, 24 – 25 Julai 2006, Marriott Putrajaya, Malaysia.
9. Daud, W.R.W., Kamarudin, S.K., Ho, S.L. & Hasran, U.A.. 2006. Direct methanol fuel cell for portable application. Proceedings of the 11th Asian Pacific Confederation of Chemical Engineering (APCChE 2006) Congress, Kuala Lumpur. Paper ID: 517.
10. Hosseini, S., Mohamad, A.B., Kadhum, A.A.H., Daud, W.R.W. 2006. Study on A Potential of Using CsH2PO4 as Electrolyte Membrane Fuel Cell. Proceeding Of The 11th APCChE Congress 2006.
11. Rosli, M.I., Sopian, K., Sahari, J. & Daud, W.R.W.. 2006. Advances In The Development Of A PEM Fuel Cell In An Open-Air Cathode Stack Design. Procceding of the International Symposium & Exhibiton on Sustainable Energy & Environment, ISESEE 2006. Kuala Lumpur, Malaysia. pp 323-329.
12. Ibrahim, M.Z., Sopian, K., Daud, W.R.W. & Othman, M.Y. 2006. Malaysia’s First 2kW Hybrid PV-Wind Hydrogen Production System International Symposium & Exhibition on Sustainable Energy & Environment, ISESEE 2006. Kuala Lumpur, Malaysia 331 – 340
13. Marnoto, T., Sopian, K., Daud, W.R.W. & Shaari, S. 2006. Generalized Equations for Determining the Characteristics of Crystalline Photovoltaic Modules, International Symposium & Exhibition on Sustainable Energy & Environment, ISESEE 2006. Kuala Lumpur, Malaysia 389 – 400.
14. Rosli, M.I., Sopian, K. & Daud, W.R.W.. 2006. An Open Air Cathode PEMFC Stack Suitable For Portable System, Proceeding of the World Renewable Energy Congres IX and Exhibition, (WREN 2006), 19 – 25 August 2006, Florence, Italy. (in CD)
15. Sopian, K., Daud, W.R.W., Saidi, H., Kamarudin, W. N. & Ramli, N.A. 2006 The Hydrogen Energy Fuel Cell Roadmap for Malaysia, Proceeding of the World Renewable Energy Congress IX and Exihibition, 19 – 25 August 2006, Florence, Italy.
16. Ibrahim, M., Sopian, K. & Daud, W.R.W. 2006. CFD Study Of Water Flow In An Electrolyzer’s Spacer, Proceedings of the World Renewable Energy and Environment Conference, Tripoli Libya, 22 -24 January 2006 (in CD Paper H6).
17. Daud, W.R.W. 2006. A Crossflow Model For Continuous Plug Flow Fluidised Bed Crossflow Dryers. Drying 2006 Proceedings of the 15th International Drying Symposium (IDS 2006), Budapest, Hungary, 20-23 August 2006, Vol. A, pp. 459-464.
18. Hasibuan, R. & Daud, W.R.W. 2006. Through Drying Characteristic of Oil Palm Empty Fruit Bunches (EFB) Fiber Using Superheated Steam. Drying 2006 Proceedings of the 15th International Drying Symposium (IDS 2006), Budapest, Hungary, 20-23 August 2006, Vol. C, pp. 1349-1355
19. Yaakob, Z., Minggu, L.J., Daud, W.R.W., Mohamad, A.B.. 2006. Role of Pd on Catalysts Supported on Gamma Alumina For Hydrogen Production. Process Intensification and Innovation Process (PI) Conference II -Cleaner, Sustainable, Efficient Technologies for the Future, Christchurch, New Zealand, September 24 - 29, 2006, [ECI/PI2/064]
20. Kamarudin, S.K., Tasirin, S.M., Daud, W.R.W., and Al-Mahdi A. Al-Hweage 2006. Local Behavior of Solid Mixing in Bubbling Fluidized Bed Tuesday, Fifth World Congress on Particle Technology, The 2006 AIChE Spring National Meeting, Orlando, Florida, USA 25 April 2006, 116b
21. Anuar, N., Daud, W.R.W., Roberts, K.J., Kamarudin, S.K., and Tasirin, S.M. 2006. Batch Crystallisation of L-Isoleucine Using on-Line Monitoring System. Fifth World Congress on Particle Technology, The 2006 AIChE Spring National Meeting, Orlando, Florida, USA 25 April 2006, 164b

**Year 2005:**

1. Daud, W.R.W. 2005 Fuel Cell Developmnet in Malaysia: Prospects for the Future. Keynote Paper. International Science Congress (ISC) 2005 Science for Humanity. 3 – 6 August 2005, Putra World Trade Centre, Kuala Lumpur, Malaysia, pp. 306-307.
2. Takriff, M.S., Daud, W.R.W., Kadhum, A.A.H., & Hussaini, T. 2005, VOCs Pollution in Klang Valley, Malaysia, The planning of Urban Energy and Environmental Systems, The 2nd Seminar of JSPS-VCC, Ritsumeikan University, Biwako-Kusatsu Campus, Shiga, Japan, pp 35
3. Yaakob, Z., Mahmud, M.S., Daud, W.R.W. & Mohamad, A.B., 2005, Catalysts For Hydrogen Production From Methanol Reforming, Proceedings International Hydrogen Energy Congress and Exhibition IHEC 2005 Istanbul, Turkey, 13-15 July 2005
4. Rosli, M.I., Sopian, K., Sahari, J., Daud, W.R.W., 2005, Development and Performance of a 1 kW PEM Fuel Cell Stack, Proceedings of the World Renewable Energy Regional Congress and Exhibition 2005, Jakarta, Indonesia, 17 - 21 April 2005
5. Kamarudin, S.K., Daud, W.R.W., Som, A.M., Mohammad, A.W. & Takriff, M.S. 2005. Techo-economic view of a proton electrolyte membrane (PEM) fuel Cell. Regional Symposium On Chemical Engineering. m.s 259-265.
6. Daud, W.R.W. 2005. Fluidised Bed Dryers : Recent Advances, Keynote Paper. The 4th Asia Pacific Drying Conference, ADC 2005, 13 – 16 December 2005, Kolkata, India, Jil. 1, Pp. 228 - 244.
7. Markom, M., Hasan, M. & Daud, W.R.W. 2005. Optimization of Supercritical Fluid Extraction of Phyllanthus niruri L. (Dukung Anak) by Experimental Design Approach, Symposium of Malaysia Chemical Engineering 2005 (SOMChE 2005)/ International Conference on Chemical & Bioprocess Engineering 2005 (ICCBPE 2005), Kota Kinabalu, Sabah, 7 – 10 December 2005, BPE-28, pp. 88-94.
8. Alhwaige, A.A., Tasirin, S.M. & Daud, W.R.W. 2005. Experimental study on the mixing of binary polymer particles in different types of mixer, Symposium of Malaysia Chemical Engineering 2006 (SOMChE -2005)/ International Conference on Chemical & Bioprocess Engineering 2005 (ICCBPE 2005), Kota Kinabalu, Sabah, 7 – 10 December 2005, CPE-47, pp. 455 - 463.
9. Yaakob, Z., Ibrahim, M.A., Daud, W.R.W. & Kadhum, A.A.H. 2005. Preparation and Characterization of Cu-Zn-Al Supported on Zeolite ZSM-5 For Hydrogen Production from Methanol, Symposium of Malaysia Chemical Engineering 2005 (SOMChE -2005)/ International Conference on Chemical & Bioprocess Engineering 2005 (ICCBPE 2005), Kota Kinabalu, Sabah, 7 – 10 December 2005, MTE-10, pp. 852-857.
10. Kamarudin, S.K., Daud, W.R.W. & Som, A.M.. 2005. Synthesis And Optimal Design Of PEM Fuel System, Symposium of Malaysia Chemical Engineering 2006 (SOMChE -2005)/ International Conference on Chemical & Bioprocess Engineering 2005 (ICCBPE 2005), Kota Kinabalu, Sabah, 7 – 10 December 2005, EES-52, pp. 787 - 787.
11. Daud, W.R.W. 2005. Shortcut design method for hyperfiltration hollow fibre module: the effect of varying transmembrane pressure and concentration polarization, International Congress on Membranes & Membrane Processes 2005, ICOM 2005, Seoul, South Korea, 21-26 August 2005.
12. Kamarudin, S.K. & Daud, W.R.W. 2005. Economic Analysis of A PEM Fuel Cell Sytem, Ninth Grove Fuel Cell Symposium, London, UK, 4 – 6 October 2005.
13. Kamarudin, S.K., Daud, W.R.W., Som, A.M., Takriff, M.S. & Mohammad, A.W. 2005. Synthesis and Global Optimization of Reactor-Separation Networks (RSN) Via NLP Procedures: PEM Fuel Cell System, 8th Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction, PRES’05, 15 - 18 May 2005 Giardini Naxos, Italy, Vol. 1, pp. 327 – 332.

**Year 2004:**

1. Daud, W.R.W. 2004. Modelling of Continuous Plug Flow Fluidised Bed Crossflow Dryers. International Workshop and Symposium on Industrial Drying (Topics in Heat & Mass Transfer), 20 – 23 December, Mumbai, India, pp. 368-375.
2. Law, C.L., Tasirin, S.M., Daud, W.R.W., Cheah, H.M. 2004. Glutinous Rice Drying in Rapid Bin Dryer, International Workshop and Symposium on Industrial Drying, 20 – 23 December, Mumbai, India, pp. 202.
3. Law, C.L., Tasirin, S.M., Daud, W.R.W. & Geldart, D. 2004. Particle Flowability And Dedusting / Dehusking Separation Efficiency Of Rough Rice In An Inclined Plug Flow Fluidized Bed, The 10th Asia-Pacific Confederation of Chemical Engineers Congress APCChE 2004, 17-21 October 2004, Kitakyushu, Japan, A-11.
4. Law, C.L., Tasirin, S.M., Daud, W.R.W. 2004. Derivation of New Drying Model from Theoretical Diffusion Controlled Drying Period, The 14th International Drying Symposium, IDS2004, 22 – 25 August 2004, Sao Paolo, Brazil, Vol. A, pp. 430 - 435.
5. Hasibuan, R. & Daud, W.R.W. 2004. Through Drying of Oil Palm Empty Fruit Bunches (Efb) Fiber Using Superheated Steam, The 14th International Drying Symposium, IDS2004, 22 – 25 August 2004, Sao Paolo, Brazil, Vol. C, pp. 2027 - 2034.
6. Yahya, M., Othman, M.Y., Sopian, K., Daud, W.R.W. & Yatim, B. 2004. Quality Of Pegaga Leaf Dried In A Solar Assisted Dehumidification Drying System, The 14th International Drying Symposium, IDS2004, 22 – 25 August 2004, Sao Paolo, Brazil, Vol. B, pp. 1049 - 1054.
7. Iyuke, S.E., Yasin, F.M., Fakhru’l-Razi, A., Shamsuddin, S., Mohamad, A.B. & Daud, W.R.W. 2004. FCCVD-Coating of Multifilament Carbon Fibres by Whiskerization with Fe Catalyst, The 11th International Conference on Composites/Nano Engineering, ICCE-11, 8 – 14 August, 2004, Hilton-Ketua Beach, South Carolina, USA, p. 297.
8. Daud, W.R.W. 2004. A New Short-Cut Design Method for Ultrafiltration and Hyperfiltration Cross-Flow Hollow Fiber Membrane Modules, Regional Symposium on Membrane Science & Technology 2004, MST2004, 21 – 25 April 2004, Johor Bahru, Johor, Malaysia.
9. Kadhum, A.A.H., Mohamad, A.B., Daud, W.R.W. & Sitanggang, R. 2004. Water Permeability Study of Membrane Electrode Assembly (MEA) Fabrication Using X-Y Robotic Sprayer Machine, Regional Symposium on Membrane Science & Technology 2004, MST2004, 21 – 25 April 2004, Johor Bahru, Johor, Malaysia.

**Year 2003:**

1. Mohamed, Z., Tasirin, S.M. & Daud, W.R.W.. 2003. The Effect of Temperature on umf of Geldart Group B Particles, Proceedings of the 2nd Asian Particle Technology Symposium (APT2003), 17-19 Dec 2003, Penang, Malaysia, Vol. 1, 455 – 458.
2. Yosfiah, M.R., Yaakob, Z., Daud, W.R.W. & Md Jahim, J.. 2003. The Effect of Ni Metal Compound Particle in Surface Area of Support γ-Al2O3,Proceedings of the 2nd Asian Particle Technology Symposium (APT2003), 17-19 Dec 2003, Penang, Malaysia, Vol. 1, pp. 449 – 454.
3. Law, C.L., Tasirin, S.M. & Daud, W.R.W.. 2003. Particle Flowability of Group D Particles in an Inclined Fluidized Bed Column, Proceedings of the 2nd Asian Particle Technology Symposium (APT2003), 17-19 Dec 2003, Penang, Malaysia, Vol. 2, pp. 29 - 34.
4. Ng, P.P., Tasirin, S.M., Daud, W.R.W., Law, C.L. & Eng, K. H.. 2003. Physical, Bulk and Instant Properties of Spray Dried Soymilk Powder, Proceedings of the 2nd Asian Particle Technology Symposium (APT2003), 17-19 Dec 2003, Penang, Malaysia, Vol. 2, pp. 253 – 258.
5. Law, C.L., Tasirin, S.M. & Daud, W.R.W.. 2003. On Constant Speed of Drying Boundary and Drying Model in Variable Diffusion Controlled Drying Period, Proceedings of the Regional Symposium on Chemical Engineering 2003 (RSCE2003), Metro Manila, Philippines, December 1 – 3, 2003, Ref. G3 in CD.
6. Miloud, S., Sopian, K., & Daud, W.R.W.. 2003. The Modeling of Three Cells Proton Exchange Membrane Fuel Cell (PEMFC), Proceedings of the Regional Symposium on Chemical Engineering 2003 (RSCE2003), Metro Manila, Philippines, December 1 – 3, 2003, Ref. G8 in CD.
7. Kamarudin, S.K., Daud, W.R.W., Som, A.M., Mohammad, A.W. & Takriff, M.S.. 2003 Optimization of 5 kW Mobile and Portable PEMFC System Via Energy Integration, Proceedings of the Regional Symposium on Chemical Engineering 2003 (RSCE2003), Metro Manila, Philippines, December 1 – 3, 2003, Ref. PP3 in CD.
8. Kamarudin, S.K., Daud, W.R.W., Som, A.M., Mohammad, A.W., Takriff, M.S. & Iyuke, S.E. 2003, A Conceptual Design Of The Fuel Processor System For A 5kw PEMFC, The Eight Grove Fuel Cell Symposium, 24t – 26 September 2003, Excel, London, P1.26.
9. Kamarudin, S.K., Daud, W.R.W. & Mohammad, A.W., 2003, The Conceptual Design Of A Hydrogen Purification System For Pemfc: A Mesoporous Tubular Ceramic Membrane And A Pressure Swing Adsorber In Series, The Eight Grove Fuel Cell Symposium, 24t – 26 September 2003, Excel, London, P1.27.
10. Iyuke, S.E., Kadhum, A.A.H., Mohamad, A.B., Daud, W.R.W. & Rachid, C. 2003. The Impacts of Low Platinum Loading of a Fabricated Electrode and Gas Diffusion Layer in MEA on the performance of a Single PEM Fuel Cell, The Eight Grove Fuel Cell Symposium, 24t – 26 September 2003, Excel, London, P2.1.
11. Kamarudin, S.K., Daud, W.R.W., Som, A.M., Takriff, M.S., & Mohammad, A.W. 2003. Stack Design For 5kW Mobile And Portable Application Of PEMFC System Via Simulation. International Conferences on Advances in Strategic Technologies, ICAST 2003, ms. 915-920.
12. Kamarudin, S.K., Daud, W.R.W., & Mohammad, A.W. 2003, Design Of A Mesoporous Tubular Ceramic Membrane Via CrosFlow Method. International Conferences on Advances in Strategic Technologies.ICAST 2003 ms: 327-334.
13. Yaakob, Z., Daud, W.R.W., Mohamad, A.B. & Mahmud, M.S. 2003. The effect of vanadia on Cu-Al based catalysts in methanol reforming: literature review, ICAST2003, 12-14 August 2003, Renaissance Hotel Kuala Lumpur, Pp. 1039-1044
14. Masdar, M.S., Daud, W.R.W., Sopian, K., & Sahari, J. 2003 Modeling of proton exchange membrane fuel cell with variable distance gas flow in anode and cathode, Proceedings of the International Symposium on Renewable Energy: Environment Protection & Energy Solution for Sustainable Development 2003, ms. 247-254
15. Hassan, N.S.M., Daud, W.R.W., Sopian, K., & Sahari, J. 2003 Mathematical modelling of water mass balance for proton exchange membrance fuel cell. Proceedings of the International Symposium on Renewable Energy: Environment Protection & Energy Solution for Sustainable Development 2003, ms. 239-246
16. Law, C.L., Tasirin, S.M. & Daud, W.R.W. 2003. A New Model of Thin Layer Drying Equation in Grain Drying. Proceedings of 4th International Conference for Conveying and Handling of Particulate Solids, CHoPS 2003, Budapest, Hungary. 27-30 May 2003, pg. 13.37-13.42.
17. Law, C.L., Tasirin, S.M., Daud, W.R.W. & Leat, L.W. 2003. Moisture Content of Rough Rice across Inclined Bed Dryer. Proceddings of 1st International Conference on Chemical and Bioprocess Engineering, ICCBPE 2003. Tuaran, Sabah, Malaysia. 27th-29th Aug 2003, pg. 15-21..
18. Ng, P.P., Tasirin, S.M., Daud, W.R.W., Law, C.L. & Eng, K.H. 2003. Stickiness in Spray Drying of Soymilk. Proceddings of 1st International Conference on Chemical and Bioprocess Engineering, ICCBPE 2003, Tuaran, Sabah, Malaysia. 27th-29th Aug 2003, . pg. 728-732..
19. Daud, W.R.W., Law, C.L.. 2003. Novel Fluidized Bed Technology, Keynote paper. Proceedings of 3rd Asian Pacific Drying Conference, ADC2003, Bangkok, Thailand. 1-3 Sep 2003, pg. 73-88.
20. Ng, P.P., Tasirin, S.M., Daud, W.R.W. & Law, C.L.. 2003. Effect of Temperature, Bed Height and Tempering on the Cracking Quality of Paddy Dried in a Cylindrical Column Dryer. Proceedings of 3rd Asian Pacific Drying Conference, ADC2003, Bangkok, Thailand. 1-3 Sep 2003, pg. 153-162.
21. Law, C.L., Tasirin, S.M. & Daud, W.R.W.. 2003. A Tale of Shallow Bed Unit Operation. Proceedings of 3rd Asian Pacific Drying Conference, ADC2003, Bangkok, Thailand. 1-3 Sep 2003, pg. 539-550.
22. Law, C.L., Tasirin, S.M. & Daud, W.R.W.. 2003. Drying Rate Gradient: Another Way of Describing Drying Kinetics. Proceedings of 3rd Asian Pacific Drying Conference, ADC2003, Bangkok, Thailand. 1-3 Sep 2003, pg. 551-560.
23. Hasibuan, R. & Daud, W.R.W. 2003. The Effects of Temperature and Velocity on Drying Rate in Superheated Steam Drying of EFB Fibres, Proceedings of 3rd Asian Pacific Drying Conference, ADC2003, Bangkok, Thailand. 1-3 Sep 2003, pg. 619 -626.
24. Yahya, M., Othman, M.Y., Sopian, K., Daud, W.R.W. & Yatim, B. 2003. Evaporative Capacity of a Solar- Assisted Dehumidification Drying System, Proceedings of 3rd Asian Pacific Drying Conference, ADC2003, Bangkok, Thailand. 1-3 Sep 2003, pg. 531 -538.
25. Othman, M.Y., Sopian, K., Yatim, B. & Daud, W.R.W. 2003. Development of Advanced Solar Assisted Drying System, Proceedings of 3rd Asian Pacific Drying Conference, ADC2003, Bangkok, Thailand. 1-3 Sep 2003, pg. 113 – 122.

