




Curriculum Vitae

<p>I. Personal Particulars</p> <p>Name : PROFESSOR DR. MOHD SUFFIAN YUSOFF</p> <p>Position : Deputy Head, Solid Waste Management Cluster (SWAM@USM)</p> <p>Address : School of Civil Engineering, Universiti Sains Malaysia, Engineering Campus, 14300 Nibong Tebal, Pulau Pinang, MALAYSIA</p> <p>Contact : Phone: +604 599 6223; Mobile: +6019 552 2914 Email: suffian@usm.my</p> <p>Expertise: Solid Waste Management, Landfill Technology, Leachate/Wastewater Treatment</p>																																					
<p>II. A. Academic and Professional Qualifications</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Degree</th> <th>Discipline</th> <th>University</th> </tr> </thead> <tbody> <tr> <td>2006</td> <td>Doctor of Philosophy</td> <td>Environmental Engineering</td> <td>Universiti Sains Malaysia</td> </tr> <tr> <td>2000</td> <td>Master of Science</td> <td>Mineral Resources Engineering</td> <td>Universiti Sains Malaysia</td> </tr> <tr> <td>1995</td> <td>Bac. Of Agric. Science (Hons.)</td> <td>Agricultural Science</td> <td>Universiti Pertanian Malaysia</td> </tr> </tbody> </table> <p>B. Titles of postgraduate thesis</p> <ol style="list-style-type: none"> 1. The Effectiveness of Limestone Filter Media to Remove Ferum, COD and BOD from Leachate: A Case Study at Pulau Burung Semi Aerobic Landfill, PhD (Environmental Engineering). 2. Mineralogical Studies and Effect of Bio-Oxidation on Penjom Gold Ore, MSc. (Mineral Resources Engineering). 		Year	Degree	Discipline	University	2006	Doctor of Philosophy	Environmental Engineering	Universiti Sains Malaysia	2000	Master of Science	Mineral Resources Engineering	Universiti Sains Malaysia	1995	Bac. Of Agric. Science (Hons.)	Agricultural Science	Universiti Pertanian Malaysia																				
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<p>III. Work Experience</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Position</th> <th>Field of Work</th> <th>Place of Work</th> </tr> </thead> <tbody> <tr> <td>2017- to date</td> <td>Professor, VK7</td> <td>Environmental Engineering</td> <td>Universiti Sains Malaysia</td> </tr> <tr> <td>2012- 2017</td> <td>Associate Professor, DS54</td> <td>Environmental Engineering</td> <td>Universiti Sains Malaysia</td> </tr> <tr> <td>2008 –2012</td> <td>Senior Lecturer, DS52</td> <td>Environmental Engineering</td> <td>Universiti Sains Malaysia</td> </tr> <tr> <td>2007-2008</td> <td>Lecturer, DS45</td> <td>Environmental Engineering</td> <td>Universiti Sains Malaysia</td> </tr> <tr> <td>2006-2007</td> <td>Senior Manager</td> <td>Landfill Management,</td> <td>Idaman Bersih Sdn. Bhd.</td> </tr> <tr> <td>2004-2006</td> <td>Manager</td> <td>Solid Waste Management</td> <td>Idaman Bersih Sdn. Bhd.</td> </tr> <tr> <td>2001-2003</td> <td>Research Fellow, NSF</td> <td>Landfill Leachate Treatment</td> <td>Universiti Sains Malaysia</td> </tr> <tr> <td>2000</td> <td>Research Assistant</td> <td>Landfill Leachate Treatment</td> <td>Universiti Sains Malaysia</td> </tr> </tbody> </table>		Year	Position	Field of Work	Place of Work	2017- to date	Professor, VK7	Environmental Engineering	Universiti Sains Malaysia	2012- 2017	Associate Professor, DS54	Environmental Engineering	Universiti Sains Malaysia	2008 –2012	Senior Lecturer, DS52	Environmental Engineering	Universiti Sains Malaysia	2007-2008	Lecturer, DS45	Environmental Engineering	Universiti Sains Malaysia	2006-2007	Senior Manager	Landfill Management,	Idaman Bersih Sdn. Bhd.	2004-2006	Manager	Solid Waste Management	Idaman Bersih Sdn. Bhd.	2001-2003	Research Fellow, NSF	Landfill Leachate Treatment	Universiti Sains Malaysia	2000	Research Assistant	Landfill Leachate Treatment	Universiti Sains Malaysia
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<p>IV. Main Current Research Areas</p> <ol style="list-style-type: none"> 1. Solid waste management 2. Leachate treatment technology 3. Water and wastewater treatment 																																					

RESEARCH AND PUBLICATION

Research Book/Monograph

1. Mohd Nordin Adlan, Hamidi Abdul Aziz, Ismail Abustan, Md Azlin Md Said, Taksiah A. Majid, Mohd Suffian Yusoff, Azlinda Azman, Fatimah Denan, 2014, Projek Bekalan Air Untuk Masyarakat Kurang Mampu: Perlaksanaan, Cabaran dan Pemerkasaan Komuniti. Pusat Pengajian Kejuruteraan Awam USM, ISBN 978-967-349-198-8.
2. Mohammed J.K. Bashir, Hamidi Abdul Aziz, Mohd Suffian Yusoff, 2009, Optimization of Chemical Oxygen Demand (COD) Removal from Landfill Leachate by Anionic Resin using Response Surface Methodology in Persidangan Kebangsaan Kejuruteraan Awam Kelima Nor Azam Ramli et al., (eds) Pusat Pengajian Kejuruteraan Awam, Universiti Sains Malaysia, ISBN 978-983-42190-3-1, p34
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5. Mohd Nordin Adlan, Basil Pandong Anak Pian, Hamidi Abdul Aziz, Mohd Suffian Yusoff and Puganeshwary Palaniandy, 2009 Evaluation of Tank Design Parameters and Water Quality for the Newly Constructed Water Treatment Plant at Sg. Kampar in Persidangan Kebangsaan Kejuruteraan Awam Kelima Nor Azam Ramli et al., (eds) 2009 Pusat Pengajian Kejuruteraan Awam, Universiti Sains Malaysia, ISBN 978-983-42190-3-1, p43
6. Hamidi Abdul Aziz, Sabir Hussain, Mohd. Hasnain Isa, Shahrir Zahari and Mohd Suffian Yusoff (2005) Ammoniacal Nitrogen Removal From Domestic Wastewater By Adsorption Using Limestone And Activated Carbon, Midas Bulletin Jilid 33, Bil. 4, Okt- Dis 2005.

Journal/E-Journal/Journal Proceeding

1. Mohd Suffian Yusoff, Hamidi Abdul Aziz, Mohd Faiz Muaz Ahmad Zamri, Ahmad Zuhairi Abdullah, Noor Ezlin Ahmad Basri 2018 Floc behavior and removal mechanisms of cross-linked Durio zibethinus seed starch as a natural flocculant for landfill leachate coagulation-flocculation treatment, Waste management (New York, NY), in press, <https://doi.org/10.1016/j.wasman.2018.01.016>
2. Yusoff, M. S., Azwan, A. M., Zamri, M. F. M. A., & Aziz, H. A. (2017, October). Removal of colour, turbidity, oil and grease for slaughterhouse wastewater using electrocoagulation method. In AIP Conference Proceedings (Vol. 1892, No. 1, p. 040012). AIP Publishing.
3. Alrozi, R., Zubir, N. A., Kamaruddin, M. A., Yusoff, S. N. F. M., & Yusoff, M. S. (2017, September). Removal of organic fractions from landfill leachate by casuarina equisetifolia activated carbon: Characteristics and adsorption mechanisms. In AIP Conference Proceedings (Vol. 1885, No. 1, p. 020139). AIP Publishing
4. Sa'at, S. K. M., Zaman, N. Q., Yusoff, S. M., & Ismail, H. A. (2017, October). Investigation of the potential of *Cyperus alternifolius* in the phytoremediation of palm oil mill effluent. In AIP Conference Proceedings (Vol. 1892, No. 1, p. 040009). AIP Publishing.
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15. Kamaruddin, M.A., Abdullah, M.M.A., Yusoff, M.S., Alrozi, R. and Neculai, O., 2017, June. Coagulation-Flocculation Process in Landfill Leachate Treatment: Focus on Coagulants and Coagulants Aid. In Materials Science and Engineering Conference Series (Vol. 209, No. 1, p. 012083)
16. Kamaruddin, M. A., Yusoff, M. S., Ibrahim, N., & Zawawi, M. H. (2017, April). Resource recovery from municipal solid waste by mechanical heat treatment: An opportunity. In AIP Conference Proceedings (Vol. 1835, No. 1, p. 020031). AIP Publishing.
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29. Kamaruddin, M., **Yusoff, M. S.**, Aziz, H. A., Alrozi, R., & Zawawi, M. H. (2016). Optimization of Calcium Alginate Preparation in Aqueous by Response Surface Methodology. Journal of Engineering Research and Technology, 1(3).
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43. Mohd Faiz Muaz Ahmad Zamri, Mohamad Anuar Kamaruddin, Mohd Suffian Yusoff, Hamidi Abdul Aziz, and Keng Yuen Foo. (2015). Semi-aerobic stabilized landfill leachate treatment by ion exchange resin: isotherm and kinetic study. Applied Water Science, 1, 11.
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51. Siti Zubaidah Ahmad, Mohd Sanusi S. Ahamad, Mohd Suffian Yusoff; 2014, Spatial effect of new municipal solid waste landfill siting using different guidelines, Waste Management & Research, 32, 1, 24-33,
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Conference Presentation