**Year 2002:**

1. Iyuke, S.E., Mohamad, A.B., Daud, W.R.W., Kadhum, A.A.H. & Fakhru’l-Razi, A. 2002. Synthesised Tin-Activated Carbon Adsorbent for Purer and Cheaper Hydrogen Part 2: Numerical Simulation, Fuel Cell Science and Tehcnology 2002, 25 – 26 September 2002, Amsterdam, The Netherlands, P3B.26
2. Law, C.L., Tasirin, S.M., Daud, W.R.W., & Cheah Hui Ming. 2002. Drying Characteristic of Glutinous Rice in Rapid Bin Dryer, Proceedings of the Second World Engineering Congress – Biological, Agricultural & Food Engineering, 22-25 Jul 2002, Holiday Inn, Kuching, Sarawak, Malaysia, 185 – 190.
3. Law, C.L., Tasirin, S.M., & Daud, W.R.W. 2002. A Method of Predicting the Particle Sphericity of Non-Spherical Particles: Illustrations from SEM (Scan Electron Microscope), World Congress on Particle Technology 4, 21-25 Jul 2002. Sydney, Australia, Kertas no. 124.
4. Law, C.L., Tasirin, S.M., Daud, W.R.W. & Ng, P.P. 2002. Effect of Internal Baffles in Fluidized Bed Column on Fluidized Bed Hydrodynamic and Grain Drying Characteristic, International Drying Symposium, 2002, 27-30 Aug 2002, Beijing, China, 571 – 579.
5. Teoh, B.J., Law, C.L., Tasirin, S.M. & Daud, W.R.W.. 2002. Automatic Sphericity Determination of Non Spherical Particles Using Digital Image Processing, Regional Symposium on Chemical Engineering (RSCE 2002) in conjunction with 16th Symposium of Malaysian Chemical Engineers (SOMChE 2002), 28-30 Oct 2002, Petaling Jaya, Malaysia, 861-868.
6. Daud, W.R.W., 2002 Rate-Based Design of Cross-Flow Hollow Fiber Membrane Modules for Ultrafiltration, Regional Symposium on Chemical Engineering (RSCE 2002) in conjunction with 16th Symposium of Malaysian Chemical Engineers (SOMChE 2002), 28-30 Oct 2002, Petaling Jaya, Malaysia, 1141 -1150
7. Daud, W.R.W., 2002 Rate-Based Design of Cross-Flow Hollow Fiber Membrane Modules for Hyperfiltration, Regional Symposium on Chemical Engineering (RSCE 2002) in conjunction with 16th Symposium of Malaysian Chemical Engineers (SOMChE 2002), 28-30 Oct 2002, Petaling Jaya, Malaysia, 1325 – 1338.
8. Hasibuan, R. & Daud, W.R.W., 2002 The Effect of Temperature in Superheated Steam Impingement Drying, Regional Symposium on Chemical Engineering (RSCE 2002) in conjunction with 16th Symposium of Malaysian Chemical Engineers (SOMChE 2002), 28-30 Oct 2002, Petaling Jaya, Malaysia, 1339 – 1346.
9. Kamarudin, S.K., Daud, W.R.W., Som, A.M., Mohammad, A.W., Takriff, M.S., Iyuke, S.E.. 2002 Fuel Cell: An Alternative To Standard Sources of Energy, Regional Symposium on Chemical Engineering (RSCE 2002) in conjunction with 16th Symposium of Malaysian Chemical Engineers (SOMChE 2002), 28-30 Oct 2002, Petaling Jaya, Malaysia, 1419 – 1426
10. Rahman, N.A., Daud, W.R.W. & Fisal, Z., 2002 Tuning Optimization on PID Controller for Distillation Column via Simulation, Regional Symposium on Chemical Engineering (RSCE 2002) in conjunction with 16th Symposium of Malaysian Chemical Engineers (SOMChE 2002), 28-30 Oct 2002, Petaling Jaya, Malaysia, 1679 – 1684
11. Kamarudin, S.K. & Daud, W.R.W., 2002 An Overview on the Optimization and Synthesis of Reactor Network, Regional Symposium on Chemical Engineering (RSCE 2002) in conjunction with 16th Symposium of Malaysian Chemical Engineers (SOMChE 2002), 28-30 Oct 2002, Petaling Jaya, Malaysia, 1741 - 1748
12. Taslim, Takriff, M.S. & Daud, W.R.W., 2002 Characterizing Oscillatory Flow Mixing in a Baffled Column with Residence Time Distribution, Regional Symposium on Chemical Engineering (RSCE 2002) in conjunction with 16th Symposium of Malaysian Chemical Engineers (SOMChE 2002), 28-30 Oct 2002, Petaling Jaya, Malaysia, 685 – 692.
13. Law, C.L., Tasirin, S.M. & Daud, W.R.W.. 2002. Drying Rate Gradient as an Indicator for Second Critical Moisture Content in a Drying Process, Regional Symposium on Chemical Engineering (RSCE 2002) in conjunction with 16th Symposium of Malaysian Chemical Engineers (SOMChE 2002), 28-30 Oct 2002. Petaling Jaya, Malaysia, 937-944.
14. Law, C.L., Teoh, B.J., Tasirin, S.M. & Daud, W.R.W.. 2002. Particle Sphericity: Comparison Results from various Sphericity Descriptors. Regional Symposium on Chemical Engineering (RSCE 2002) in conjunction with 16th Symposium of Malaysian Chemical Engineers (SOMChE 2002), 28-30 Oct 2002, Petaling Jaya, Malaysia, 929-936.

**Year 2001:**

1. Lwin, Y., Mohamad, A.B., Yaakob, Z., Daud, W.R.W. 2001. Thermodynamic Analysis of Sorption-Enhanced Catalytic Steam Reforming of Methanol for Hydrogen Production. Bangkok International Conference on Heterogeneous Catalysis (BICC), Bangkok, Thailand, 7-9 January 2001.
2. Sopian, K., Supranto, Othman, M.Y., Daud, W.R.W. & Yatim, B., Performance Of Double-Pass Solar Air Heaters With Integrated Storage System, Regional World Renewable Energy Congress, Sharjah, UAE, 19-22 February 2001.
3. Rahman, N.A., Daud, W.R.W. & Fisal, Z. 2001. Simulation of Binary Distillation Column for Fuzzy Logic Control, RSCE 2001, The Proceedings of the Regional Symposium of Chemical Engineering, 29 – 31 October 2001, Bandung, Indonesia, MO1-1.
4. Daud, W.R.W. 2001. A Novel Short-Cut Design Method for Adsorbers Used in Gas Dryers and Dehumidifiers, ADC 2001 : High Quality Product through Efficient and Environmental Friendly Drying Technology, Proceedings of the 2nd Asian-Oceania Drying Conference, 20 – 22 August 2001, Golden Sands Resort, Batu Feringhi, Pulau Pinang, Malaysia, ms. 115 – 122.
5. Othman, M.Y., Ruslan, M.H., Sopian, K., Yatim, B. & Daud, W.R.W., 2001. Solar Assisted Drying for Chilli ADC 2001 : High Quality Product through Efficient and Environmental Friendly Drying Technology, Proceedings of the 2nd Asian-Oceania Drying Conference, 20 – 22 August 2001, Golden Sands Resort, Batu Feringhi, Pulau Pinang, Malaysia, ms. 355 – 360.
6. Sopian, K., Supranto, Othman, M.Y., Daud, W.R.W. & Yatim, B. 2001. The Cost Effectiveness of a Double-Pass Solar Collector with Porous Media, ADC 2001 : High Quality Product through Efficient and Environmental Friendly Drying Technology, Proceedings of the 2nd Asian-Oceania Drying Conference, 20 – 22 August 2001, Golden Sands Resort, Batu Feringhi, Pulau Pinang, Malaysia, ms. 367 – 374.
7. Yahya, M., Sopian, K., Daud, W.R.W., Othman, M.Y., & Yatim, B. 2001. Design of Solar Assisted Dehumidification of Air Drying System, ADC 2001 : High Quality Product through Efficient and Environmental Friendly Drying Technology, Proceedings of the 2nd Asian-Oceania Drying Conference, 20 – 22 August 2001, Golden Sands Resort, Batu Feringhi, Pulau Pinang, Malaysia, ms. 383 – 392.
8. Law, C.L., Tasirin, S.M., Daud, W.R.W. 2001. Batch Drying of Paddy in Rapid Fluidized Bin Dryer, ADC 2001 : High Quality Product through Efficient and Environmental Friendly Drying Technology, Proceedings of the 2nd Asian-Oceania Drying Conference, 20 – 22 August 2001, Golden Sands Resort, Batu Feringhi, Pulau Pinang, Malaysia, ms. 607 – 616.
9. Kyi, T.M., Daud, W.R.W., Kadhum, A.A.H., Mohamad, A.B. & Talib, M.Z.M. 2001. Drying with Chemical Reaction in Cocoa bean Drying, ADC 2001 : High Quality Product through Efficient and Environmental Friendly Drying Technology, Proceedings of the 2nd Asian-Oceania Drying Conference, 20 – 22 August 2001, Golden Sands Resort, Batu Feringhi, Pulau Pinang, Malaysia, ms. 623 – 636.
10. Hasibuan, R. & Daud, W.R.W. 2001. Drying of Fibrous Material Using Impingement of Superheated Steam as Drying Medium, ADC 2001 : High Quality Product through Efficient and Environmental Friendly Drying Technology, Proceedings of the 2nd Asian-Oceania Drying Conference, 20 – 22 August 2001, Golden Sands Resort, Batu Feringhi, Pulau Pinang, Malaysia, ms. 711 – 716.
11. Trisakti, B. & Daud, W.R.W. 2001. Selective Drying of Powders Containing Binary Mixtures, ADC 2001 : High Quality Product through Efficient and Environmental Friendly Drying Technology, Proceedings of the 2nd Asian-Oceania Drying Conference, 20 – 22 August 2001, Golden Sands Resort, Batu Feringhi, Pulau Pinang, Malaysia, ms. 77 – 86.

**Year 2000:**

1. Lwin, Y., Yaakob, Z., Mohamad, A.B. & Daud, W.R.W. 2000. Preparation of Cu-Al Hydrotalcites as Catalyst Precursors, Chemical and Process Engineering Conference, CPEC 2000/Regional Symposium on Chemical Engineering RSCE 2000, 11 – 13th December 2000, Singapore, Paper RE2.4.
2. Husaini, T., Daud, W.R.W. & Kadhum, A.A.H. 2000. Optimisation of Sampling Volatile Organic Compounds, Chemical and Process Engineering Conference, CPEC 2000/Regional Symposium on Chemical Engineering RSCE 2000, 11 – 13th December 2000, Singapore, Paper PDD3.3.
3. Kamaruzzaman, I., Yaakob, Z., Daud, W.R.W., Takriff, M.S. 2000 Adsorption Equilibria & Isosteric Heats of Alkanes on Activated Charcoal and Molecular Seives, Chemical and Process Engineering Conference, CPEC 2000/Regional Symposium on Chemical Engineering RSCE 2000, 11 – 13th December 2000, Singapore, Paper ET2.3.
4. Iyuke, S.E. & Daud, W.R.W. 2000. Identification and Estimation of Dispersion Parameter from Adsorption Models and Experiments in Pressure Swing Adsorption. Chemical and Process Engineering Conference, CPEC 2000/Regional Symposium on Chemical Engineering RSCE 2000, 11 – 13th December 2000, Singapore, Paper PDD5.2
5. Iyuke, S.E., Mohamad, A.B. & Daud, W.R.W. 2000 Synthesised Tin-Activated Carbon Adsorbent for Purer and Cheaper Hydrogen: Part 1, Chemical and Process Engineering Conference, CPEC 2000/Regional Symposium on Chemical Engineering RSCE 2000, 11 – 13th December 2000, Singapore, Paper SP2.1.
6. Majlan, E.H., Yaakob, Z., Daud, W.R.W. & Takriff, M.S. 2000 Effect of Concentration on Adsorbent and Adsorption Process of VOC using Thermal Swing Adsorption Chemical and Process Engineering Conference, CPEC 2000/Regional Symposium on Chemical Engineering RSCE 2000, 11 – 13th December 2000, Singapore, Paper SP4.3.
7. Kadhum, A.A.H., Mohamad, A.B., Daud, W.R.W. & Ali, E.N. 2000. An Investigation on the Efficiency of Coconut Shell Activated Carbon as an Adsorbent for the Volatile Organic Compounds in Ambient Air in Malaysia, Chemical and Process Engineering Conference, CPEC 2000/Regional Symposium on Chemical Engineering RSCE 2000, 11 – 13th December 2000, Singapore, Paper SPP4.4.
8. Sopian, K., Supranto, Othman, M.Y., Daud, W.R.W. & Yatim, B., Theoretical and Experimental Investigations into the Performance of a Double-Pass Solar Collector with Porous Media, Proceedings of the in the First International Energy Conference, May 7 - 9, 2000, UAE University, College of Engineering, Al-Ains, United Arab Emirates
9. Daud, W.R.W. & Talib, M.Z.M.. 2000. Drum Dryer Model, The Proceedings of the 12th International Drying Symposium, IDS 2000, 28th – 31st Ogos 2000, Noordwijkerhout, The Netherlands, Paper no. 196
10. Ruslan, M.H., Daud, W.R.W., Othman, M.Y., Yatim, B., & Sopian, K. 2000. Solar Assisted Drying Of Chilli Using A V-Grooved Solar Collector, The Proceedings of the 12th International Drying Symposium, IDS 2000, 28th – 31st Ogos 2000, Noordwijkerhout, The Netherlands, Paper no. 197
11. Supranto, Sopian, K., Daud, W.R.W., Othman, M.Y. & Yatim, B. 2000. Auxiliary Energy Requirement Of A Solar-Assisted Dryer Using A Double-Pass Solar Collector With Porous Media, The Proceedings of the 12th International Drying Symposium, IDS 2000, 28th – 31st Ogos 2000, Noordwijkerhout, The Netherlands, Paper no. 198
12. Sopranto, Daud, W.R.W., Sopian, K., Othman, M.Y. & Yatim, B. 2000. Drying Kinetics of Oil Palm Fronds The Proceedings of the 12th International Drying Symposium, IDS 2000, 28th – 31st Ogos 2000, Noordwijkerhout, The Netherlands, Paper no. 199
13. Yahya, M., Daud, W.R.W., Ali, Y. 2000. Drying Curves Of Some Tropical Agricultural Crops Of Small Holding Farms. The Proceedings of the 12th International Drying Symposium, IDS 2000, 28th – 31st Ogos 2000, Noordwijkerhout, The Netherlands, Paper no. 200
14. Sopian, K., Daud, W.R.W., Shamsuddin, A.H. & Sutarno 2000. Performance of a Solar Hydrogen Production System, The Proceeding of the 2nd International Conference on Staretgic Technologies, ICAST 2000, Putrajaya, Selangor, Malaysia, 15 – 17hb Ogos 2000, Vol. II, ms. 1099 – 1106.
15. Yeoh, H.K., Kadhum, A.A.H. & Daud, W.R.W.. 2000. Predicting Light Excitability of Molecules in Photocatalyst Development: Model vs. Reality, The Proceeding of the 2nd International Conference on Staretgic Technologies, ICAST 2000, Putrajaya, Selangor, Malaysia, 15 – 17hb Ogos 2000, Vol. II, ms. 1107 –1118.
16. Iyuke, S.E. Mohamad, A.B. & Daud, W.R.W. 2000. Adsorption Equilibria of CO Gas in PSA System, The Proceeding of the 2nd International Conference on Staretgic Technologies, ICAST 2000, Putrajaya, Selangor, Malaysia, 15 – 17hb Ogos 2000, Vol. I, ms. 413 – 422.
17. Majlan, E.H., Yaakob, Z., Daud, W.R.W. & Takriff, M.S. 2000. Effect of Concentration on Adsorption Process of VOC using Thermal Swing Adsorption System, The Proceeding of the 2nd International Conference on Staretgic Technologies , ICAST 2000, Putrajaya, Selangor, Malaysia, 15 – 17hb Ogos 2000, Vol. II, ms. 1233 –1240.
18. Kamaruzaman, I., Yaakob, Z., Daud, W.R.W., Takriff, M.S. 2000. Description of Adsorption of Methane Equilibria, The Proceeding of the 2nd International Conference on Staretgic Technologies , ICAST 2000, Putrajaya, Selangor, Malaysia, 15 – 17hb Ogos 2000, Vol. I, ms. 881 –890.
19. Ali, E.N., Kadhum, A.A.H., Mohamad, A.B. & Daud, W.R.W. 2000. Development of Analytical Method for the Volatile Organic Compounds in Ambient Air in Malaysia, The Proceeding of the 2nd International Conference on Staretgic Technologies , ICAST 2000, Putrajaya, Selangor, Malaysia, 15 – 17hb Ogos 2000, Vol. II, ms.1303 –1312.
20. Husaini, T., Daud, W.R.W. & Kadhum, A.A.H. 2000. Air Pollution Modelling in Kelang Valley Area, The Proceeding of the 2nd International Conference on Staretgic Technologies , ICAST 2000, Putrajaya, Selangor, Malaysia, 15 – 17hb Ogos 2000, Vol. II, 1325 – 1332
21. Othman, M.Y.H., Sopian, K., Yatim, B. & Daud, W.R.W. 2000. Solar Drying Technology for Agricultural Produce, World Renewable Energy Congress VI (WREC 2000), 1 –7 July 2000, Brighton, UK, Part II, ms. 922 – 927.