1. Mohamad Anuar Kamaruddin, Mohd Suffian Yusoff, Hamidi Abdul Aziz, Awatif Md Isa, Classical Optimization of Process Variables In The Treatment of Textile Wastewater using Activated Carbon and Limestone Powder Containing Sea-Weed Binder. Proceedings on 1st Future University International Conference on New Energy & Environmental Engineering (ICNEEE 2016), Intercontinental City Stars Hotel, Nasr City, Cairo, Egypt, April 11-14, 2016.
2. Zaidi Ab Ghani and Mohd Suffian Yusoff, Development Of Activated Carbon From Banana Pseudo-Stem Via Single Step Of Chemical Activation, International Conference On Advanced Science, Engineering And Technology (ICASET 2015), Penang, Malaysia, 21-22 December 2015.
3. Ming Rui Lo, Mohd Suffian Yusoff, Hamidi Abdul Aziz and Mohd Faiz Muaz Ahmad Zamri, The Effectiveness Of Oil Palm Trunk Waste-Derived Coagulant For Landfill Leachate Treatment, International Conference On Advanced Science, Engineering And Technology (ICASET 2015), Penang, 21-22 December 2015
4. Mohamad Anuar Kamaruddin, Mohd Suffian Yusoff, Hamidi Abdul Aziz and Rasyidah Alrozi, Current Status Of Pulau Burung Sanitary Landfill Leachate Treatment, Penang Malaysia, International Conference On Advanced Science, Engineering And Technology (ICASET 2015), 21-22 December 2015
5. Nur Shaylinda Mohd Zin, Hamidi Abdul Aziz, Mohd Nordin Adlan, Azlan Ariffin, Mohd Suffian Yusoff, Irvan Dahlan, 2015, "A Comparative Study of Flocculation and Sludge of Leachate under Different Types of Coagulants, AWAM International Conference on Civil Engineering (eco-AICCE'15), 9-11 September 2015, PWTC Kuala Lumpur.
6. Mohd Faiz Muaz Ahmad Zamri, Mohd Suffian Yusoff, Hamidi Abdul Aziz, Mohd Anuar Kamaruddin, 2015, Optimization of COD and Color Removal for Matang's Landfill Leachate Treatment by Using Polyaluminum Chloride, AWAM International Conference on Civil Engineering (eco-AICCE'15), 9-11 September 2015, PWTC Kuala Lumpur.
7. Siti Zubaidah Ahmad, Mohd Sanusi S. Ahamad, Mohd Suffian Yusoff, 2015, A Comprehensive Review of Environmental, Physical and Socio-Economic (EPSE) Criteria for Spatial Site Selection of Landfills in Malaysia", AWAM International Conference on Civil Engineering (eco-AICCE'15), 9-11 September 2015, PWTC Kuala Lumpur.

8. Zaidi A. Ghani, Mohd Suffian Yusoff, Jeyashelly Andas, 2015, Review on Applications of Nanoparticles in Landfill Leachate Treatment", AWAM International Conference on Civil Engineering (eco-AICCE'15), 9-11 September 2015, PWTC Kuala Lumpur.
9. Nurazim Ibrahim, Hamidi Abdul Aziz, Mohd Suffian Yusoff, 2015, Natural Organic Matter and Disinfectant By-Products (DBPs) Formation Potential in Agriculture Area in Malaysia", AWAM International Conference on Civil Engineering (eco-AICCE'15), 9-11 September 2015, PWTC Kuala Lumpur.
10. Mohd Suffian Yusoff, Noor Aina Mohamad Zuki, 2015, Optimum of Treatment Condition for Artocarpus heterophyllus Seeds Starch as Natural Coagulant Aid in Landfill Leachate Treatment by RSM", AWAM International Conference on Civil Engineering (eco-AICCE'15), 9-11 September 2015, PWTC Kuala Lumpur.
11. Mohamad Anuar Kamaruddin, Mohd Suffian Yusoff, Abdul Hadi Ahmad, 2015, Waste to Wealth: Recovery of Recyclable Items and Biodegradable Wastes from Night Markets at Seberang Perai Selatan, Penang", AWAM International Conference on Civil Engineering (eco-AICCE'15), 9-11 September 2015, PWTC Kuala Lumpur.
12. Semi-Aerobic Landfill Leachate Treatment Using Oil Palm Trunk Waste-Derived Coagulant, The 5th AUN/SEED-net Regional Conference on Global Environment", Nov 21st– 22nd, 2012, Bandung, Indonesia
13. Landfill Site Selection Using GIS-MCE Constraint Mapping Technique , 2012, AWAM International Conference in Civil Engineering (AICCE'12) and Geohazard Information Zonation (GIZ'12). Penang Park Royal, 28th - 30th August 2012
14. Landfill Leachate Treatment using Powdered Activated Carbon-Augmented Sequencing Batch Reactor: Improvement of Performance, AWAM International Conference in Civil Engineering (AICCE'12) and Geohazard Information Zonation (GIZ'12). Penang Park Royal, 28th - 30th August 2012,
15. Mohammed J.K. Bashir*, Hamidi Abdul Aziz, Mohd Suffian Yusoff, 2012, Recycling Of The Exhausted Cation Exchange Resin For Stabilized Landfill Leachate Treatment , The 4th International Engineering Conference –Towards engineering of 21st century, Gaza
16. Application of Oil Palm Trunk Starch as Coagulant and Coagulant Aid for Semi-Aerobic Leachate Treatment, 2nd International Chemical and Environmental Engineering Conference, 25-27 November 2011, Kuala Lumpur Malaysia
17. Bukit Merah Reservoir Sedimentation Assessment, 2011, International Conference on Environment Science and Engineering (ICESE 2011), Bali Island, Indonesia, April 1-3, 2011
18. Food Waste Characteristics After Autoclaving Treatment, 2nd International Conference on Biotechnology and Food Science (ICBFS 2011), Bali Island, Indonesia, April 1-3, 2011
19. Comparison analysis of class A pan and piche evaporimeters for evaporation measurements under inaccurate data conditions in Akure, Nigeria, 2nd International Conference in Agricultural Engineering, Theme: Novelty, Clean and Sustainable, Chon-Chan Pattaya Resort, Chonburi, Thailand; 31 March -1 April 2011
20. Assessment of Groundwater Quality nears a Municipal Landfill in Akure Nigeria, 2011 2nd International Conference on Environmental Science and Technology (ICEST) 2011, Singapore. February 26-28, 2011
21. COD removal from landfill leachate using durian peel activated carbon–Application of response surface methodology. Proceedings of International Conference On Environment 2010 (ICENV 2010), Penang, Malaysia, 13-15 December 2010
22. Impact of Anion and Cation Status in the Paddy Field due to Excess Loading N Fertilizer at Kerian Agriculture Scheme, International Conference On Environment 2010 (ICENV 2010), Penang, Malaysia, 13-15 December 2010
23. Chemical Oxygen Demand (COD) Fractions on Semi Aerobic Landfill Leachate, International Conference On Environment 2010 (ICENV 2010), Penang, Malaysia, 13-15 December 2010
24. Removal of COD and Color Using Durian Peel Activated Carbon – Batch Adsorption and Kinetic Studies, 3rd Regional Conference on Natural Resources and Materials Engineering, Bayview Hotel, Langkawi, Malaysia October, 25-26 , 2010