**Year 1999:**

1. Takriff, M.S., Daud, W.R.W., Fisal, Z. & Alam, M.Z. 1999, Hydrodynamics investigation of multiphase oscillatory flow in a baffled tube, Proceeding of Regional Symposium on Chemical Engineering 1999, Songkla, Thailand, ms. B55-1 – B55-7.
2. Kamaruzaman, I., Yaakob, Z., Daud, W.R.W., Takriff, M.S. 1999. Adsorption Equilibrium Models for Pure Volatile Organic Compounds on Activated Charcoal Proceeding of Regional Symposium on Chemical Engineering 1999, Songkla, Thailand, ms. P-Ads.-45-1 – P-Ads.-45 –7.
3. Supranto, Daud, W.R.W. , Sopian, K., Yatim, B. & Othman, M.Y.. 1999 Drying Curves of Oil Palm Fronds, The First Asian-Australian Drying Conference, Bali, Indonesia, 24 - 27 October 1999.
4. Supranto, Sopian, K., Daud, W.R.W., Yatim, B. & Othman, M.Y.. 1999 Performance of a Solar Assisted Dryer for Oil Palm Fronds, The First Asian-Australian Drying Conference, Bali, Indonesia, 24 - 27 October 1999.
5. Daud, W.R.W., Ibrahim, M.H., Talib, M.Z.M., 1999 Parameter Estimation of Distributed and Lumped Parameters Drying Kinetic Models, The First Asian-Australian Drying Conference, Bali, Indonesia, 24 - 27 October 1999.
6. Iyuke, S.E., Daud, W.R.W., Mohamad, A.B., Kadhum, A.A.H. & Fisal, Z., 1999. The Design of Proton Exchange Membrane Fuel Cell, World Renewable Energy Congress '99 Malaysia, Kuala Lumpur, 8 - 11 June 1999.
7. Sutarno, Sopian, K., Shamsuddin, A.H. & Daud, W.R.W. 1999. Cost Optimisation of Solar Photovoltaic Hydrogen Production System, World Renewable Energy Congress '99 Malaysia, Kuala Lumpur, 8 - 11 June 1999.
8. Sutarno, Sopian, K., Shamsuddin, A.H. & Daud, W.R.W. 1999. Preliminary Result of Solar Photocoltaic Hydrogen Production System, World Renewable Energy Congress '99 Malaysia, Kuala Lumpur, 8 - 11 June 1999.
9. Chebbi, R., Daud, W.R.W., Mohamad, A.B., & Kadhum, A.A.H. 1999. Effects of Diffusion Layer (PTFE-C) on Low Pt Loading Electrode for PEMFC. World Renewable Energy Congress '99 Malaysia, Kuala Lumpur, 8 - 11 June 1999.
10. Supranto, Sopian, K., Daud, W.R.W., Yatim, B. & Othman, M.Y. 1999, Dresign of a Low Cost Solar Simulator, World Renewable Energy Congress '99 Malaysia, Kuala Lumpur, 8 - 11 June 1999.
11. Supranto, Sopian, K., Daud, W.R.W., Yatim, B. & Othman, M.Y. 1999. Performance Characteristic Curves of the Double Pass Solar Collector with Porous Media. World Renewable Energy Congress '99 Malaysia, Kuala Lumpur, 8 - 11 June 1999
12. Supranto, Sopian, K., Daud, W.R.W., Yatim, B. & Othman, M.Y. 1999. Design of a Solar Assisted Drying System Using a Double Pass Solar Collector with Porous Media. World Renewable Energy Congress '99 Malaysia, Kuala Lumpur, 8 - 11 June 1999
13. Kamaruzzaman, I., Yaakob, Z., Daud, W.R.W. & Takriff, M.S. 1999. Comparison of Equilibrium Models for Methane-Ethane-Activated Carbon System, World Engineering Congress, 19 – 22 July 1999, Kuala Lumpur, Chemical and Environmental Engineering ms. 99 – 102
14. Taslim, Takriff, M.S., Daud, W.R.W., Yaakob, Z. 1999. Oscillatory Flow Mixing System, World Engineering Congress, 19 – 22 July 1999, Kuala Lumpur, Chemical and Environmental Engineering, ms. 123 – 128.

**Year 1998:**

1. Supranto, Sopian, K., Daud, W.R.W., Yatim, B. & Othman, M.Y., 1998. Indoor Testing of the Thermal Performance of a Double-Pass Solar Collector with Porous Media, Proceedings of the 5th ASEAN Science and Technology Week Scientific Conference on Non-Conventional Energy Research, Hanoi, Vietnam, 12 - 14 October, 1998, Non-Conventional Energy, ms. 45 – 50.
2. Supranto, Sopian, K., Daud, W.R.W., Othman, M.Y. & Yatim, B., 1998. Design of an Experimental Solar Assisted Dryer for Palm Oil Fronds, World Renewable Energy Congress V, 20 - 25 September 1998, Florence Italy
3. Daud, W.R.W., Ibrahim, M.H. & Talib, M.Z.M., 1998. Parameter Estimation of Luikov's Drying Equation, Drying '98, The 11th International Drying Symposium, Halkidiki, Greece, 19 - 22 August 1998, Vol. A, pp. 150-159.
4. Daud, W.R.W., Ibrahim, M.H. & Talib, M.Z.M., 1998.Simulation of Two Layer Drying Model for Cocoa Bean, Drying '98, The 11th International Drying Symposium, Halkidiki, Greece, 19 - 22 August 1998, Vol. A, pp.375-382.

**Year 1997:**

1. Takriff, M.S., Daud, W.R.W., Mushrab, M.H. 1997. Gas Holdup in Gas-Liquid Oscillatory Flow in a Baffled Tube, Regional Symposium on Chemical Engineering, Johor Baharu, Malaysia, 13th - 15th October 1997, Vol. 2, pp. 40-44
2. Daud, W.R.W., Takriff, M.S., & Ahmad, N.. 1997. Simulation of Oscillatory Flow in Baffled Tubes. Regional Symposium on Chemical Engineering, Johor Baharu, Malaysia, 13th - 15th October 1997, Vol. 2, pp. 440-44
3. Daud, W.R.W., Myint, S., Mohamad, A.B. & Kadhum, A.A.H.. 1997. Simulation of Chromatographic Adsorption Column, Regional Symposium on Chemical Engineering, Johor Baharu, Malaysia, 13th - 15th October 1997, Vol. 2, pp. 241-148
4. Shariff, A.M., Iyuke Sunny Esayegbemu, Daud, W.R.W., Mohamad, A.B., Fisal, Z. & Kadhum, A.A.H.. 1997. Using Stage Model to Solve Pressure Swing Adsorption System, Regional Symposium on Chemical Engineering, Johor Baharu, Malaysia, 13th - 15th October 1997, Vol. 2, pp. 289 – 296
5. Kadhum, A.A.H., Daud, W.R.W., Mohamad, A.B., Fisal, Z. & Rasheed, M.H., Alkali Fusion of Malaysian Zircon Sand, Regional Symposium on Chemical Engineering, Johor Baharu, Malaysia, 13th - 15th October 1997 (presented but not published due to late delivery).

**Year 1996:**

1. Daud, W.R.W., Ibrahim, M.H. & Talib, M.Z.M., 1996. Parameter Estimation of Fick’s Law Drying Equation, Drying ‘96, The 10th International Drying Symposium, 30th July - 3 August 1996, Krakow, Poland, 111 - 119.
2. Daud, W.R.W., Sarker, M.N.H., & Talib, M.Z.M., 1996. Characteristic Drying Curves and Desorption Isotherms of Malaysian Paddy, Drying ‘96, The 10th International Drying Symposium, 30th July - 3 August 1996, Krakow, Poland, 897 - 904.

**Year 1995:**

1. Zain, S.M. & Daud, W.R.W., 1995. Bahasa Melayu dalam Sains & Teknologi: Mitos, Kenyataan & Unggulannya (The Malay Language in Science and Technology: Myth, Reality and Idealism, Kongres Bahasa Melayu Sedunia, (World Congress on Malay Language), Kumpulan Kertas Kerja, Vol. II, 503 - 515.
2. Daud, W.R.W., Kadhum, A.A.H., Mohamad, A.B. & Sahari, J., Low Platinum Loaded Electrodes for Solid Polymer Fuel Cell, The 6th ASEAN Conference on Energy Technology, The 4th ASEAN Science and Technology Week, Abstracts & Proceedings, Non-Conventional Energy, 28th - 29th August 1995, Bangkok, 82 –86
3. Myint, S., Daud, W.R.W., Mohamad, A.B. & Kadhum, A.A.H., 1995. HPLC Studies of Eugenol : Mobile Phase System Optimization in the Reversed -Phase Chromatography, First International Conference on Strategic Technologies, ICAST '95, Universiti Kebangsaan Malaysia, 12th to 17th June 1995.
4. Daud, W.R.W., Abdullah, I., & Bakar, B.. 1995. Rheological Characterisation of Natural Rubber/Liquid Natural Rubber/Polypropylene/Low Low Density Polyethylene Blend Melt at 200C, First International Conference on Strategic Technologies, ICAST '95, Universiti Kebangsaan Malaysia, 12th to 17th June 1995
5. Daud, W.R.W., Abdullah, I., & Bakar, B.. 1995. Rheological Characterisation of Natural Rubber/Liquid Natural Rubber/Polypropylene Blend Melt at 200C, First International Conference on Strategic Technologies, ICAST '95, Universiti Kebangsaan Malaysia, 12th to 17th June 1995.
6. Daud, W.R.W., Abdullah, I., & Bakar, B.. 1995. Rheological Characterisation of Natural Rubber/Liquid Natural Rubber/Low Low Density Polyethylene Blend Melt at 200C, First International Conference on Strategic Technologies, ICAST '95, Universiti Kebangsaan Malaysia, 12th to 17th June 1995.
7. Daud, W.R.W., Kadhum, A.A.H., Mohamad, A.B. & Sahari, J., Low Platinum Loading Solid Polymer Fuel Cell, First International Conference on Strategic Technologies, ICAST '95, Universiti Kebangsaan Malaysia, 12th to 17th June 1995.
8. Kadhum, A.A.H., Daud, W.R.W., Mohamad, A.B. & Zakaria, M.N., Carbonization of Coconut Shell, First International Conference on Strategic Technologies, ICAST '95, Universiti Kebangsaan Malaysia, 12th to 17th June 1995.
9. Daud, W.R.W., Ibrahim, M.H., & Talib, M.Z.M. 1995. Drying Kinetic Models: Van Meel's Characteristic Drying Function Model versus Luikov's Diffusion-like Continuum Drying Model, First International Conference on Strategic Technologies, ICAST '95, Universiti Kebangsaan Malaysia, 12th to 17th June 1995.

**Year 1994:**

1. Ibrahim, M.H., Daud, W.R.W. & Talib, M.Z.M., 1994. Drying of Oil Palm Kernels, Drying '94, 9th International Drying Symposium, August 1st - 4th 1994, Gold Coast, Queensland, Australia, 1121 - 1128.
2. Daud, W.R.W., Talib, M.Z.M. & Ibrahim, M.H., 1994, Drying of Cocoa Beans, Drying '94, 9th International Drying Symposium, August 1st - 4th 1994, Gold Coast, Queensland, Australia, 1129 - 1135.

**Year 1990:**

1. Daud, W.R.W. 1990, A Model of a Top Loading Drum Dryer, Seventh International Drying Symposium, August 27th - September 1st 1990, Prague, Czechoslovakia

**Year1989:**

1. Ibrahim, M.H. & Daud, W.R.W. 1989, Drying of a Porous Sphere in an Air Stream, Numerical Methods in Thermal Problem, Proc. Sixth International Conference on Numerical Methods in Thermal Problems, July 3rd - July 7th 1989, Swansea, United Kingdom, Swansea: Pineridge Press, Vol. VI, Part 2, pp. 938 – 947.
2. Daud, W.R.W., 1989, Determination of the Thickness of Film of Drying Material in a Top Loading Dryer, Drying '89, Hemisphere Publishing Corporation, pp. 496 - 500.

**Year 1988:**

1. Jumari, K., Daud, W.R.W. & Mydin, A.M., 1988, A Microcomputer Based Process Control System, Proc. Regional Seminar on Process Control, pp. 172-194, 28-29 November 1988, Putra World Trade Centre, Kuala Lumpur.
2. Daud, W.R.W., 1988, Determination of the Characteristic Drying Curves of Agricultural Materials Using a Low Wind Speed Wind Tunnel, Proc. Regional Seminar on Postharvest Technology and Equipment, pp. III.7.1-III.7.12, 16-18 November 1988, Guangzhou, China.
3. Daud, W.R.W., 1988, Non-Ideal Flow Model of a Top Loading Drum Dryer, Proc. Sixth International Drying Symposium, Vol. 2, pp. PA.77-PA.86, 5-8 September 1988, Versailles, France.
4. Daud, W.R.W., 1988, Theoretical Determination of the Thickness of Film of Drying Material in a Top Loading Dryer, Proc. Sixth International Drying Symposium, pp. PA.87-PA.91, Vol. 2, 5-8 September 1988, Versailles, France.

**Year 1987:**

1. Daud, W.R.W. & Armstrong, W.D., 1987, Pilot Plant Study of the Drum Dryer, Drying '87, Hemisphere Publishing Corporation, 101-108.

## Articles in Proceedings of National Conferences

**Year 2015:**

1. Daud, W.R.W. 2015. Carbon-neutral chemical engineering. The 28th Symposium of Malaysian Chemical Engineers (SOMCHE2015) 21-22 October 2015, Putrajaya, Malaysia.
2. Almahdi A. Alhwaigea, Ishida, H., Tasirin, S.M., Daud, W.R.W. and Qutubuddin, S. 2015 Nitrogen-rich polybenzoxazine aerogel for CO2 adsorption. The 28th Symposium of Malaysian Chemical Engineers (SOMCHE2015) 21-22 October 2015, Putrajaya, Malaysia.
3. Wafi, N.I.B., Daud, W.R.W., Majlan , E.H., Somalu, M.R. and Ahmad, A. 2015 Application of poly (2- hydroxyethyl methacrylate) gel electrolyte in electrochemical device: a review The 28th Symposium of Malaysian Chemical Engineers (SOMCHE2015) 21-22 October 2015, Putrajaya, Malaysia
4. Karim, N.A., Kamarudin, S.K., Loh, K.S., Yaakob, Z., Daud, W.R.W. and Khadum, A.A.H. 2015. Non-platinum catalyst for single cell DMFC. The 28th Symposium of Malaysian Chemical Engineers (SOMCHE2015) 21-22 October 2015, Putrajaya, Malaysia
5. Ismail, A, Kamarudin, S.K., Daud, W.R.W., Masdar, M.S. and Hasran, U.A. 2015. Model development of direct methanol fuel cell for stacking application. The 28th Symposium of Malaysian Chemical Engineers (SOMCHE2015) 21-22 October 2015, Putrajaya, Malaysia.
6. Daud, S.M., Kim, B.H., Daud, W.R.W., Lim, S.S., Ghasemi, M., Jahim, J.M., Muchtar, A., Somalu, M.R. 2015 Ceramic membrane as a separator comparing with CEM in microbial fuel cell. The 28th Symposium of Malaysian Chemical Engineers (SOMCHE2015) 21-22 October 2015, Putrajaya, Malaysia
7. Lim, B.H., Majlan, E.H. Daud, W.R.W., Rosli, M.I. and Husaini T. 2015. Effects of flow configuration in a PEMFC stack: A review. The 28th Symposium of Malaysian Chemical Engineers (SOMCHE2015) 21-22 October 2015, Putrajaya, Malaysia
8. Sulaiman, N., Hannan, M.A., Mohamed, A., Majlan, E.H. and Daud, W.R.W. 2015 Simulation of energy management system for a fuel cell hybrid electric vehicle. The 28th Symposium of Malaysian Chemical Engineers (SOMCHE2015) 21-22 October 2015, Putrajaya, Malaysia
9. Jafary, T., Daud, W.R.W., Ghasemi, M. and Kim, B.H., Jahim, J. M. and Ismail, M. 2015 A review on biohydrogen production in biocathode microbial electrolysis cell. The 28th Symposium of Malaysian Chemical Engineers (SOMCHE2015) 21-22 October 2015, Putrajaya, Malaysia
10. N Sulaiman, MA Hannan, A Mohamed, EH Majlan, WR Wan Daud 2015. Simulation of Energy Management System for a Fuel Cell Hybrid Electric Vehicle 28th Symposium of Malaysian Chemical Engineers 2015 (SOMChE 2015), 21-22 October 2015, Putrajaya, Malaysia

**Year 2010:**

1. Thiam, H.S., Daud, W.R.W., Mohamad, A.B., Kadhum, A.A.H., Kamarudin, S.K., Loh, K.S. & Majlan, E.H.. 2010. Review: Synthesis Methods of Nanostructure Proton Exchange Membrane for Fuel Cell Application, Symposium on Energy & Green Technology - Hydrgen & Fuel Cell, 24 November 2010, Monash University Sunway Campus.
2. Husaini, Yaakob, Z., Mohammad, A.W. & Daud, W.R.W.. 2010. Hydrogen permeation through PTFE-Nafion composite membrane. Symposium on Energy & Green Technology 2010 (EGT2010); Hydrogen & Fuel Cell. 24 November 2010, Monash University Sunway Campus, Kuala Lumpur, Malaysia.
3. Ahmad, H., Kamarudin, S.K., Hasran, U.A. & Daud, W.R.W.. 2010 Conductivity and Water uptake rate of hybrid nafion/ polybenzimidazole/ zirconium phosphate membrane for DMFC application, Symposium on Energy & Green Technology 2010 (EGT2010); Hydrogen & Fuel Cell. 24 November 2010, Monash University Sunway Campus, Kuala Lumpur, Malaysia.
4. Basri, S., Kamarudin, S.K., Daud, W.R.W. &, Yaakob, Z. 2010. Kinetic reaction study of nanocatalyst based on molecular dynami, Symposium on Energy & Green Technology 2010 (EGT2010); Hydrogen & Fuel Cell. 24 November 2010, Monash University Sunway Campus, Kuala Lumpur, Malaysia.c
5. Kurniawan, M., Daud, W.R.W. & Majlan, E.H. Madjlan. 2010. The assembly pressure effect on the fuel cell, Symposium on Energy & Green Technology 2010 (EGT2010); Hydrogen & Fuel Cell. 24 November 2010, Monash University Sunway Campus, Kuala Lumpur, Malaysia.
6. Fauzie, A., Kamarudin, S.K., Daud, W.R.W. & Edi Herianto1. 2010. Study on DMFC passive system for mobile phone charger, Symposium on Energy & Green Technology 2010 (EGT2010); Hydrogen & Fuel Cell. 24 November 2010, Monash University Sunway Campus, Kuala Lumpur, Malaysia.
7. Memar, A., Daud, W.R.W., Minggu, L.J. & Kassim, M. 2010. Recent advances of photo-electrodes for photoelectrochemical water splitting, Symposium on Energy & Green Technology 2010 (EGT2010); Hydrogen & Fuel Cell. 24 November 2010, Monash University Sunway Campus, Kuala Lumpur, Malaysia.
8. Iswandi, Sahari, J. & Sulong, A.B.. 2010. Polymer matrix composite for injection molded bipolar plate in proton exchange membrane fuel cell (PEMFC): overview on material selection, Symposium on Energy & Green Technology 2010 (EGT2010); Hydrogen & Fuel Cell. 24 November 2010, Monash University Sunway Campus, Kuala Lumpur, Malaysia.

**Year 2009:**

1. Misran, E., Daud, W.R.W. & Majlan, E.H.. 2009. Review on serpentine flow field design and its effects on PEMFC performance. Kolokium dan Sanggar Kerja ISF 2009. Institut Sel Fuel, UKM. 18-20 Disember 2009. Hotel Hydro Penang, Malaysia.
2. Mulyazmi, Daud, W.R.W. & Majlan, E.H.. 2009. Tinjauan rekabentuk pada rangkaian sistem sel fuel membran pertukaran proton (PEMFC). Kolokium dan Sanggar Kerja ISF 2009. Institut Sel Fuel, UKM. 18-20 Disember 2009. Hotel Hydro Penang, Malaysia.
3. Kurniawan, M., Daud, W.R.W. & Majlan, E.H.. 2009. Stress analysis of proton exchange membrane fuel cell using finite element method: A review. Kolokium dan Sanggar Kerja ISF 2009. Institut Sel Fuel, UKM. 18-20 Disember 2009. Hotel Hydro Penang, Malaysia.
4. T. Husaini, Daud, W.R.W., Muhammad, A.W. & Yaakob, Z.. 2009. Membrane reactor for hydrogen modelling. Abstrak Pascasidang Bengkel Penulisan Manuskrip Jurnal dan Tesis. p.1. Institut Sel Fuel, UKM. 18-19 April 2009. Dewan D’Tasik, Hotel Residence, UNITEN, Serdang.
5. Misran, E., Mulyazmi, Daud, W.R.W. & Majlan, E.H.. 2009. Review modelling of water and thermal management for PEM fuel cell system. Abstrak Pascasidang Bengkel Penulisan Manuskrip Jurnal dan Tesis. p.2. Institut Sel Fuel, UKM. 18-19 April 2009. Dewan D’Tasik, Hotel Residence, UNITEN, Serdang.
6. Misran, E., Daud, W.R.W. & Majlan, E.H.. 2009. Review Mulyazmi, Daud, W.R.W. & Majlan, E.H.. 2009. Review of proton exchange membrane (PEM) fuel cell system. Proceeding of the Graduate Publication Workshop 2009. p. 87-88. Fakulti Kejuruteraan dan Alam Bina, UKM. 30-31 Mac 2009. The Residence Hotel, UNITEN, Serdang.
7. Misran, E., Daud, W.R.W. & Majlan, E.H.. 2009. Review pengubahsuaian pada membran dan elektrod resapan gas pada sistem PEMFC bagi usaha pengembangan kaedah self-humidification. Prosiding Seminar dan Pameran Sel Fuel 2009: Peluang, Cabaran dan Perkembangan Penyelidikan Sel Fuel di UKM Jilid II. Institut Sel Fuel, UKM. 25-26 Mac 2009. Palace of the Golden Horses, Serdang.
8. Mulyazmi, Daud, W.R.W. & Majlan, E.H.. 2009. Reka bentuk sistem polimer sel bahan api membran elektrolit polimer (PEMFC). Prosiding Seminar dan Pameran Sel Fuel 2009: Peluang, Cabaran dan Perkembangan Penyelidikan Sel Fuel di UKM Jilid II. p. 8-14. Institut Sel Fuel, UKM. 25-26 Mac 2009. Palace of the Golden Horses, Serdang.
9. Ahmad, H., Kamarudin, S.K., Hasran, U.A. & Daud, W.R.W. 2009. Membran hibrid sebagai membran pengalir proton dalam operasi sel bahan api metanol langsung (DMFC). Kolokium dan Sanggar Kerja ISF 2009. Institut Sel Fuel, UKM. 18-20 Disember 2009. Hotel Hydro Penang, Malaysia.
10. Hashim, N., Kamarudin, S.K., Daud, W.R.W. & Ahmad, M.M.. 2009. DMFC stacking: design and performance. Kolokium dan Sanggar Kerja ISF 2009. Institut Sel Fuel, UKM. 18-20 Disember 2009. Hotel Hydro Penang, Malaysia.
11. Fauzie, A., Hashim, N., Kamarudin, S.K.,Daud, W.R.W. & Majlan, E.H.. 2009. Influence of hot pressing condition (pressure, time and temperature) in fabricating direct methanol fuel cell membrane electrode assembly. Kolokium dan Sanggar Kerja ISF 2009. Institut Sel Fuel, UKM. 18-20 Disember 2009. Hotel Hydro Penang, Malaysia.
12. Kamarudin, S.K., Daud, W.R.W., B.Y. Majlis, Mohamad, A.B., Kadhum, A.A.H. & Hasran, U.A.. 2009. Filling of a vertical capillary channel: assumption, validation and modeling. Kolokium dan Sanggar Kerja ISF 2009. Institut Sel Fuel, UKM. 18-20 Disember 2009. Hotel Hydro Penang, Malaysia.
13. Fauzie, A., Kamarudin, S.K., Daud, W.R.W. & Majlan, E.H.. 2009. Influence of thickness on 25 cm2 direct methanol fuel cell influence of methanol concentration, orientation and membrane. Prosiding Regional Engineering Postgraduate Conference (EPC) 2009. 20-21 Oktober 2009. Putrajaya, Malaysia.
14. Hasran, U.A., Kamarudin, S.K., Daud, W.R.W. & Burhanuddin, Y.M.. 2009. Micro-machining of silicon wafer by laser direct etching. Nanotech Malaysia 2009. 27-29 Oktober 2009.
15. Hasran, U.A., Kamarudin, S.K., Daud, W.R.W. & Burhanuddin, Y.M.. 2009. The role of laser direct etch and chemical etch in fabricating a capillary hole. Nanotech Malaysia 2009. 27-29 Oktober 2009.
16. Fauzie, A., Kamarudin, S.K., Daud, W.R.W. & Majlan, E.H.. 2009. Performance of passive single stack 25 cm2 active area polymethylmethacrylate (PMMA) based DMFC. Buku Abstrak Pascasidang Bengkel Penulisan Manuskrip Jurnal dan Tesis. 18-19 April 2009. Residence Hotel, UNITEN, Serdang, Malaysia.
17. Basri, S., Kamarudin, S.K., Daud, W.R.W., Yaakob, Z., Ahmad, M.M.. 2009. Pembangunan model tidak mantap bagi sistem sel fuel metanil langsung (SFML) pasif (unsteady state modeling on passive liquid feed direct methanol fuel cell (DMFC). Buku Abstrak Pascasidang Bengkel Penulisan Manuskrip Jurnal dan Tesis. 18-19 April 2009. Residence Hotel, UNITEN, Serdang, Malaysia.
18. Ahmad, M.M., Kamarudin, S.K., Daud, W.R.W. & Yaakob, Z.. 2009. Penghasilan kuasa yang tinggi oleh sistem pasif MDMFC dengan penggunaan muatan mangkin yang rendah untuk penjanaan peralatan berkuasa kecil. Buku Abstrak Pascasidang Bengkel Penulisan Manuskrip Jurnal dan Tesis. 18-19 April 2009. Residence Hotel, UNITEN, Serdang, Malaysia.
19. Hasran, U.A.., S. K. Kamarudin, Daud, W.R.W., Mohamad, A.B., Kadhum, A.A.H. & B.Y. Majlis. 2009. Overview of the mechanistic modelling approach for direct methanol fuel cell. Buku Abstrak Pascasidang Bengkel Penulisan Manuskrip Jurnal dan Tesis. 18-19 April 2009. Residence Hotel, UNITEN, Serdang, Malaysia.
20. Hashim, N., S. K. Kamarudin, Daud, W.R.W. & Yaakob, Z.. 2009. Rekabentuk, fabrikasi dan pengjian stek multi-sel dan sel tunggal sel feul pasif mikro metanol langsung dengan binaan asas PMMA. Buku Abstrak Pascasidang Bengkel Penulisan Manuskrip Jurnal dan Tesis. 18-19 April 2009. Residence Hotel, UNITEN, Serdang, Malaysia.
21. Ahmad, H., Kamarudin, S.K., U. A. Hasran & Daud, W.R.W.. 2009. Review paper of hybrid membrane for DMFC application. Buku Abstrak Pascasidang Bengkel Penulisan Manuskrip Jurnal dan Tesis. 18-19 April 2009. Residence Hotel, UNITEN, Serdang, Malaysia.
22. Fauzie, A., Kamarudin, S.K., Daud, W.R.W. & Majlan, E.H.. 2009. Review miniatur DMFC untuk komputer riba. Prosiding Seminar dan Pameran Sel Fuel: Peluang, Cabaran dan Perkembangan Penyelidikan Sel Fuel di UKM Jilid II. ISBN 9789834-43492. 25-26 Mac 2009. Palace of the Golden Horses, Serdang, Malaysia.
23. Ahmad, H., Kamarudin, S.K., Hasran, U.A. & Daud, W.R.W. 2009. Membran hibrid sebagi membran pengalir proton dalam operasi sel bahan api metanol langsung (DMFC). Prosiding Seminar dan Pameran Sel Fuel: Peluang, Cabaran dan Perkembangan Penyelidikan Sel Fuel di UKM Jilid II. ISBN 9789834-43492. 25-26 Mac 2009. Palace of the Golden Horses, Serdang, Malaysia.
24. Basri, S., Kamarudin, S.K. & Daud, W.R.W. 2009. μSFUKM-design advisor tool for Direct Methanol Fuel Cell (DMFC) applications. Seminar Fakulti Kejuruteraan dan Alam Bina. 31 Januari 2009.
25. Ahmad, M.M., Kamarudin, S.K. & Daud, W.R.W. 2009. Performance of Direct Methanol Fuel Cell (DMFC) for portable applications. Seminar Fakulti Kejuruteraan dan Alam Bina. 31 Januari 2009.
26. Raharjo, J., Daud, W.R.W., Muhamad, N., Muchtar, A. & Majlan, E.H.. 2009. Pembuatan butang sel elektrolit berasaskan komposit SDC-(Li/Na)2CO3 untuk sel fuel oksida pepejal bersuhu sederhana/ rendah. Prosiding Kolokium dan Sanggar Kerja ISF 2009. Institut Sel Fuel, UKM. 18-20 Disember 2009. Hotel Hydro Penang, Malaysia.
27. Dedikarni, Muchtar, A., Muhamad, N. & Daud, W.R.W.. 2009. Kesan pengulangan salutan Ag2O3-Bi2O3 terhadap keliangan katod. Prosiding Kolokium dan Sanggar Kerja ISF 2009. Institut Sel Fuel, UKM. 18-20 Disember 2009. Hotel Hydro Penang, Malaysia.
28. Sastaviana, N., Muchtar, A., Daud, W.R.W., Muhamad, N. & Majlan, E.H.. 2009. Sintesis dan morfologi komposit NiO-SDC sebagai bahan anod sel fuel oksida pejal. Prosiding Kolokium dan Sanggar Kerja ISF 2009. Institut Sel Fuel, UKM. 18-20 Disember 2009. Hotel Hydro Penang, Malaysia.
29. Raharjo, J., Daud, W.R.W., Muhamad, N., Muchtar, A. & Majlan, E.H.. 2009. Development of composite electrolytes based on samarium doped ceria-carbonate for low temperature solid oxide fuel cells. Proceeding of the Graduate Publication Workshop. ISBN 978-983-2982-26-5. 30-31 Mac 2009. Residence Hotel, UNITEN, Serdang, Malaysia.
30. Dedikarni, Muchtar, A., Muhamad, N. & Daud, W.R.W.. 2009. Synthesis and characterisation of δ-Bi2O3 Thin film electrolyte on electrodes by electrophoretic deposition method. Proceeding of the Graduate Publication Workshop. ISBN 978-983-2982-26-5. 30-31 Mac 2009. Residence Hotel, UNITEN, Serdang, Malaysia.
31. Raharjo, J., Daud, W.R.W., Muhamad, N., Muchtar, A. & Majlan, E.H.. 2009. Pencirian sifat mikrostruktur komposit elektrolit berasaskan ceria-carbonat pada kandungan yang berbeza untuk sel fuel oksida pepejal. Prosiding Seminar dan Pameran Sel Fuel: Peluang, Cabaran dan Perkembangan Penyelidikan Sel Fuel di UKM Jilid II. ISBN 9789834-43492. 25-26 Mac 2009. Palace of the Golden Horses, Serdang, Malaysia.
32. Dedikarni, Muchtar, A., Muhamad, N. & Daud, W.R.W.. 2009. sintesis elektrolit filem nipis δ- bi2o3 di atas elektrod menggunakan kaedah pengendapan elektroporesis. Prosiding Seminar dan Pameran Sel Fuel: Peluang, Cabaran dan Perkembangan Penyelidikan Sel Fuel di UKM Jilid II. ISBN 9789834-43492. 25-26 Mac 2009. Palace of the Golden Horses, Serdang, Malaysia.
33. Kazemian, H., Daud, W.R.W., Yaakob, Z., Torkaman, R., Ahmadi, M. & Alinejad, M.M.. 2009. Controled synthesis of ultrathin zeolite membrane on nanoporous anodic alumina (Npaa) substrate. Proceeding of 25th Regional Conference on Solid State Science and Technology 2009 RCSSST '09: Solid State Science and Technology for Scientific Advancement. 21-23 Disember 2009. Penang, Malaysia.
34. Shahgaldi, S., Yaakob, Z., Moradi, S., Nevis, M.G. & Daud, W.R.W.. 2009. Growth of aligned carbon nanowalls and carbon nanotubes on glass substrate at atmospheric pressure through the thermal chemical vapor deposition method. Proceeding of 25th Regional Conference on Solid State Science and Technology 2009 RCSSST '09: Solid State Science and Technology for Scientific Advancement. 21-23 Disember 2009. Penang, Malaysia.
35. Hakim, L., Yaakob, Z., Ismail, M. & Daud, W.R.W. 2009. Production of hydrogen via glycerol steam reforming on Ni loaded hydroxyapatite as biomaterial catalysts. Kolokium dan Sanggar Kerja ISF 2009. Institut Sel Fuel, UKM. 18-20 Disember 2009. Hotel Hydro Penang, Malaysia.
36. Sari, R., Yaakob, Z. & Daud, W.R.W. 2009. Hydrogen production from methanol steam reforming in palladium-silver membrane reactor. Kolokium dan Sanggar Kerja ISF 2009. Institut Sel Fuel, UKM. 18-20 Disember 2009. Hotel Hydro Penang, Malaysia.
37. Shahgaldi, S., Yaakob, Z. & Daud, W.R.W.. 2009. Investigation of hydrogen storage in nanomaterials. Kolokium dan Sanggar Kerja ISF 2009. Institut Sel Fuel, UKM. 18-20 Disember 2009. Hotel Hydro Penang, Malaysia.
38. Shahgaldi, S., Yaakob, Z., Moradi, S., Nevis, M.G. & Daud, W.R.W.. 2009. Effect of two layers metallic thin films on growth of carbon nanowalls by TCVD. Nanotech Malaysia 2009. 27-29 Oktober 2009. KLCC Malaysia.
39. Kazemian, H., Daud, W.R.W. & Yaakob, Z.. 2009. Health and environmental concerns of nanomaterials. Nanotech Malaysia 2009. 27-29 Oktober 2009. KLCC Malaysia.
40. Kazemian, H., Daud, W.R.W., Yaakob, Z. & Jafari, S.. 2009. Gold nano particles supported on rare earth modified FAU zeolites: A high performance novel catalyst for CO oxidation. Nanotech Malaysia 2009. 27-29 Oktober 2009. KLCC Malaysia.
41. Minggu, L.J., Daud, W.R.W. & Kassim, M.. 2009. Morphology of WO3 film prepared by different methods. Kolokium dan Sanggar Kerja ISF 2009. Institut Sel Fuel, UKM. 18-20 Disember 2009. Hotel Hydro Penang, Malaysia.
42. Arifin, K., Daud, W.R.W. & Kassim, M.. 2009. DFT study on Tris{1,2-Bis(3,5-Dimethoxylphenyl)-1,2-Ethyleno Dithiolenic-S,S’}Tungsten. Kolokium dan Sanggar Kerja ISF 2009. Institut Sel Fuel, UKM. 18-20 Disember 2009. Hotel Hydro Penang, Malaysia.
43. Milad, A.M.H., Kassim, M. & Daud, W.R.W. 2009. Photoelectrochemical water splitting for hydrogen production using nanotube metal oxide as photoelectrode. Kolokium dan Sanggar Kerja ISF 2009. Institut Sel Fuel, UKM. 18-20 Disember 2009. Hotel Hydro Penang, Malaysia.
44. Minggu, L.J., Daud, W.R.W. & Kassim, M.. 2009. Introduction to photoelectrochemical water splitting for hydrogen production. Prosiding Seminar dan Pameran Sel Fuel: Peluang, Cabaran dan Perkembangan Penyelidikan Sel Fuel di UKM Jilid II. ISBN 9789834-43492. 25-26 Mac 2009. Palace of the Golden Horses, Serdang, Malaysia.
45. Arifin, K., Daud, W.R.W., & Kassim, M.. 2009. Bahan pewarna pemeka sel fotoelektrokimia untuk penghasilan hidrogen daripada air. Prosiding Seminar dan Pameran Sel Fuel: Peluang, Cabaran dan Perkembangan Penyelidikan Sel Fuel di UKM Jilid II. ISBN 9789834-43492. 25-26 Mac 2009. Palace of the Golden Horses, Serdang, Malaysia.
46. Minggu, L.J., Daud, W.R.W. & Kassim, M.. 2009. Overview of various photocells for photoelectrochemical water splitting study. Seminar Pemantauan Separuh Penggal dan Bengkel Penulisan Kumpulan Hidrogen Suria. ISBN : 978-983-44349-4-6. 15-18 Oktober 2009. Corus Paradise, Port Dickson, Malaysia.
47. Arifin, K., Daud, W.R.W., Rahman, F.H., Yamin, B.M., Daik, R. & Kassim, M.. 2009. Tris{1,2-Bis(3,5-Dimethoxyphenyl)-1,2-Ethylenodithiolenic-S,S’}Tungsten: Synthesis, structure, electrochemistry and photostability study. Seminar Pemantauan Separuh Penggal dan Bengkel Penulisan Kumpulan Hidrogen Suria. ISBN : 978-983-44349-4-6. 15-18 Oktober 2009. Corus Paradise, Port Dickson, Malaysia.
48. Arifin, K., Minggu, L.J., Daud, W.R.W., Kassim, M. & Yamin, B.M. 2009. Crystal structure and DFT studies of Tris{1,2-Bis(3,5-Dimethoxylphenyl)-1,2-Ethylenodithiolenic-S,S’}Tungsten. Seminar Pemantauan Separuh Penggal dan Bengkel Penulisan Kumpulan Hidrogen Suria. ISBN : 978-983-44349-4-6. 15-18 Oktober 2009. Corus Paradise, Port Dickson, Malaysia.
49. Milad, A.M.H., Lorna Jeffry, Kassim, M. & Daud, W.R.W. 2009. Doping of semiconductors with C or N2 to photoelectrochemical water splitting. Seminar Pemantauan Separuh Penggal dan Bengkel Penulisan Kumpulan Hidrogen Suria. ISBN : 978-983-44349-4-6. 15-18 Oktober 2009. Corus Paradise, Port Dickson, Malaysia.
50. Esfandarani, T.M., Minggu, L.J., Daud, W.R.W. & Kassim, M.. 2009. Synthesis, characterization and photoelectrochemical study of nanocrystalline Fe2O3/TiO2, Fe2O3/SiO2 and Fe2O3/SiO2/TiO2 composite film electrodes for water splitting. Seminar Pemantauan Separuh Penggal dan Bengkel Penulisan Kumpulan Hidrogen Suria. ISBN : 978-983-44349-4-6. 15-18 Oktober 2009. Corus Paradise, Port Dickson, Malaysia.
51. Esfandarani, T.M., Minggu, L.J., Daud, W.R.W. & Kassim, M.. 2009. Synthesis and characterization of Fe2O3/SiO2/TiO2 composite thin film on different substrate for water splitting. Seminar Pemantauan Separuh Penggal dan Bengkel Penulisan Kumpulan Hidrogen Suria. ISBN : 978-983-44349-4-6. 15-18 Oktober 2009. Corus Paradise, Port Dickson, Malaysia.
52. Eftekhari, E., Minggu, L.J., Kassim, M. & Daud, W.R.W. 2009. Review of deposition method to prepare metal oxide thin film for photoelectrochemical water splitting. Seminar Pemantauan Separuh Penggal dan Bengkel Penulisan Kumpulan Hidrogen Suria. ISBN : 978-983-44349-4-6. 15-18 Oktober 2009. Corus Paradise, Port Dickson, Malaysia.
53. Memar, A., Minggu, L.J., Daud, W.R.W. & Kassim, M.. 2009. Review of different methods of preparation iron oxide photo anode application in water splitting. Seminar Pemantauan Separuh Penggal dan Bengkel Penulisan Kumpulan Hidrogen Suria. ISBN : 978-983-44349-4-6. 15-18 Oktober 2009. Corus Paradise, Port Dickson, Malaysia.
54. Rahman, F.H., Minggu, L.J., Arifin, K., Kassim, M. & Daud, W.R.W. 2009. A Review: Recent development of visible-lightdriven hybrid photoelectrode for water splitting. Seminar Pemantauan Separuh Penggal dan Bengkel Penulisan Kumpulan Hidrogen Suria. ISBN : 978-983-44349-4-6. 15-18 Oktober 2009. Corus Paradise, Port Dickson, Malaysia.
55. Arifin, K., Minggu, L.J., Daik, R., Daud, W.R.W. & Kassim, M.. 2009. Tris(dithiolene) tungsten as dye sensitizers for photocatalytic applications. Proceeding of the Graduate Publication Workshop 2009. p. 53-54. ISBN 978-983-2982-26-5. Fakulti Kejuruteraan dan Alam Bina, UKM. 30-31 Mac 2009. The Residence Hotel, UNITEN, Serdang.