25. Chemical Oxygen Demand (COD) Fractions on Semi Aerobic Landfill Leachate, 3rd Regional Conference on Natural Resources and Materials Engineering, Bayview Hotel, Langkawi, Malaysia October, 25-26 , 2010
26. Modelling Geotechnical Material To Study Adequacy Of Landfill Cover, 4th National, Seminar on Hajj Best Practices through Advances in Science & Technology, Eastin Hotel Penang, 27-29 July 2010
27. Adsorption Of Methylene Blue On Activated Carbon Prepared From Oil Palm Tree Sawdust. Proceeding of 2nd International Conference on Environmental Research and Technology (ICERT 2010), Penang, Malaysia. 2nd-4th Jun 2010
28. Removal of COD and Color Using Durian Peel Activated Carbon – Batch Adsorption and Kinetic Studies, The 3rd Regional Conference on Natural Resources and Materials (RCNRM 2010), Bayview Hotel, Langkawi, MALAYSIA, 25-26th October 2010
29. Chemical Oxygen Demand (COD) Fractions on Semi Aerobic Landfill Leachate, The 3rd Regional Conference on Natural Resources and Materials (RCNRM 2010), Bayview Hotel, Langkawi, MALAYSIA , 25-26th October 2010
30. Utilization of durian peel activated carbon (DPAC) for ammoniacal nitrogen (NH₃-N) removal from landfill leachate, Presented at 6th International Conference on Combustion, Incineration / Pyrolysis and Emission Control Putra World Trade Centre, Kuala Lumpur 26-29th July 2010
31. Quantification and Inactivation of Pathogenic Indicator Organisms in Landfill Leachate, Water & Industry 2009 Conference IWA Specialist Conference Chemical Industries, Palmerston North, New Zealand, 30 November – 2nd December 2009.
32. Geophysical study (2-D Electrical Imaging Method) at the closed Mina Landfill, Makkah. Presented at the 8th Meeting of the Saudi Society for Geosciences Jeddah, Saudi Arabia March 9-12, 2009
33. Optimization of Chemical Oxygen Demand (COD) Removal from Landfill Leachate by Anionic Resin using Response Surface Methodology. Persidangan Kebangsaan Kejuruteraan Awam Kelima (AWAM'09), Corus Hotel, Kuala Lumpur. 27-29 Oktober 2009
34. Leachate Qualities at Pulau Burung, Kuala Sepetang and Kulim Landfills - A Comparative Study Persidangan Kebangsaan Kejuruteraan Awam Kelima (AWAM'09) 27-29 Oktober 2009, Corus Hotel, Kuala Lumpur.
35. Food Waste Generation Rate and Composition at USM Cafeteria Persidangan Kebangsaan Kejuruteraan Awam Kelima (AWAM'09), Corus Hotel, Kuala Lumpur. 27-29 Oktober 2009
36. Evaluation of Tank Design Parameters and Water Quality for the Newly Constructed Water Treatment Plant at Sg. Kampar Persidangan Kebangsaan Kejuruteraan Awam Kelima (AWAM'09), Corus Hotel, Kuala Lumpur. 27-29 Oktober 2009
37. Study on Pesticide Loads on the Kerian Agriculture Scheme Persidangan Kebangsaan Kejuruteraan Awam Kelima (AWAM'09), Corus Hotel, Kuala Lumpur. 27-29 Oktober 2009
38. Can Landfill Leachate be A Potential Source of Pathogenic Bacteria? Persidangan Kebangsaan Kejuruteraan Awam Kelima (AWAM'09), Corus Hotel, Kuala Lumpur. 27-29 Oktober 2009
39. Restoration of closed mina landfill, Makkah: a perspective, paper presented at the Second National Seminar on Hajj Best Practices: Through Advances in Science & Technology, , Penang, Malaysia. 28th - 30th July 2009
40. Geophysical study (2-D Electrical Imaging Method) at the closed Mina Landfill, Makkah. Presented at the 8th Meeting of the Saudi Society for Geosciences Jeddah Saudi Arabia. March 9 – 12, 2009.

Patent

1. Hamidi Abdul Aziz, **Mohd. Suffian Yusoff**, Azmier, Haikal, Nasehir Khan, Fuad, Mohamad Nasran, Mohd. Nasrudin. Integrated Recycle Bio Bin (IRBB). Patent Search Ref. MyIPO, PI20095073

Research Grant

International

1. The Proposed Design and Tendering for the Proposed Design and Tendering for a Safe Closure of Muassim, Mina Disposal Site - Phase 1, Mayor Of Makkah, Kingdom of Saudi Arabia, RM365,700.00, Duration 1/5/2010-31/10/2012 (Team member)
2. The Proposed Design and Tendering for the New Phase of Landfill at Kakia Disposal Site - Phase 1, Mayor Of Makkah, Kingdom of Saudi Arabia, RM281,750.00, Duration 1/5/2010-31/10/2012. (Team member)
3. Gas Investigation At Ampang Jajar Landfill Site, Permatang Pauh, Penang (Total Number Of Wells 10), Fukuoka University, Japan, RM 13,000.00 31/12/2012 (Team member)
4. Gas Monitoring of Taiping Landfill, Fukuoka University, Japan, 3/8/2012-31/8/2013, RM7,185.00, (Project Member)