**Year 2008:**

1. Daud, W.R.W. 2008. Teknologi Islam, Bengkel PengIslaman Ilmu ASASI II 2008. 18 Oktober 2008, Jabatan Matematik, Fakulti Sains dan Teknologi, Universiti Putra Malaysia.
2. Daud, W.R.W. 2008. Kimia hijau dalam kerangka teknologi Islam. Bengkel Intensif Pengislaman Sains Siri ke 2: Pengislaman Ekologi dan Pengajian Alam Sekitar -Sejarah, Falsafah dan Perlaksanaan, 10-11 Mei 2008, EIMAS, UKM, Bangi.
3. Husaini, T., Daud, W.R.W., Mohammad, A.W. & Yaakob, Z.. 2008. Modeling of methanol water membrane reactor for hydrogen production. Kolokium dan Sanggar Kerja Institut Sel Fuel UKM I: 1-6, Langkawi, 21-23 November 2008
4. Hosseini, S., Mohamad, A.B., Daud, W.R.W., Abdul Amir Hassan Khadum 2008. Analysis and Modeling of Overpotentials in a Solid Acid Fuel Cell Kolokium Sel Fuel I, Langkawi

**Year 2007:**

1. Minggu, L.J., Daud, W.R.W. & Kassim, M. 2007. Types Of Photoelectrochemical Cells For Hydrogen Production From Water Splitting. 21st Symposium of Malaysian Chemical Engineers, Universiti Putra Malaysia, 12-14 Disember 2007, Paper no. ET013.
2. Nordin, M.F.M., Daud, W.R.W., Talib, M.Z.M., Hassan, O.. 2007. Pengeringan Buah Mata Naga Merah (Hylocereus undatus) Menggunakan Pengering Gelombang Mikro. Prosiding Seminar Penyelidikan Siswazah 2007, pp 69 – 75.
3. Hasran, U.A., Kamarudin, S.K., Daud, W.R.W., Burhanuddin, Y.M., Mohamad, A.B., Kadhum, A.A.H. 2007. Prestasi & Ulasan Perbandingan Model Mikrosel Bahan Api Metanol Sistem Langsung (DMFC). SPS2007, ESSET, Bangi. 99 – 103.
4. Hasran, U. A., Kamarudin, S. K., Daud, W. R. W., Ramli, S., Hashim, N., Ahmad, M.S.M., Basri, S. 2007. OCV Study on the Performance of a Micro Direct Methanol Fuel Cell. International Networking for Young Scientists in Renewable Energy Technology (INYSRE). Puri Pujangga, Universiti Kebangsaan Malaysia.

**Year 2006:**

1. Jajaei, S.M., Daud, W.R.W., Zakaria, Z., Kadhum, A.A.H., Markom, M. 2006. Optimization of Supercritical CO2 Extraction of Essential Oil from Herbs, Seminar Penyelidikan Siswazah, UKM, 29-30 August 2006, ms 85- 87

**Year 2005:**

1. Jajaei, S.M., Daud, W.R.W., Kadhum, A.A.H., Markom, M. 2005 Extraction of Essential oil from Melaleuca sp. Using Supercritical Fluid Method, Seminar Penyelidikan Siswazah UKM, ms. 125-128
2. Jajaei, S.M., Daud, W.R.W., Kadhum, A.A.H., Markom, M. 2005 Extraction Essential oil from Zataria multiflora Using Supercritical Fluid Method. Seminar on the application of Supercritical Fluid Technology: Towards Green Technology for the Earth, Dec 3rd 2005 USM, ms. 12-17
3. Ani, F. & Daud, W.R.W. 2005. Manufacturing of Carbon Molecular Sieve for O2 /N2 Seperation From Oil Palm Shell by Chemical Vapor Deposition of Ethane, National Conference On Advanced In Mechanical Engineering 2005.

**Year 2004:**

1. Daud, W.R.W. 2004. Challenges and Future Developments in Fuel Cells, Keynote Paper, Proceedings of the 18th Symposium of Malaysian Chemical Engineers, 13 – 14 December 2004, Universiti Teknologi Petronas, Bandar Seri Iskandar Tronoh, Ipoh, Perak, Plenary Paper 2B.2.
2. Husaini, T., Daud, W.R.W., Mohammad, A.W. & Yaakob, Z.. 2004. Methanol-Water Membrane Reactor for Hydrogen Production, Proceedings of the 18th Symposium of Malaysian Chemical Engineers, 13 – 14 December 2004, Universiti Teknologi Petronas, Bandar Seri Iskandar Tronoh, Ipoh, Perak, Vol. I, p. 1.46- 1.49.
3. Harahap, N., Rosli, M.I., Mohamad, A.B., Kadhum, A.A.H. & Daud, W.R.W. 2004. Performance of Membrane Electrode Assembly Fabrication Using Hot Press, Proceedings of the 18th Symposium of Malaysian Chemical Engineers, 13 – 14 December 2004, Universiti Teknologi Petronas, Bandar Seri Iskandar Tronoh, Ipoh, Perak, Vol. I, pp. 1-57-1-60.
4. Arifin, K., Daud, W.R.W., Kassim, M. & Daik, R.. 2004. Synthesis and Characterisation of Trans[1-(4-Methoxyphenyl0-2-(4-Carboxylphenyl)-1,2-Ethylenodithioleneic-S,S’] Tungsten Photocartalyst for Hydrogen Production from Water. Proceedings of the 18th Symposium of Malaysian Chemical Engineers, 13 – 14 December 2004, Universiti Teknologi Petronas, Bandar Seri Iskandar Tronoh, Ipoh, Perak, Vol. I, pp. 1-92-1-96.
5. Rahman, F.H., Kassim, M., Daik, R. & Daud, W.R.W.. 2004. Heterogenous Tungsten Photocatalyst Precursor for Water Hydrolysis. Proceedings of the 18th Symposium of Malaysian Chemical Engineers, 13 – 14 December 2004, Universiti Teknologi Petronas, Bandar Seri Iskandar Tronoh, Ipoh, Perak, Vol. I, pp. 1-97 – 1-99.
6. Ibrahim, M.A., Yaakob, Z., Daud, W.R.W., & Kadhum, A.A.H.. 2004. Preparation and Characterization of Metal Mixed Oxides Catakysts for Steam Reforrming of Methanol: A Literature Review. Proceedings of the 18th Symposium of Malaysian Chemical Engineers, 13 – 14 December 2004, Universiti Teknologi Petronas, Bandar Seri Iskandar Tronoh, Ipoh, Perak, Vol. I, pp. 1-100-1-106.
7. Mahmud, M.S., Yaakob, Z., Daud, W.R.W., & Mohamad, A.B.. 2004 Characterisation of Cu-Zn-Al Oxides Catalyst Promoted with Vanadia for Oxidative Steam Reforming of Methanol by BET ant TPR Testys. The Proceedings of the 18th Symposium of Malaysian Chemical Engineers, 13 – 14 December 2004, Universiti Teknologi Petronas, Bandar Seri Iskandar Tronoh, Ipoh, Perak, Vol. I, pp. 1-222 – 1-227.
8. Yosfiah, M.R., Yaakob, Z., Daud, W.R.W., & Jahim, J.. 2004. Influence of Ni Metal Concerning of Gamma Alumina (γAl2O3) Support. Proceedings of the 18th Symposium of Malaysian Chemical Engineers, 13 – 14 December 2004, Universiti Teknologi Petronas, Bandar Seri Iskandar Tronoh, Ipoh, Perak, Vol. I, pp. 1-242-1-245.
9. Hasibuan, R. & Daud, W.R.W.. 2004. Superheated Steam Drying of Empty Fruit Bunches Fiber Effects on Physical Strength and Color Properties. Proceedings of the 18th Symposium of Malaysian Chemical Engineers, 13 – 14 December 2004, Universiti Teknologi Petronas, Bandar Seri Iskandar Tronoh, Ipoh, Perak, Vol. I, pp. 2-20 – 2-26.
10. Panuh, D., Sahari, J., Muhamad, N. & Daud, W.R.W.. 2004. Electrically Conducting Polymer Composite for Bipolar Plate. Proceedings of the 18th Symposium of Malaysian Chemical Engineers, 13 – 14 December 2004, Universiti Teknologi Petronas, Bandar Seri Iskandar Tronoh, Ipoh, Perak, Vol. I, pp. 2-56 – 2-59.
11. Miloud, S., Sopian, K. & Daud, W.R.W.. 2004. Interdigitated Flow Field Pattern of the Proton Exchange Membrane Fuel Cell. Proceedings of the 18th Symposium of Malaysian Chemical Engineers, 13 – 14 December 2004, Universiti Teknologi Petronas, Bandar Seri Iskandar Tronoh, Ipoh, Perak, Vol. II, pp. 4-3 – 4-8.
12. Rosli, M.I., Harahap, N., Sopian, K., Sahari, J. & Daud, W.R.W.. 2004. Development and performance of an Open Air Cathode PEM Fuel Cell Stack. Proceedings of the 18th Symposium of Malaysian Chemical Engineers, 13 – 14 December 2004, Universiti Teknologi Petronas, Bandar Seri Iskandar Tronoh, Ipoh, Perak, Vol. II, pp. 4-9-4-12.
13. Majlan, E.H., Daud, W.R.W., Mohamad, A.B., Kadhum, A.A.H., Mohammad, A.W., Takriff, M.S., Som, A.M. & Iyuke, S. E. 2004. Compact Pressure Swing Adsorption System for Hydrogen Purification in PEM Fuel Cell. Proceedings of the 18th Symposium of Malaysian Chemical Engineers, 13 – 14 December 2004, Universiti Teknologi Petronas, Bandar Seri Iskandar Tronoh, Ipoh, Perak, Vol. II, pp. 4-13-4-17.
14. Masdar, M.S., Daud, W.R.W., Sopian, K. & Sahari, J.. 2004. Predicting the Performance of Proton Exchange Membrane Fuel Cell. Proceedings of the 18th Symposium of Malaysian Chemical Engineers, 13 – 14 December 2004, Universiti Teknologi Petronas, Bandar Seri Iskandar Tronoh, Ipoh, Perak, Vol. II, 4-18-4-4-28.
15. Hassan, N.S.M., Daud, W.R.W., Sopian, K. & Sahari, J.. 2004. Variation of Water Content of Gas Flows in the Anode and Cathode of a Conventional Flow Field PEM Fuel Cell. Proceedings of the 18th Symposium of Malaysian Chemical Engineers, 13 – 14 December 2004, Universiti Teknologi Petronas, Bandar Seri Iskandar Tronoh, Ipoh, Perak, Vol. II, pp. 4-29-4-36.
16. Mahreni, A., Mohamad, A.B., Kadhum, A.A.H. & Daud, W.R.W.. 2004. Review on Membrane Electrode Assembly to Proton Electrolyte Membrane Fuel Cell (PEMFC). Proceedings of the 18th Symposium of Malaysian Chemical Engineers, 13 – 14 December 2004, Universiti Teknologi Petronas, Bandar Seri Iskandar Tronoh, Ipoh, Perak, Vol. II, pp. 4-37-4-43.
17. Mohamad, A.B., Daud, W.R.W., Kadhum, A.A.H. & Sitanggang, R.. 2004. Current density model of Membrane electrode Assembly manufactured by X-Y Robotic Sprayer. Proceedings of the 18th Symposium of Malaysian Chemical Engineers, 13 – 14 December 2004, Universiti Teknologi Petronas, Bandar Seri Iskandar Tronoh, Ipoh, Perak, Vol. II, pp. 4-44-4-51.
18. Abu Bakar, M.H. , A. B Mohamad, Kadhum, A.A.H. & Daud, W.R.W. 2004. Highly Modified Activated Carbon of Nano Particle Size Exhibits Higher Pore Surface Area. Proceedings of the 18th Symposium of Malaysian Chemical Engineers, 13 – 14 December 2004, Universiti Teknologi Petronas, Bandar Seri Iskandar Tronoh, Ipoh, Perak, Vol. II, pp. 5-99-5-104.
19. Loke, Y.K., Mohammad, A.W., Takriff, M.S., Som, A.M. & Daud, W.R.W. 2004. Conceptual Design of 5 kW Methanol-Based PEM Fuel Cell System. Proceedings of the 18th Symposium of Malaysian Chemical Engineers, 13 – 14 December 2004, Universiti Teknologi Petronas, Bandar Seri Iskandar Tronoh, Ipoh, Perak, Vol.II, 6-81-6-89..
20. Rahman, F.H., Kassim, M., Daik, R. & Daud, W.R.W.. 2004. Dithiolene tungsten photocatalyst precursor for water electrolysis. Prosiding Seminar Nasional Teknik Kimia 2004, 2 Oktober 2004, Universitas Sumatera Utara , Medan, Indonesia, pp. B-03-1 – B-03-5.
21. Abu Baka, M.H., Sitanggang, R., Harahap, N., Mohamad, A.B., Kadhum, A.A.H. & Daud, W.R.W.. 2004. Low Platinum Loading Catalyst Preparation Impacts in MEA Fuel Cell Performance. Prosiding Seminar Nasional Teknik Kimia 2004, 2 Oktober 2004, Universitas Sumatera Utara , Medan, Indonesia, pp. .
22. Rosli, M.I., Sopian, K., Sahari, J., & Daud, W.R.W. 2004 Design, Assembly, and Operation of PEM Fuel Cell Stack, Prosiding Seminar Nasional Teknik Kimia 2004, 2 Oktober 2004, Universitas Sumatera Utara , Medan, Indonesia, pp.
23. Harahap, N., Rosli, M.I., Mohamad, A.B., Kadhum, A.A.H., & Daud, W.R.W. 2004. Pembuatan Membrane Electrode Assembly (Mea) Menggunakan Hot Press Untuk Pem Fuel Cell Sebagai Energi Alternatif, Prosiding Seminar Nasional Teknik Kimia 2004, 2 Oktober 2004, Universitas Sumatera Utara , Medan, Indonesia