National

(i) Project Head

1. Disaster Relief and Preparedness: Capacity Building for Response and Recovery on Solid Waste Management for Flood Disaster Skim Geran Penyelidikan Fundamental (FRGS), Ministry of Higher Education, 1/4/2015-31/12/2015, RM 54,200.00
2. Penilaian Terhadap Permasalahan Bau di Tapak Operasi Jimat Jaya Sdn. Bhd., Private Agency, Kamarudin Harun Consultants Sdn. Bhd., 1/5/2015-31/7/2015, RM5,000.00
3. Water Quality Monitoring for the Proposed Develop and Construction of Fire Briged and Rescue Academy Tronoh, Perak. Private Agency (Mastac Engineering Sdn. Bhd.), 1/6/2012-31/1/2014, RM50,000.00.
4. Technical Review and Report Preparing for the Landfill Rehabilitation (Landfill Jelutong), Private Agencies, (Pdc Consultancy Sdn. Bhd.), 11/11/2013, 10/5/2014, RM50,000.00
5. Solid Waste Characteristics and Composition Study at Pulau Burung Landfill PLB-KH Bina Sdn. Bhd. 15/5/2014-31/12/2014, RM59,280.00
6. Analysis of Marine Water and Sediment Sample from Pulau Burung Landfill Area PLB-KH Bina Sdn. Bhd. 15/5/2014-31/12/2014 RM4,500.00

(ii) Co-researcher

1. Waste Management Cluster - No Geran 1001/CKT/870023,USM,RM500000, 1/1/2014 - 31/12/2015
2. University-Industry Collaboration For Human Resource Development to Meet Sustainability Challenges and New Green Entrepreneurship Opportunities in the Solid Waste Managemnt Industrv,Knowledge Transfer Programme (KTP),131917.5, 1/10/2015 - 30/9/2017
3. Fundamental Process Of Heterogeneous Photo-Catalysis (TiO₂)For Hospital Wastewater Treatment In Removal Of New Emerging Pollutants (NEP), KEMENTERIAN PENGAJIAN TINGGI, RM81,000.00, Puganeshwary A/p Palaniandy , 1/12/2013-31/5/2016
4. Analysis On The Influence Of Environmental, Physical, And Socio-Economic (EPSE) Spatial Variables As Applied In Spatial Decision Model For Landfill Site Selection, KEMENTERIAN PENGAJIAN TINGGI, RM97,500.00, Mohd Sanusi Bin S. Ahamad , 1/12/2013-30/11/2016

5. Enhancement of biodegradation ratio of anaerobic landfill leachate by ozonation/persulphate process, KEMENTERIAN PENGAJIAN TINGGI, RM126,300.00, Hamidi Bin Abdul Aziz @ Abdul Rahman , 1/7/2014-30/6/2017
6. Development of a Pilot Plant for Production of a New Material in Treating Municipal Solid Waste Leachate Treatment Kementerian Pengajian Tinggi RM366,000.00 Dalam Negara – Kerajaan 1/11/2011-30/4/2014
7. River Bank/Bed Filtration For Drinking Water Source Abstraction Kementerian Pengajian Tinggi RM2,696,150.00 Dalam Negara –Kerajaan 1/8/2012-31/7/2017
8. Towards Odour Pollution Regulation for Malaysia: A Comparative Study Between Olfactometry, the Accepted Method of Odour Measurement in Malaysia with Other Proven Techniques Regulated in Japan, Europe and New Zealand Kementerian Pengajian Tinggi RM100,000.00 Dalam Negara – Kerajaan 1/8/2012-31/7/2014
9. Geophysical Study (2-D Electrical Imaging And Transient Electromagnetic Method (TEM) At The Closed Mina Landfill, Makkah, Fundamental Grant Research Scheme (FRGS), Ministry of Higher Education, RM250,000, Duration, 01/10/2008-01/09/2010.
10. Characterization Semi- Aerobic Landfill Leachate Based on its Biodegration, Kementerian Pengajian Tinggi RM180,000.00 15/10/2007-15/10/2010
11. A study on bubblising velocity in the reaction zone of dissolved air flotation tank using laboratory model. Kementerian Pengajian Tinggi RM44,000.00 Dalam Negara -Kerajaan 1/5/2010-30/4/2012
12. Fundamental Process Of Heterogeneous Photo-Catalysis (TiO₂) For Hospital Wastewater Treatment In Removal Of New Emerging Pollutants (NEP) Kementerian Pengajian Tinggi RM81,000.00 Dalam Negara –Kerajaan 1/12/2013-30/11/2015
13. Analysis On The Influence Of Environmental, Physical, And Socio-Economic (EPSE) Spatial Variables As Applied In Spatial Decision Model For Landfill Site Selection Kementerian Pengajian Tinggi RM 97,500.00 Dalam Negara –Kerajaan 1/12/2013-30/11/2016
14. Enhancement of biodegradation ratio of anaerobic landfill leachate by ozonation/persulphate process Kementerian Pengajian Tinggi RM126,300.00 Dalam Negara –Kerajaan 1/7/2014-30/6/201