1. Majlan, E.H., Daud, W.R.W., Rosli, M.I., Hassan, N.S.M., Masdar, M.S., & Sitanggang, R.. 2004. Fuel Cell Dalam Menyosong Krisis Energi Global, Prosiding Seminar Nasional Teknik Kimia 2004, 2 Oktober 2004, Universitas Sumatera Utara , Medan, Indonesia.
2. Mimi Hani Abu Bakar, Mohamad, A.B., Kadhum, A.A.H. & Daud, W.R.W.. 2004. Low Platinum Loading Catalyst Preparation and Characterzations. Advances in Fuel Cell Research and Development in Malaysia 2004, 3-4 Disember 2004, Melaka, pp. 14 -20.
3. Rahman, F.H., Kassim, M., Daik, R. & Daud, W.R.W.. 2004. Heterogenous photocatalyst precursor for hydrogen production. Advances in Fuel Cell Research and Development in Malaysia 2004, 3-4 Disember 2004, Melaka, pp. 202-206.
4. Sitanggang, R., Mohamad, A.B., Daud, W.R.W. & Kadhum, A.A.H. 2004. The Manufactirung Study of Membrane Electrode Assembly Applying Spraying Technology. Advances in Fuel Cell Research and Development in Malaysia 2004, 3-4 Disember 2004, Melaka, pp. 8-13..
5. Rosli, M.I., Sopian, K., Sahari, J. & Daud, W.R.W.. 2004. Development and Performance of a 1 kW PEM Fuel Cell Stack. Advances in Fuel Cell Research and Development in Malaysia 2004, 3-4 Disember 2004, Melaka, pp. 45 - 48.
6. Miloud, S., Sopian, K. & Daud, W.R.W.. 2004. Interdigitataed Flow Field Pattern PEM Fuel Cell. Advances in Fuel Cell Research and Development in Malaysia 2004, 3-4 Disember 2004, Melaka, pp. 49-55.
7. Masdar, M.S., Sopian, K., Daud, W.R.W. & Sahari, J.. 2004. Performance Characteristics of PEMFC with Various Flow-Field Patterns. Advances in Fuel Cell Research and Development in Malaysia 2004, 3-4 Disember 2004, Melaka, pp. 56-67.
8. Harahap, N., Rosli, M.I., Mohamad, A.B., Kadhum, A.A.H. & Daud, W.R.W.. 2004. Pressure Optimization in membrane Electrode Assembly Fabrication by Hot pressing for PEM Fuel Cell. Advances in Fuel Cell Research and Development in Malaysia 2004, 3-4 Disember 2004, Melaka, pp. 74-78.
9. Mahreni, A., Mohamad, A.B., Kadhum, A.A.H. & Daud, W.R.W.. 2004. Organosilicate as Precursor to Improve the Surface Linking Structure between Membrane Electrolyte-Electrode Proton Electrolyte Membrane Fuel cell using Sol-Gel method. Advances in Fuel Cell Research and Development in Malaysia 2004, 3-4 Disember 2004, Melaka, pp. 79-85.
10. Panuh, D., Sahari, J., Mohamad, N. & Daud, W.R.W. 2004. Graphite Composition Effects on the electrical Conductivity of Polypropylene Composite. Advances in Fuel Cell Research and Development in Malaysia 2004, 3-4 Disember 2004, Melaka, pp. 101-106.
11. Yosfiah, M.R., Yaakob, Z., Daud, W.R.W. & Md Jahim, J.. 2004. The Characteristaion of Ni Metal Catalyst to Produce Hydrogen from Methanol. Advances in Fuel Cell Research and Development in Malaysia 2004, 3-4 Disember 2004, Melaka, pp. 107-111.
12. Majlan, E.H., Daud, W.R.W., Mohamad, A.B., Kadhum, A.A.H., Mohammad, A.W., Takriff, M.S., Som, A.M. & Iyuke, S. E. 2004. Compact Pressure Swing Adsorption System for Hydrogen Purification in PEM Fuel Cell. Advances in Fuel Cell Research and Development in Malaysia 2004, 3-4 Disember 2004, Melaka, pp. 136-141.
13. Arifin, K., Daud, W.R.W., Kassim, M. & Daik, R. 2004. Organic Syntheis Route of Tris (Dithiolenes) Tungsten Heteregenous Phtocatalyst for Hydrogen Production 2004. Advances in Fuel Cell Research and Development in Malaysia 2004, 3-4 Disember 2004, Melaka, pp. 207-212.
14. Ibrahim, M., Sopian, K., Daud, W.R.W. & Ibrahim, M.Z. 2004. 1 kW Soalr Hydrogen Production System. Advances in Fuel Cell Research and Development in Malaysia 2004, 3-4 Disember 2004, Melaka, pp.213-219.
15. Ibrahim, M.Z., Sopian, K., Daud, W.R.W., Othman, M.Y. & Yatim, B. 2004. Simulation of a PV-Wind Hybrid Hydrogen Energy System Using HOMER. Advances in Fuel Cell Research and Development in Malaysia 2004, 3-4 Disember 2004, Melaka, pp. 220-225.
16. Marnoto, T., Sopian, K. & Daud, W.R.W. 2004. Futuristic and Environmental Friendly Dwellings: “Eco Wisma Suria Hidrogen”. Advances in Fuel Cell Research and Development in Malaysia 2004, 3-4 Disember 2004, Melaka, pp. 226-232.
17. Ibrahim, M., Sopian, K. & Daud, W.R.W. 2004. A Short­ Cut Design Method for Adsorber for a Solar Hydrogen System, Advances in Malaysia Energy Research 2004 pp 93 ­ 101
18. Ibrahim, M.Z., Sopian, K., Daud, W.R.W., Yatim, B., Othman, M.Y. 2004. A Preliminary Investigation of Small Scale Autonomous Renewable Energy Hydrogen Production System, Advances in Malaysia Energy Research 2004, pp 101 – 108
19. Miloud, S., Sopian, K., & Daud, W.R.W. 2004. Experimental Analysis on Various Flow Field Patterns of The Proton Exchange Membrane Fuel Cel, Advances in Malaysia Energy Research 2004, pp 119-126
20. Ibrahim, M.Z., Sopian, K., Daud, W.R.W., Othman, M.Y. & Yatim, B. 2004. Performance of Malaysia’s First Photovoltaic-Wind Hybrid System , Advances in Malaysia Energy Research 2004, pp. 189 ­ 194
21. Ibrahim, M.Z., Sopian, K., Daud, W.R.W., Othman, M.Y., Yatim, B. 2004. An introduction of Hydrogen energy for Malaysia towards Sustainable Energy System, 3rd Annual Seminar on Sustainabilty Science and Management, 4 ­5 May 2004 pp 38 ­41.

**Year 2003:**

1. Masdar, M.S., Daud, W.R.W., Sopian, K. & Sahari, J. 2003. The Performance of Polarization Curve in Pem Fuel Cell with Combining Ohmic Loses and Gas Transportation at Flow Channel, 17th Symposium of Malaysian Chemical Engineers, SOMChE 2003. Copthorne Orchid Hotel, Tanjung Bungah, Penang, Malaysia, 29 – 30 December 2003, pp. 805 – 811.
2. Rosli, M.I., Daud, W.R.W., Sopian, K., & Sahari, J. 20003. Design of Small Single Proton Exchange Membrane Fuel Cell, 17th Symposium of Malaysian Chemical Engineers, SOMChE 2003. Copthorne Orchid Hotel, Tanjung Bungah, Penang, Malaysia, 29 – 30 December 2003, pp. 812 – 815
3. Hassan, N.S.M., Daud, W.R.W., Sopian, K. & Sahari, J. 2003 Mathematical Modeling of Water Mass Balance for Proton Exchange Membrane Fuel Cell, 17th Symposium of Malaysian Chemical Engineers, SOMChE 2003, Copthorne Orchid Hotel, Tanjung Bungah, Penang, Malaysia, 29 – 30 December 2003. pp. 74 - 78
4. Majlan, E.H., Daud, W.R.W., Mohamad, A.B., Kadhum, A.A.H., Mohammad, A.W., Iyuke, S. E., Takriff, M.S. & Ayob Md. Som 2003. Purification of hydrogen using compact pressure swing adsorptipon system for PEMFC, Advances in Malaysian Fuel Cell Research & Development 2003, pp. 131 – 139.
5. Loke, Y.K., Daud, W.R.W., Mohammad, A.W., Takriff, M.S., Som, A.M. 2003. Conceptual Design of a Proton Exchange Membrane (PEM) Fuel Cell System, 17th Symposium of Malaysian Chemical Engineers, SOMChE 2003. Copthorne Orchid Hotel, Tanjung Bungah, Penang, Malaysia, 29 – 30 December 2003, pp. 822 – 827.
6. Miloud, S., Sopian, K., & Daud, W.R.W.. 2003. Simulation of a Proton Exchange Membrane Fuel Cell (PEMFC), 17th Symposium of Malaysian Chemical Engineers, SOMChE 2003. Copthorne Orchid Hotel, Tanjung Bungah, Penang, Malaysia, 29 – 30 December 2003, pp. 30 – 35.
7. Markom, M., Singh, H., Anuar, N. & Daud, W.R.W. 2003. Supercritical Carbon Dioxide Extraction of Phyllantus Niruri: A Preliminary Study, 17th Symposium of Malaysian Chemical Engineers, SOMChE 2003. Copthorne Orchid Hotel, Tanjung Bungah, Penang, Malaysia, 29 – 30 December 2003, pp. 276 – 281.
8. Ng, P.P., Mustapa, S.F.S., Law, C.L., Tasirin, S.M. & Daud, W.R.W. 2003. Spouted Bed Drying Behaviour of Paddy, 17th Symposium of Malaysian Chemical Engineers, SOMChE 2003. Copthorne Orchid Hotel, Tanjung Bungah, Penang, Malaysia, 29 – 30 December 2003, pp.342 – 346.
9. Mohamad, A.B., Kadhum, A.A.H., Daud, W.R.W. & Abu Bakar, M.H.2003. The effect of Various Impregnations of Platinum Loading on Activated Carbon Substrate, 17th Symposium of Malaysian Chemical Engineers, SOMChE 2003. Copthorne Orchid Hotel, Tanjung Bungah, Penang, Malaysia, 29 – 30 December 2003, pp. 542 – 547.
10. Minggu, L.J., Yaakob, Z., Daud, W.R.W. & Mohamad, A.B. 2003. Characterization of PdCuZn/γ-Alumina atalysts by XRD and TPR: For Autothermal Methanol Reforming to Produce Hydrogen, 17th Symposium of Malaysian Chemical Engineers, SOMChE 2003. Copthorne Orchid Hotel, Tanjung Bungah, Penang, Malaysia, 29 – 30 December 2003, pp. 553 – 556.
11. Law, C.L., Tasirin, S.M. & Daud, W.R.W.. 2003. Dedusting / Separation Efficiency of Dust / Rice Husk from Rough Rice in an Inclined Fluidized Bed. 17th Symposium of Malaysian Chemical Engineers, SOMChE 2003. Copthorne Orchid Hotel, Tanjung Bungah, Penang, Malaysia, 29 – 30 December 2003, pp. 872 – 873
12. Mohamad, A.B., Kadhum, A.A.H., Daud, W.R.W., & Harahap, N. 2003. Influence of Temperature and Pressure on Membrane Electrode Assembly (MEA) Fabrication using Hot Pressing, 17th Symposium of Malaysian Chemical Engineers, SOMChE 2003. Copthorne Orchid Hotel, Tanjung Bungah, Penang, Malaysia, 29 – 30 December 2003, pp. 878 – 880.
13. Ibrahim, M., Sopian, K. & Daud, W.R.W. 2003. Design of a Compact Electrolyzer for Solar Hydrogen Production System, 17th Symposium of Malaysian Chemical Engineers, SOMChE 2003. Copthorne Orchid Hotel, Tanjung Bungah, Penang, Malaysia, 29 – 30 December 2003, pp. 893 – 897.
14. Yaakob, Z., Daud, W.R.W., Mohamad, A.B. & Mahmud, M.S. 2003. Design Formulation of CuZnAl(V) catalysts in steam reforming of methanol, AMER2002, 22 Oktober 2003, Marriot Hotel Putrajaya, Pp 93-98
15. Yaakob, Z., Daud, W.R.W., Mohamad, A.B. & Mahmud, M.S. 2003. Formulation and characterization of CuZnAl(V) catalyst in steam reforming of methanol, Advances in Malaysian Fuel Cell research and development 2003, Admiral Marine & Leisure Club, Port Dickson, 27-30 Jun 2003, Pp. 93-98
16. Masdar, M.S., Daud, W.R.W., Sopian, K., & Sahari, J. 2003 Modeling of proton exchange membrane fuel cell with variable distance gas flow in anode and cathode. Advances in Malaysian Fuel Cell Research and Development 2003, ms. 71-78
17. Hassan, N.S.M., Daud, W.R.W., Sopian, K., & Sahari, J. 2003 Mathematical modelling of water mass balance for proton exchange membrance fuel cell, Advances in Malaysian Fuel Cell Research and Development, ms. 2003 : 63-70
18. Law, C.L., Tasirin, S.M., Daud, W.R.W.. 2003. Satu Model Baru Pengeringan Berdasarkan Peringkat-Peringkat Pengeringan. Prosiding Seminar IRPA RMK-7 2003, 17th-19th Jan 2003. Hotel Century Mahkota, Melaka, Malaysia, Vol. II, pg. 219-223..
19. Law, C.L., Tasirin, S.M., Daud, W.R.W.. Peranan Sesekat Dalaman Menegak Dalam Sebuah Turus Lapisan Terbendalir I: Kesannya Terhadap Hidrodinamik Lapisan Terbendalir. Prosiding Seminar IRPA RMK-7, 2003, 17th-19th Jan 2003. Hotel Century Mahkota, Melaka, Malaysia, Vol. II, pg. 224-227.
20. Law, C.L., Tasirin, S.M. & Daud, W.R.W.. Peranan Sesekat Dalaman Menegak Dalam Sebuah Turus Lapisan Terbendalir II: Kesannya Terhadap Ciri Pengeringan Bijirin. Prosiding Seminar IRPA RMK-7, 200,. 17th-19th Jan 2003. Hotel Century Mahkota, Melaka, Malaysia, Vol. II, pg. 228-231..
21. Ng, P.P., Tasirin, S.M., Daud, W.R.W. & Law, C.L.. Prosiding Seminar IRPA RMK-7, 2003, 17th-19th Jan 2003. Hotel Century Mahkota, Melaka, Malaysia, Vol. II, pg. 232-235..
22. Law, C.L., Tasirin, S.M. & Daud, W.R.W., Mujumdar, A.S.. 2003. Innovasi & Perkembangan Baru Dalam Teknologi Pengeringan. Kolokium Jabatan Kejuruteraan Kimia & Proses, Fakulti Kejuruteraan, UKM. Lanjut, Pahang, Malaysia. 22-24 Aug 2003.
23. Law, C.L., Tasirin, S.M. & Daud, W.R.W.. 2003. Penerbitan satu Model Pengeringan Dalam Peringkat Kadar Pengeringan Menurun Kedua. Kolokium Jabatan Kejuruteraan Kimia & Proses, Fakulti Kejuruteraan, UKM. Lanjut, Pahang, Malaysia. 22-24 Aug 2003.
24. Law, C.L., Tasirin, S.M. & Daud, W.R.W., Mujumdar, A.S.. 2003. 2 D Drying Simulation of Cylindrical Rubber of Finite Length. Malaysian Science and Technology Congress, MSTC2003. P-138. Kuala Lumpur, Malaysia. 23-25 Sep 2003.

**Year 2002:**

1. Masdar, M.S., Miloud, S., Sopian, K., S. Abdullah, N. S. M. Masitah Hassan I., Rosli & Daud, W.R.W. 2002. Design of the fuel cell stack of a proton exchange membrane fuel cell, Advances in Malaysian Energy Research 2002, (AMER 2002 ), ms. 317-328
2. Law, C.L., Tasirin, S.M. & Daud, W.R.W.. 2002. Application of Fluidized Bed Technology in Agricultural and Food Engineering, Malaysian Chemical Congress 2002, Hilton Hotel, Kuching, Sarawak, 12-14 Dec 2002.
3. Othman, M.Y., Yatim, B., Sopian, K. & Daud, W.R.W. 2002. Merekabentuk, Memfabrikasi, Memasang & Menguji Prestasi Sistem Pengeringan Suria untuk Pengeringan Hasil Pertanian, Prosiding Seminar IRPA RMK-7 2002, Pusat Pengurusan Penyelidikan UKM, Jld II, 33 –37.
4. Yatim, B., Othman, M.Y., Daud, W.R.W. & Sopian, K. 2002. Penilaian Prestasi Sistem Suria Fotovolataik (PV) Bersanbung ke Grid di UKM Bangi, Prosiding Seminar IRPA RMK-7 2002, Pusat Pengurusan Penyelidikan UKM, Jld II, 38 – 42.
5. Sopian, K., Yahya, M., Daud, W.R.W., Othman, M.Y. & Yatim, B. 2002. Sistem Pengeringan Penyahlembapan Udara Terbantu Suria untuk Herba Peubatan: Daun Pegaga (Hydrocotyle asiarica L.), Prosiding Seminar IRPA RMK-7 2002, Pusat Pengurusan Penyelidikan UKM, Jld II, 79 - 82.

**Year 2001:**

1. Rahman, N.A., Daud, W.R.W. & Fisal, Z. 2001. Simple Empirical Nonlinear Low-Order Model on Methanol-Water Distillation Column, SOMChE 2001, The Proceedings of the 15th Symposium of Malaysian Chemical Engineers, 11 - 12 September 2001,Johor Baharu, Johor, 271.
2. Supranto, Sopian, K., Othman, M.Y., Daud, W.R.W. & Yatim, B., 2001. Pengaruh Tinggi Celah Saluran udara terhadap Effisicnsi Pengumpul Suria Dua Pass dengan media Berpori, Prosiding Seminar Nasional "Kejuangan"Teknik Kimia Pengembangan Teknologi Pengolahan Sumber Daya Alam Indonesia, Yogyakarta, 30-31 Januari 2001, B3-1 -B3-6, ISBN 979-96137-0-1.
3. Supranto, Sopian, K., Othman, M.Y., Daud, W.R.W. & Yatim, B. 2001. Pengaruh Kecepatan Aliran udara & Intensitas Sinaran terhadap Effisicnsi Pengumpul Suria Dua Pass dengan media Berpori, Prosiding Seminar Nasional "Kejuangan"Teknik Kimia Pengembangan Teknologi Pengolahan Sumber Daya Alam Indonesia, Yogyakarta, 30-31 Januari 2001, B7-1 -B7-6, ISBN 979-96137-0-1.