University

(i) Project Manager.

1. Development Of Natural Composite Adsorbent By Means Of Alginate Binder Aid For Landfill Leachate Treatment RUI (Individual) 1/3/2015 -28/2/2018, RM157,654.00
2. Development of *Durio zibethinus* Seed Starch as Novel Natural Coagulant for Landfill Leachate Treatment USM (RU) RM197,000.00 15/7/2012-14/7/2015
3. Efficiency of Ion-Exchange Resinto Remove Organic Materials from Semi-Aerobic Landfill Leachate USM Short Term RM34,238.00 15/12/2007-14/12/2009
4. Study On The Behavior Of Food Waste Conversion To Organic Organic Fertilizer By Means Of Mechanical Heat Treatment (MHT) USM (RU) RM92,000.00 1/1/2009

(ii) Co-researcher

1. Spatial decision model with environmental, physical and socio-economic (EPSE) variables for locating sustainable landfills within Peninsular Malaysia, USM (RU), RM123,000.00, Mohd Sanusi Bin S. Ahamad , 1/12/2013-31/5/2017
2. The Establishment Of Setback Distance Model For Odour From Palm Oil Mills, USM (RU), RM172,800.00, Nastaein Binti Qamaruz Zaman , 31/12/2014-31/12/2017

3. Pemerkasaan Komuniti Untuk Sistem Bekalan Air Bersih, University Community Transformation Centre (UCTC), RM31000, 1/3/2 015 - 29/2/2016
4. Proposal On Reengineering Of Agricultural Practice For The Improvement Of Padi Fields Farmers' Income In Northern Corridor Economic Region USM (RU) RM858,900.00 Universiti 10/10/2007-9/6/2011
5. Advancement Of The Best Waste Management Practice In The Northern Corridor Economic Region (NCER) USM (RU) RM1,000,000.00 Universiti 5/12/2007-4/8/2011
6. Horizontal Roughing Filter For Leachate Treatment USM (RU) RM169,000.00 Universiti 1/4/2010-31/3/2013
7. Synthesis And Characterization Of New Synthesis Polymeric Materials And Their Application In Selective Removal And Recovery Of Heavy Metals From Industrial Wastewater USM (RU) RM204,200.00 Universiti 1/8/2010-31/7/2013
8. Development of A Novel Modified Hybridized Anaerobic Inclining-Baffled (MHAI-B) Bioreactor for High-Rate Anaerobic Digestion of Pulp and Paper Mill Wastewater USM (RU) RM224,553.00 Universiti 1/12/2011-31/5/2015
9. Development of Composite Coagulant for Treatment of Partially Stabilized Landfill Leachate USM (RU) RM751,260.00 Universiti 14/7/2012-14/7/2016

SUPERVISION

Graduate Supervision

Post Doctoral

1. DR. CHRISTOPHER OLUWAKUNMI AKINBILE - Methane Emission of Rice Fields from Kerian Agricultural Scheme in Malaysia sponsored by TWAS-USM, August 2010 - September 2011.
2. DR. MOHAMAD ANUAR BIN KAMARUDDIN, Development of Natural Composite Adsorbent by Means of Alginate, sponsored by USM, November 2015 –October 2016