**Year 2000:**

1. Daud, W.R.W. 2000. Advances in Chemical Process Design and Optimization, Keynote Paper, The 14th Symposium of Malaysian Chemical Engineers, 30 – 31 October, Putra Jaya, Selangor, pp. 431-444
2. Daud, W.R.W. 2000. Kaedah Reka Bentuk Singkat Penjerap The 14th Symposium of Malaysian Chemical Engineers, 30 – 31 October, Putra Jaya, Selangor, pp. 445-452
3. Daud, W.R.W. & Tan, K.H. 2000. Reologi Gelatin Berkekuatan Gel Berlainan The 14th Symposium of Malaysian Chemical Engineers, 30 – 31 October, Putra Jaya, Selangor, pp. 157 – 162
4. Chebbi. R., Daud, W.R.W., Kadhum, A.A.H., Mohamad, A.B. & Yarmo, M.A., 2000. Surface Analysis of Polytetrafluoroethylene/Carbon and Platinum/Carbon/Polytetrafluoroethylene of Electrode Using X-Ray Photoelectron Spectroscopy (Xps) Technique, The 14th Symposium of Malaysian Chemical Engineers, 30 – 31 October, Putra Jaya, Selangor, pp. 103 - 112
5. Law, C.L., Tasirin, S.M., Daud, W.R.W., Yaakob, Z., Takriff, M.S., 2000 Elutriation of Group A/B Powders from Fluidized Beds, The 14th Symposium of Malaysian Chemical Engineers, 30 – 31 October, Putra Jaya, Selangor, pp. 239 – 246
6. Iyuke, S.E., Mohamad, A.B. & Daud, W.R.W. 2000. Single Component Equilibrium Isotherm Modelling, The 14th Symposium of Malaysian Chemical Engineers, 30 – 31 October, Putra Jaya, Selangor, 247 – 254.
7. Daud, W.R.W., Sopian, K., Othman, M.Y., Yatim, B. & Yahya, M. 2000. Drying Characteristics of Pegaga Leaf (Hydrocotyle Asiatica L) The 14th Symposium of Malaysian Chemical Engineers, 30 – 31 October, Putra Jaya, Selangor, 349 – 354.
8. Yeoh, H.K., Daud, W.R.W., Kadhum, A.A.H., Mohamad, A.B., Sopian, K., Salleh, M.M. 2000 Dye-Sensitized Photoelectrochemical Cells : Towards Splitting Water, The 14th Symposium of Malaysian Chemical Engineers, 30 – 31 October, Putra Jaya, Selangor, pp. 367-374
9. Rahman, N.A., Daud, W.R.W. & Fisal, Z. 2000. Perbandingan Kualiti Hasil Turus Penyulingan Dari Aspek Kawalan Analisis & Kawalan Suhu The 14th Symposium of Malaysian Chemical Engineers, 30 – 31 October, Putra Jaya, Selangor, pp. 543 – 550.
10. Majlan, E.H., Yaakob, Z., Daud, W.R.W., Takriff, M.S. 2000. Kesan Bahan Penjerap Keatas Proses Penjerapan Sebatian Organik Meruap Menggunakan Jerapan Sistem Hayunan Suhu The 14th Symposium of Malaysian Chemical Engineers, 30 – 31 October, Putra Jaya, Selangor, pp 597 – 604.
11. Supranto, Sopian, K., Othman, M.Y., Daud, W.R.W. & Yatim, B. 2000 Penurunan Tekanan dalam Pengumpul Suria Udara Dua pass Dengan Media BerporiProceeding Seminar Teknik Kimmia Soehadi Reksowardgojo 2000, Teknolgi Process untuk Pengolahan Sumber Daya Alam Indonesia, Institute Tekanologi Bandung, 3 –4 November 2000, ISSN 0854-7769 pp 45 – 50
12. Supranto, Sopian, K., Othman, M.Y., Daud, W.R.W. & Yatim, B., 2000. Distribusi Suhu & Efisiensi Therma dalam Susunan Pengumpul Suria Seri Proceeding Seminar Teknik Kimmia Soehadi Reksowardgojo 2000, Teknolgi Process untuk Pengolahan Sumber Daya Alam Indonesia , Institute Tekanologi Bandung, 3 –4 November 2000, ISSN 0854-7769, pp 51 – 58.
13. Sopian, K., Supranto, M. Y Othman, Yatim, B. & Daud, W.R.W. 2000 Prestasi Pengumpul Suria Dua Laluan dengan Media Berliang dalam Ismail Sahid & Roslan Abd. Shukor (editor) Prosiding Seminar IRPA RMK-7, Vol. II, Pusat Pengurusan ,Penyelidikan, Universiti Kebangsaan Malaysia, 20 –22 Oktober 2000, Melaka. ms. , ISBN 983-9152-87-4, ms.63 – 66.

**Year 1999:**

1. Sopian, K., Supranto , Othman, M.Y. , Daud, W.R.W. & Yatim, B. 1999. Evaporative Capacity Of A Solar Assisted Drying System For Oil Palm Fronds, Advances in Malaysia Energy Research 1999, Institute of Energy and Malaysia Energy Centre, Bangi, Selangor, 26 Oktober, pp.217 -233.
2. Supranto, Sopian, K., Daud, W.R.W., Othman, M.Y. & Yatim, B. 1999. Optimum Design Parameters for the Double-Pass Solar Collector With Porous Media, Advances in Malaysia Energy Research 1998, Institute of Energy and Combustion Research Centre, UKM, ms.12 – 20.
3. Sopian, K., Yatim, B., Othman, M.Y., Daud, W.R.W. & Supranto 1999. Pembinaan Simulator Suria, (The Contruction of Solar Simulator) (Seminar for Monitoring of Research and Development),Seminar Pemantauan Peyelidekan & Pembangunan (R&D) Universiti Kebangsaan Malaysia, 30 Julai –1 Ogos 1999, ms 101-104.
4. Supranto, Sopian, K., Daud, W.R.W., Othman, M.Y., Yatim, B. 1999. Keupayaan Menyejat Sistem Pengeringan Suria Terbantu Untuk Pelepah Kelapa Sawit, Pascasidang Penyelidikan & Pembangunaan 1999, Penyelidikan ke Alaf Baru, Puri Pujangga 2 – 3 November, m.s. 266 – 271.
5. Sopian, K., Supranto, Othman, M.Y., Daud, W.R.W., & Yatim, B. 1999. Pemindahan Haba & Kejatuhan Tekanan dalam Pengumpul Suria Dua Laluan Dengan Media Berliang (Heat Transfer and Pressure Drop in Double-Pass Solar Collector with Porous Media), Pascasidang Penyelidikan & Pembangunaan 1999, Penyelidikan ke Alaf Baru, Puri Pujangga 2 – 3 November, m.s. 295 – 299.

**Year 1998:**

1. Yaakob, Z., Mohamad, A.B., Daud, W.R.W., & Lwin, Y., 1998. Production of Hydrogen from Steam-Metahnol reforming: Characterisation of CuO/Al2O3 catalysts, The 7th JSPS-VCC Seminar on Integrated Engineering, Universiti malaya, Kuala Lumpur, 7 - 8 Disember 1998, pp. 201 - 206.
2. Majlan, E.H., Yaakob, Z., Daud, W.R.W., Takriff, M.S. & Shariff, A.M., 1998. VOC Control using Thermal Swing Adsorption System, The 7th JSPS-VCC Seminar om Integrated Engineering, Universiti malaya, Kuala Lumpur, 7 - 8 Disember 1998, pp. 360 - 364.
3. Supranto, Sopian, K., Daud, W.R.W., Othman, M.Y. & Yatim, B., 1998. Optimum Design Parameters for the Double-Pass Solar Collector With Porous Media, Advances in Malaysia Energy Research 1998, pp 12 - 20.
4. Sutarno, Sopian, K., Shamsuddin, A.H., & Daud, W.R.W., 1998. Design of Photovoltaic Hydrogen Production System (PHPS), Advances in Malaysia Energy Research 1998, pp 26 - 33.
5. Daud, W.R.W. & Zain, S.M., 1998. PeMelayuan, PengIslaman & PeMalaysiaan Ilmu Sains & Teknologi dalam Konteks Dasar Sains Negara, Seminar Dasar Sains & Teknologi Negara, Kelab Rekreasi UKM, 16 - 17 hb September 1998.
6. Daud, W.R.W. 1998. Teknologi & Pembangunan, Seminar Falsafah, Teknologi & Pembangunan: Beberapa Persoalan Epistimologi, Universiti Malaya, 21 Mac 1998.

**Year 1996:**

1. Daud, W.R.W., Ibrahim, M.H., Talib, M.Z.M., Sarker, M.N.H. & Kyi, T.M.. 1996. Penyelidikan Pengeringan di UKM: Pencapaian & Cabaran. Kolokium Fakulti Kejuruteraan Universiti Kebangsaan Malaysia, di Fakulti Teknik, Universiti Sumatara Utara, Medan, Republik Indonesia, 28 November 1996 (pascasidang article in print).
2. Kyi, T.M., Daud, W.R.W., Mohamad, A.B., Kadhum, A.A.H. & Shamsuddin, A.W., 1996. Proceedings of the 12th Symposium of Malaysian Chemical Engineers (SOMCE’96), 15 - 22.
3. Daud, W.R.W., Fisal, Z. & Tan, C.L. 1996. Dynamic Model of Solvent Extractiuon Plant, Proceedings of the 12th Symposium of Malaysian Chemical Engineers (SOMCE’96), 95 -100.
4. Daud, W.R.W. & Pang, T.S. 1996. Modelling of Hollow Fibre Membrane for Hydrogen Separation from Reformed Gas, Proceedings of the 12th Symposium of Malaysian Chemical Engineers (SOMCE’96), 275 - 282.
5. Kadhum, A.A.H., Daud, W.R.W., Mohamad, A.B. & Rasheed, M.H., 1996. Alkali Fusion of Malaysian Zircon Sand, Proceedings of the 12th Symposium of Malaysian Chemical Engineers (SOMCE’96), 289 - 296.
6. Kadhum, A.A.H., Daud, W.R.W., Mohamad, A.B. & Thai, L.K. 1996. Esterification Process of Palm Oil at High Pressure Condition, Proceedings of the 12th Symposium of Malaysian Chemical Engineers (SOMCE’96), 309 - 318.
7. Daud, W.R.W., Uheida, A.B., Kadhum, A.A.H., Mohamad, A.B., Sahari, J. & Yarmo, M.A. 1996. Development of CO Tolerant Nonmetallic Catalyst Electrode for Proton Exchange Membrane H2/O2 Fuel Cell (PEMFCs), Proceedings of the 12th Symposium of Malaysian Chemical Engineers (SOMCE’96), 367 - 372.
8. Kadhum, A.A.H., Daud, W.R.W., Mohamad, A.B., & Rasheed, M.H. 1996. Development of Solid Polymer Electrolyte Membrane for Use in SPEM Fuel Cells, Proceedings of the 12th Symposium of Malaysian Chemical Engineers (SOMCE’96, 373 - 382.
9. Daud, W.R.W., Elalem, K., Sahari, J., Mohamad, N. & M. Kamal Ariffin M. Ihsan 1996. Heat Management in Proton Exchange Membrane Fuel Cell Stack, Proceedings of the 12th Symposium of Malaysian Chemical Engineers (SOMCE’96), 383 - 386.
10. Sahari, J., Baharin, S., Sarker, M.N.H., & Daud, W.R.W. 1996. Polymer Electrolyte Fuel Cells: A Review of Recent Development of Stacks and Water/Heat Management, Proceedings of the 12th Symposium of Malaysian Chemical Engineers (SOMCE’96), 387 - 394.
11. Yaakob, Z., Mohamad, A.B., Daud, W.R.W. & Kadhum, A.A.H. 1996. Production of Hydrogen from Methanol for Use in Fuel Cell, Proceedings of the 12th Symposium of Malaysian Chemical Engineers (SOMCE’96), 407 - 412.
12. Shariff, A.M., Daud, W.R.W., Mohamad, A.B., Kadhum, A.A.H., Fisal, Z. & Iyuke Sunny Esayegbemu 1996. Purification of Hydrogen for Use in Fuel Cell Power Plant, Proceedings of the 12th Symposium of Malaysian Chemical Engineers (SOMCE’96), 419 - 434.
13. Talib, M.Z.M., Fisal, Z., & Daud, W.R.W. 1996. Review of Proton Exchange Membrane Fuel Cell Modelling and Simulation, Proceedings of the 12th Symposium of Malaysian Chemical Engineers (SOMCE’96), 427 - 433.

**Year 1995:**

1. Daud, W.R.W., Abdullah, I. & Bakar, B. 1995. Rheological Characterisation of Thermoplastic Natural Rubber Blend Melt at 200°C, The Eleventh Symposium of Malaysian Chemical Engineers, SOMCE '95, 18 - 19 June 1995, Kuala Terengganu, B9-1 - B9-5.

**Year 1994:**

1. Daud, W.R.W., Liew, S.L., Som, A.M., Ibrahim, M.H., & Talib, M.Z.M., 1994. Computer Aided Design of Small Steam Reformers for Fuel Cells, The Tenth Malaysian Chemical Engineering Symposium, 23 - 24 Ogos, 1994, Novotel, Tanjung Bungah, Pulau Pinang, pp. 84 -94.
2. Daud, W.R.W., Fisal, Z. & Cheah, C.M., 1994. Atmospheric Discharge of Multicomponent Hydrocarbon Liquids at High Pressure and Above Its Boiling Point, The Tenth Malaysian Chemical Engineering Symposium, 23 - 24 Ogos, 1994, Novotel, Tanjung Bungah, Pulau Pinang, pp.175 - 179.
3. Daud, W.R.W., 1994. Sejarah and Falsafah Teknologi Sebagai Pencetus Daya Cipta and Daya Saing, (History & Philosophy of Technology as Nurturer of Creativity and Competitiveness) Prosiding Seminar Kebangsaan Pengajaran Sejarah and Falsafah Sains di Institusi Pengajian Tinggi, Universiti Malaya, Kuala Lumpur (in press).

**Year 1993:**

1. Daud, W.R.W., 1993. Pemodelan Alam Sekitar untuk Penaksiran Alam Sekitar (Enviromental Modelling for Environmenatl Impact Assessment), Pors. Kolokium Ke-5 Fakulti Kejuruteraan UKM 1993, 26 - 30 Ogos 1993, Langkawi Island Resort, Kedah Darul Aman, 138 -143 .
2. Daud, W.R.W., Talib, M.Z.M., Daud, N.M. & Husein, M.Z. 1993. Modelling Forest Growth in Equatorial Virgin Forest, Persiandgan Ekologi Malaysia ke-2: Ecotourism in Malaysia "Prospects and Potential Impact", 6th - 7th September 1993, Shagri-La Hotel, Kuala Lumpur, 159 - 168.
3. Ibrahim, M.H., Daud, W.R.W., Ismail, M.S. & Talib, M.Z.M., 1993. Moisture Desorption Isotherms of Oil Palm Kernel, 9th. Symposium of Malaysian Chemical Engineers, 6th - 7th July 1993, Universiti Kebangsana Malaysia.
4. Daud, W.R.W., Shariff, A.M. & Othman, Z. 1993. Estimation of Insulation Thickness for Crude Oil Pipeline Buried in Sea Bed Mud, 9th. Symposium of Malaysian Chemical Engineers, 6th - 7th July 1993,Universiti Kebangsana Malaysia.
5. Daud, W.R.W., Ahmad, A. & Lee, H.T. 1993. A Langrangian Oil Spill Model with Monte Carlo and Markov Chain Wind Simulation, 9th. Symposium of Malaysian Chemical Engineers, 6th - 7th July 1993,Universiti Kebangsana Malaysia.
6. Daud, W.R.W. & Talib, M.Z.M., 1993. Computer Modelling of the Dispersion of Lighter and Heavier than Air Gaseous Emissions, 9th. Symposium of Malaysian Chemical Engineers, 6th - 7th July 1993,Universiti Kebangsaan Malaysia.
7. Myint, S., Daud, W.R.W. & Mohamad, A.B. 1993. Optimisation of Extraction of Eugenol from Clove, 9th. Symposium of Malaysian Chemical Engineers, 6th - 7th July 1993,Universiti Kebangsana Malaysia.

**Year 1992:**

1. Daud, W.R.W., Zain, S.M., Yatim, B. & Ibrahim, T.M.A.S.T. 1992. Pembudayaan Sains and Teknologi dalam Masyarakat Melayu Menjelang Year 2020 (Culturisation of Science in Malay Society in the Year 2020), Kongres Cendekiawan Melayu III, 3 - 5 Disember 1992, Institut Teknologi MARA, Dewan Bahasa and Pustaka, Kuala Lumpur, ms. 98 - 102.
2. Sopian, K., Othman, M.Y. & Daud, W.R.W.. 1992. Solar Drying System for Agricultural Produce, Kolokium ke-4 Fakulti Kejuruteraan UKM, 17 - 19 Ogos 1992, Kuantan, ms. 88 - 97.
3. Ahmad, R., Daud, W.R.W., Abdullah, N., Fisal, Z. & Mohamad, A.B.. 1992. Perolehan Semula Unsur-unsur Nadir dari Selut Sisa Lombong Timah di Malaysia (Recovery of Rare Earths from Tin Mining Waste in Malaysia), 1992. Kolokium ke-4 Fakulti Kejuruteraan UKM, 17 - 19 Ogos 1992, Kuantan, ms. 98 - 102.
4. Rahman, R.A., Suwandi, M.S., Yusoff, M.F., Daud, W.R.W., Salihon, J., Fisal, Z., Mohamad, A.B., Abdullah, N. & Mohammad, A.W. 1992. Pendidikan and Penyelidikan Kejuruteraan Kimia and Proses dalam Menghadapi Cabaran 2020 (Chemical Engineering Education & Research Facing the 2020 Challenge), Kolokium ke-4 Fakulti Kejuruteraan UKM, 17 - 19 Ogos 1992, Kuantan, ms. 7 - 24.

**Year 1991:**

1. Daud, W.R.W.,Fisal, Z. & Salihon, J., 1991, Risk Assessment and the Development of Industry, 7th Synposium of Malaysian Chemical Engineers, Universiti Kebangsaan Malaysia, 2 - 3 July 1991.
2. Daud, W.R.W., Ibrahim, M.H., Talib, M.Z.M., 1991, Penyelidikan Pengeringan di UKM : Masalah and Cabaran(Drying Research at UKM: Problems & Challenges), Kolokium Ke-3 Fakulti Kejuruteraan UKM, Pulau Pangkor, Perak, 16 - 17 Jun 1991.
3. Daud, W.R.W., Fisal, Z. & Salihon, J., 1991, Pentaksiran Risiko and Pembangunan Industri (Risk Assessment and Industrial Development), Kolokium Ke-3 Fakulti Kejuruteraan UKM, Pulau Pangkor, Perak, 16 - 17 Jun 1991.

**Year 1990:**

1. Daud, W.R.W. & Omar, Z. 1990, Simulasi Berangka Pengeringan Beraliran, (Numerical Simulation of Conductive Drying), Proc. Sixth Symposium Malaysian Chemical Engineers, June 4th - June 5th 1990, Universiti Teknologi Malaysia, Kuala Lumpur, pp. POS-1 - POS-9.
2. Daud, W.R.W., Jabar, J., Sharif, J. & Rahman, S.A. 1990, Data Kesimbangan Torium and Uranium Daripada Sisa Perlombongan Timah di dalam Sistem Air-Kerosin-TBP Berasid*,* (Equilibrium Data of Thorium & Uranium from Tin Mining Wastes in Acidic Water-Kerosine-TBP System), Proc. Sixth Symposium Malaysian Chemical Engineers, June 4th - June 5th 1990, Universiti Teknologi Malaysia, Kuala Lumpur, pp. FUN-1 - FUN-9.

**Year 1989:**

1. Sopian, K., Shamsuddin, A.H., Ali, Y. & Daud, W.R.W., 1989, Caandgan Rekabentuk Sistem Pengeringan Padi Menggunakan Tenaga Suria(A Proposed Design of Padi Drying System Using Solar Energy), Pros. Seminar Penggunaan Tenaga Suria Dalam Pengeringan, October 3rd 1989, Universiti Kebangsaan Malaysia, pp. 11 - 18.
2. Daud, W.R.W. 1989, Thermal Dynamics of a Drum Dryer, Second National Conference of Thermal Engineering and Science, August 15th - August 16th 1989, Putra World Trade Centre, Kuala Lumpur, pp. 52 - 60.
3. Daud, W.R.W., Yusuff, M.F. & Rao, D.S.K., 1989, Pencaman Pembolehubah-Pembolehubah Penting Dalam Proses Penghasilan Bromelin daripada Batang Nenas (Identification of Significant Variables in the Bromelin Production Process from Pineapple Stems), Proc. Fifth Symposium of Malaysian Chemical Engineers, 27 - 28 June 1989, Kuala Lumpur, pp. 217 - 230.
4. Daud, W.R.W. & Govindasamy, P., 1989, Analisis Faktor Proses Penghasilan Kitin daripada Kulit Uandg (Factor Analysis of Chitin Production Process from Prawn Shells), Proc. Fifth Symposium of Malaysian Chemical Engineers, 27 - 28 June 1989, Kuala Lumpur, pp. 355 - 362.
5. Daud, W.R.W., King, P. & Mydin, A.M., 1989, HYSIM : An Interactive Flowsheeting Simulator for the Microcomputer, Proc. First National Computer Sciece Conference, pp. 314-326, 24-25 January 1989, Universiti Malaya, Kuala Lumpur.
6. Daud, W.R.W. & Wang, S.C. 1989, Peragaan and Simulasi Dinamik Penyejat Saput Mendaki (Dynamic Modelling & Simulation of Climbing Film Evaporator), Proc. First National Computer Sciece Conference, pp. 299-313, 24-25 January 1989, Universiti Malaya, Kuala Lumpur.

**Year 1988:**

1. Daud, W.R.W., Jumari, K., Abdullah, M.P. & Mydin, A.M., 1988, Sistem Kawalan and Perolehan Data Berdasarkan Mikrokomputer untuk Alat Kromatografi Gas Hewlett Packard 5790A (Microcomputer Based Control & Data Acquisition System for HP 5790A Gas Chromatography), Prosiding Simposium Kimia Analisis Kebangsaan Kedua, pp. 136-151, 6-8 September 1988, Universiti Sains Malaysia.
2. Daud, W.R.W., 1988, Theoretical Investigation on the Conductive Drying of Thin Films of Starch Gel, Prosiding Seminar Kejuruteraan Terma Kebangsaan, pp. 226-253, 4-6 April 1988, PJ Hilton, Malaysia.
3. Daud, W.R.W., 1988, Pendekatan Modul Berjujukan Untuk Penyediaan Rajahalir Proses Berkomputer Mudah Bahagian I Imbangan Jisim, (Sequential Modular Approach to Computerised Simple Process Flowsheeting), Prosiding Seminar Sains Komputer Kebangsaan II mengenai Inovasi Komputer di Malaysia, pp. 14-1 - 14-23, 6-7 April 1988, Universiti Kebangsaan Malaysia.
4. Jumari, K., Daud, W.R.W. & Mydin, A.M., 1988, Perisian For Sistem Perolehan Data Berdasarkan kepada Mikrokomputer (A Software for a Microcomputer Based data Acquisition System), Prosiding Seminar Sains Komputer Kebangsaan II mengenai Inovasi Komputer di Malaysia, pp. 6-1 - 6-12, 6-7 April 1988, Universiti Kebangsaan Malaysia.
5. Daud, W.R.W., Ali, M.A.M. & Tan, S.H. 1988, Sistem Perolehan Data and Kawalan Dasar Mikrokomputer For Penapai, (Microcomputer Based Data Acquisition & Control System for a Fermentor), Prosiding Seminar Sains Komputer Kebangsaan II mengenai Inovasi Komputer di Malaysia, pp. 8-1 - 8-25, 6-7 April 1988, Universiti Kebangsaan Malaysia.
6. Daud, W.R.W. 1988, Calendering of Power Law Fluids, Proc. Fourth Symposium of Malaysian Chemical Engineers, 14-15 June 1988, Putra World Trade Centre, Kuala Lumpur.
7. Daud, W.R.W. 1988, Reologi Kanji Beras Tergelatin Pada Suhu Rendah (Rheology of Gelatinised Rice Starch at Low Temperature), Proc. Fourth Symposium of Malaysian Chemical Engineers, 14-15 June 1988, Putra World Trade Centre, Kuala Lumpur.
8. Aton, M.A., Nor, M.T. & Daud, W.R.W., 1988, Chemical and Biochemical Engineering at UKM, , Proc. Fourth Symposium of Malaysian Chemical Engineers, 14-15 June 1988, Putra World Trade Centre, Kuala Lumpur.

**Year 1987:**

1. Daud, W.R.W. & Armstrong, W.D., 1987, Conductive Drying Characteristics of Gelatinized Starch, Proc. Third Symposium of Malaysian Chemical Engineers, 15-16 June 1987, Universiti Teknologi Malaysia.
2. Jumari, K., Daud, W.R.W., Aziz, M.K.A. & Mydin, A.M., 1987, Microcomputer Based Data Acquisition System for a QVF Climbing Film Evaporator, Proc. National Seminar on Computer Applications in Instrumentation and Control System, pp. 55-66, 27-28 October 1987, Universiti Malaya, Kuala Lumpur.

**Year 1986:**

1. Daud, W.R.W. 1986, Theories of Drying - A Review, Proc. Second Symposium of Malaysian Chemical Engineers, pp. 18-49, 24-25 June 1986, Universiti Kebangsaan Malaysia.

## General Articles

**Year 1993:**

1. Daud, W.R.W. 1993. Sejarah Teknologi Melayu (A History of Malay Technology), dalam Aziz Deraman (peny.), Tamadun Islam di Alam Melayu (Islamic Civilisation in the Malay World), Dewan Bahasa and Pustaka, Kuala Lumpur.
2. Daud, W.R.W. 1993. Pemikiran sains al-Biruni (al-Biruni's Scientific Thought), ASASAINS, 1/93, ms. 3 - 19
3. Daud, W.R.W. 1993. Sejarah Teknologi Kimia (A History of Chemical Technology), ASASAINS, 1/93. ms. 20 - 45.
4. Daud, W.R.W. 1993. Falsafah Sains al-Biruni (al-Biruni's Philosophy of Science), dalam Othman, M.Y. et al. (peny.), Siri Wacana Sejarah and Falsafah Sains (Discourse on History and Philosophy Siries), Vol. 2, Dewan Bahasa and Pustaka, Kuala Lumpur, ms. 39 - 55.

**Year 1992:**

1. Daud, W.R.W. 1992, Sejarah Perkembangan Teknologi dalam Tamadun Islam (History of Technology Development in Islamic Civilisation), ASASAINS, 1/92, 1992, pp.1-15

**Year 1990:**

1. Daud, W.R.W. 1990, Islamic Technology : A Preliminary Study, MAAS Journal of Islamic Science, Vol. 6, No. 1, pp. 79 - 85.
2. Daud, W.R.W., Yusof, K.M., Basri, H., Ali, Y. & Jumari, K. 1990, Sejarah and Falsafah Sains and Teknologi: Kepentingannya dalam Kurikulum Kejuteraan Prasiswazah (History & Philosophy of Science & Technology: Its Impostance in the Undergraduate Engineering Curriculum), Kolokium Kedua Fakulti Kejurteraan Universiti Kebangsaan Malaysia, March 13th - March 15th 1990, Port Dickson, Negeri Sembilan, pp. 1 - 14.

**Year 1989:**

1. Daud, W.R.W. 1989. Teknologi Islam: Satu Gagasan Awal (Islamic Technology : A Preliminary Study), ASASAINS, 3/89, pp 11- 24..

## Books

## International Books

**International Research Books**

1. Woo, M.W., Mujumdar, A.S. & Daud, W.R.W. (Ed.) 2010 Spray Drying Technology, Volume 1, E-book, URL:http://serve.me.nus.edu.sg/arun/file/Publications/books/Spray%20Drying%20Technology.pdf pada 7 January 2011.
2. Woo, M.W., Mujumdar, A.S. & Daud, W.R.W. 2010. Spray Drying: Operation, Deposition & CFD Modelling. Saarbrücken, Germany: VDM Publishing House.

Chapters in International Research Books

1. Swee Su Lim, Byung Hong Kim, Da Li, Yujie Feng, Wan Ramli Wan Daud, Keith Scott and Eileen Hao Yu. 2019. Effects of applied potential and reactants to hydrogen-producing biocathode in a microbial electrolysis cell dlm microbial synthesis in Andrea Schievano, Deepak Pant and Sebastià Puig (Editors) Gas-Fermentation and Bioelectroconversion of CO2 and other Gaseous Streams: Frontiers Research Topics, Lausanne, Switzerland: Frontiers Media SA, pp. 75-93.
2. Wan Ramli Wan Daud 2015. Drum dryers. Dalam Mujumdar, A. S. (Peny.) Handbook of Industrial Drying, Fourth Edition, Boca Raton: CRC Press. pp. 249 – 257.
3. Chung Lim Law, Wan Ramli Wan Daud & Arun S. Mujumdar. 2014. Emerging Drying Technologies for Agricultural Products. In Introduction to Advanced Food Process Engineering, J.K. Sahu (ed.). Boca Raton: CRC Press, pp. 31-77.
4. Mahreni, Mohamad, A.B., Kadhum, A.A.H. & Daud, W.R.W., 2011. Nanocomposite Electrolyte for PEMFC Application. Dalam Reddy, B. (Penye.). Advances in Nanocomposites - Synthesis, Characterization and Industrial Applications. Rijeka Croatia: Itech - Open Access Publisher pp. 263-288. <http://www.intechopen.com/source/pdfs/15408/InTech-Nanocomposite_electrolyte_for_pemfc_application.pdf>
5. Woo, M.W., Mujumdar, A.S. & Daud, W.R.W.. 2010. CFD Simulation of Spray Dryers. Di dalam Woo, M.W., Mujumdar, A.S. & Daud, W.R.W. (Peny.) Spray Drying Technology, Volume 1, E-book, URL:http://serve.me.nus.edu.sg/arun/file/Publications/books/Spray%20Drying%20Technology.pdf pada 7 January 2011
6. Daud, W.R.W. 2006. Drum dryers. Di dalam Mujumdar, A. S. (Peny.) Handbook of Industrial Drying. Boca Raton: CRC Press. pp. 203 – 233.

**Editing of International Conference Proceedings**

1. Daud, W.R.W. (Chief Editor), Takriff, M.S., Mohammad, A.W., Mohamad, A.B., Talib, M.Z.M., Tasirin, S.M., Abdullah, A.R.S., Md Jahim, J., Anuar, N., Markom, M. & Shuhaida Harun (Editors). Proceedings of the 15th Regional Symposium on Chemical Engineering and the 22nd Symposium of Malaysian Chemical Engineers RSCE-SOMCHE 2008, 2-3 December 2008, Kuala Lumpur, Malaysia, 2 Vol. 2000 pp.
2. Daud, W.R.W. (Chief Editor), Takriff, M.S., Tasirin, S.M., Abdullah, E.C., Ariffin, A.K., Mohammad, A.W., Muchtar, A., Abdullah, S., Chuah Teong Guan, Anuar, N. & Noorhisham Tan Kifli (Editors). 2003. Proceedings of the 2nd Asian Particle Technology Symposium (APT2003), 17-19 Dec 2003, Penang, Malaysia, 2 Vol., 1217 pp.
3. Daud, W.R.W. (Chief Editor), Rashid, A.K.A, Hamdan, A.R., Majlis, B.Y., Haron, C.H.C., Yusoff, K.M., Sopian, K., Jumari, K., Mahadi, N.M., Rahman, R.A., Saari, S., Ahmad, S. & Abdullah, S. (Editors). 2003. Proceedings of the 3rd International Conference on Advances in Strategic Technologies, Renaissance Hotel, Kuala Lumpur, Malaysia, 12 – 14 August 2003, 2 Vol., 1814 pp.
4. Daud, W.R.W. (Chief Editor), Sopian, K., Tasirin, S.M., Yatim, B., Othman, M.Y. & Rukunudin, I.H. (Editors) 2001. ADC 2001 : High Quality Product through Efficient and Environmental Friendly Drying Technology, Proceedings of the 2nd Asian-Oceania Drying Conference, 20 – 22 August 2001, Golden Sands Resort, Batu Feringhi, Pulau Pinang, Malaysia, 758 pp.
5. Daud, W.R.W. (Chief Editor), Shamsuddin, A.H., Rahman, R.A., Sembok, T.M.T., Sahari, J., Taha, M.R., Sopian, K., Mohamed, R., Shukur, R.A., Rashid, Z.A.A., Haron, C.H.C., & Abdullah, S. (Editors) 2000. ICAST 2000, The Proceeding of the 2nd International Conference on Strategic Technologies, 2 Vol., 1814 pp.

## National Books

**National Research Books**

1. Daud, W.R.W. 2010. Kejuruteraan: Seni atau Sains?, Syarahan Perdana, Bangi: Penerbit UKM. 94 pp.
2. Daud, W.R.W., 1992, Penyampaian Pneumatik, Kuala Lumpur: Dewan Bahasa and Pustaka, 158 pp.

Chapters in National Research Books

1. Daud, W.R.W. 2009. Sejarah Perkembangan Teknologi Melayu: Satu Kajian Awal. Dalam Othman, M.Y. (Penyelaras) 2009. Wacana Sejarah dan Falsafah Sains: Sains dan Masyarakat. Kuala Lumpur: Dewan Bahasa & Pustaka, pp.14-53.
2. Daud, W.R.W. 2009. Falsafah Sains Al-Biruni. Dalam Othman, M.Y. (Penyelaras) 2009. Wacana Sejarah dan Falsafah Sains: Sains dan Masyarakat. Kuala Lumpur: Dewan Bahasa & Pustaka, pp.172-185.
3. Daud, W.R.W. 2009. Teknologi dan Pembangunan. Dalam Othman, M.Y. (Penyelaras) 2009. Wacana Sejarah dan Falsafah Sains: Sains dan Masyarakat. Kuala Lumpur: Dewan Bahasa & Pustaka, pp.541-547.
4. Daud, W.R.W. 1993. Sejarah Teknologi Melayu dalam Aziz Deraman (peny.), Tamadun Islam di Alam Melayu, Kuala Lumpur: Dewan Bahasa and Pustaka.
5. Daud, W.R.W. 1993. Falsafah Sains al-Biruni. Dalam Othman, M.Y. (peny.), Siri Wacana Sejarah and Falsafah Sains, Vol. 2, Kuala Lumpur: Dewan Bahasa and Pustaka, pp. 39-55.

National Text Book

1. Daud, W.R.W. 2002. Prinsip Reka Bentuk Proses Kimia, Bandar Baru Bangi: Institusi Jurutera Kimia Malaysia, 322 pp.

Translated Books

1. Daud, W.R.W. (Translator) 1991. Pengenalan kepada Kendalian Pengeringan Secara Industri, Kuala Lumpur: Dewan Bahasa and Pustaka, 1991, translated from Keey, R. B. 1979. Introduction to Industrial Drying Operations, Oxford: Pergamom Press, 352 pp.
2. Daud, W.R.W., Salihon, J., Hamid, K.H.K., Abdullah, N. & Rahman, R.A. (Translators) 1994. Kejuruteraan Kimia : Rekabentuk, Vol. 6, Kuala Lumpur: Dewan Bahasa and Pustaka translated from Coulson, J. M. & Richardson, J. F. 1983, Chemical Engineering : Design, Vol. 6, Oxford: Pergamon Press, 971 pp..

**Editing of International Journals**

1. Daud, W.R.W. (Guest Editor) Special Issue of International Journal of Hydrogen Energy (SCOPUS/ISI) Volume 44, Issue 58 pages 30511-30787 (November 2019) on the 6th International Conference on Fuel Cells and Hydrogen Technology (ICFCHT 2017), 11-13 April 2017, Putrajaya, Malaysia.
2. Daud, W.R.W. (Guest Editor) Special Issue of International Journal of Hydrogen Energy (SCOPUS/ISI) Volume 42, Issue 14, Pages 8973-9352 (6 April 2017) on Sustainable Fuel Cell and Hydrogen Technologies: The 5th International Conference on Fuel Cell and Hydrogen Technology (ICFCHT 2015), 1-3 September 2015, Kuala Lumpur, Malaysia.
3. Daud, W.R.W. (Guest Editor) Special Issue of International Journal of Hydrogen Energy (SCOPUS/ISI) Volume 38, Issue 22 Pages 9360-9599 (26 July 2013) for the 3rd International Conference on Fuel Cell and Hydrogen Technology (ICFCHT2011), 22-24 November 2011, Kuala Lumpur, Malaysia.

**Editing of National Journals**

1. Daud, W.R.W. (Chief Editor), Othman, M., Ali, M.A.M., Mohamed, A., Fauzi, M., Taha, M.R., Sahari, J., Zain, F.M., Abdullah, N. & Muhamad, N. 1999. Jurnal Kejuruteraan, Vol. 11(1), 80 pp.
2. Daud, W.R.W. (Chief Editor), Othman, M., Ali, M.A.M., Mohamed, A., Fauzi, M., Taha, M.R., Sahari, J., Zain, F.M., Abdullah, N. & Muhamad, N. 1999. Jurnal Kejuruteraan, Jld 11(2), 101 pp.
3. Daud, W.R.W. (Chief Editor), Othman, M., Ali, M.A.M., Mohamed, A., Fauzi, M., Taha, M.R., Sahari, J., Zain, F.M., Abdullah, N. & Muhamad, N. 2000. Jurnal Kejuruteraan, Vol. 12, 116 pp.
4. Daud, W.R.W. (Chief Editor), Othman, M., Ali, M.A.M., Mohamed, A., Fauzi, M., Taha, M.R., Sahari, J., Zain, F.M., Abdullah, N. & Muhamad, N. 2001. Jurnal Kejuruteraan, Vol. 13, 125 pp.
5. Daud, W.R.W. (Chief Editor), Othman, M., Ali, M.A.M., Mohamed, A., Fauzi, M., Taha, M.R., Sahari, J., Zain, F.M., Abdullah, N. & Muhamad, N. 2002. Jurnal Kejuruteraan, Vol. 14, 107 pp.
6. Daud, W.R.W. (Chief Editor), Darus, Z.M., Mohammad, A.W., Haron, C.H.C., Ismail, A., Samad, S.A., Abdullah, S., Rashid, Z.A.A., Rahmat, R.A.A., Anuar, N. & Ismail, H.. 2003 Jurnal Kejuruteraan, Vol. 15, 105 pp.
7. Daud, W.R.W. (Chief Editor), Darus, Z.M., Mohammad, A.W., Haron, C.H.C., Ismail, A., Samad, S.A., Abdullah, S., Rashid, Z.A.A., Rahmat, R.A.A., Anuar, N. & Ismail, H.. 2004. Jurnal Kejuruteraan, Vol. 16, 103 pp.
8. Daud, W.R.W. (Chief Editor), Saidi, H., Masitah Hassan, Tow, T.T., Rahman, R.A., Aziz, R.A.. 2003. Jurnal Jurutera Kimia Malaysia. Vol.. 3. 105 pp.

Editing of National Conference Proceedings

1. Daud, W.R.W. (Chief Editor) & Sopian, K. (Editor), Kemajuan dalam Penyelidikan & Pengenmbangan Sel Bahan Api Malaysia (Advances in Malaysian Fuel Cell Research & Development), Admiral Cove, Port Dickson, 27 – 30 June 2003, 306 pp.
2. Daud, W.R.W. (Chief Editor), Mohammad, A.W., Tasirin, S.M. & Takriff, M.S. (Editors) 2000. SOMChE 2000, The Proceedings of the 14th Symposium of Malaysian Chemical Engineers, 743 pp.