(i) Ph.D

NAME	TITLE	YEAR
1. Mohd Faiz Muaz Ahmad Zamri	Development of Durio zibethinus Seed Starch as Novel Natural Coagulant for Landfill Leachate Treatment (Main Supervisor/2)	2016
2. Muhammad Anuar Kamarudin	Development of carbon-mineral composite for the removal of recalcitrant compounds from textile effluent by sorption process (Main Supervisor/2)	2015
3. Zaidi Bin Ab Ghani (Notice Submitted)	Study on Hybrid Ag-Co Nanoparticles Loaded Activated Carbon on Wastewater Treatment (Main Supervisor/3)	2018 (expected)
4. Norazim Ibrahim	Evaluation of total coliform and E.coli at drinking water intake points of Sungai Langat, Sungai Perak and Sungai Kerian (Co-supervisor/2)	2018
5. Siti Zubaidah Ahmad	Development of an optimal sustainable landfill siting model based on the spatial characteristics of present landfills (Co-supervisor/2)	2018
6. Noor Ainee Zainol	Study of leachate treatment using ozonation and ultraviolet (O3/UV) (co-supervisor)	2015

7.	Siti Hidayah Abu Talib	Sedimentation studies and modelling of phosphorus deposition at Bukit Merah Resvoir (Main Supervisor/3)	2014
8.	Irnis Azura Zakarya	Utilization of Landfill gas as an alternative potential power source in Malaysia (co- supervisor/2)	2012
9.	Shuokr Qarani Aziz	Removal of Volatile Organic Compounds by Using Different Types of Aeration Systems (co-supervisor/2)	2012
10.	Ling Song Kai	Solid waste management in Sarawak (co-supervisor/2)	2011
11.	Mohammed J K Bashir	Removal of colour COD and Ammonical nitrogen from landfill leachate using anionic and cationic resin (co-supervisor/2)	2011

(ii) Master Degree (Research)

1.	Noor Aina Mohamad Zuki	Development of Jackfruit Seed Starch as Novel Natural Coagulant for Landfill Leachate Treatment	2016
2.	Nur Nasuha Ahmad Puat	Bio-Regenerative Treatments of Poultry Slaughterhouse Wastewater Using Bio-Fringe and White Jute (Corchorus Capsularis) Co-Supervisor	2015
3.	Siti Zubaidah Ahmad	Spatial Analytical Study on the Effect of Municipal Solid Waste Landfill Sitting Using Different Guideline and Policies (Co-Supervisor)	2012
4.	Nurazim Ibrahim	Treatment of Food Waste by Using Mechanical Heat Process (Main Supervisor)	2012
5.	Nor Hana Adam	Characterization semi-aerobic landfill Leachate. (Main Supervisor)	2011
6.	Mohamad Anuar Kamaruddin	Development of durian peel activated carbon for the removal of cod and colour from semi-aerobic landfill leachate (Main Supervisor)	2011
7.	Muhammed Umar	The Effect of Chlorination on landfill leachate (Co-Supervisor)	2010
8.	Nuramidah Hamidon	Intergrated River Basin Management (Co-Supervisor)	2010
9.	Nur Izzatul Akmal Mohd Zaki	Preparation Of Activated Carbon From Fruit Waste For The Removal Of Basic And Reactive Dyes (Co-Supervisor)	2015
10.	Awatif Md Isa	Development of Natural Composite Adsorbent by Means of Alginate Binder Aid for Landfill Leachate Treatment	Active
11.	Nurul Aini Zainol Abidin	Riverbank filtration by activated carbon, limestone and alginate as composit media.	Active

(iii) Doctoral Dissertation (Mixed mode)/MMed (Mixed Mode)**(iii) Master's Dissertation (Mixed Mode)**

1.	Ganga Lakshmanan	Enhancement of Feedstock Quality For Anaerobic Digestion Plant From Municipal Solid Waste	2017
2.	Miafara Datali	Treatment of Slaughter House Wastewater by Nano-Copper Solution	2015

3.	Azlyza Mohd Azman	Treatment Of Slaughterhouse Wastewater Using Electrocoagulation Method	2015
4.	Siti Sarah Ramli	Removal of Ammonia Nitrogen from Aquaculture Water Using Natural Media	2014
5.	Siti Nurfadzillah Hasbi	Durian Seed as Potential Natural Coagulant For Dye Wastewater	2013
6.	Yusof Ahmad	Treatment of Textile Wastewater Using Composite Filter	2013
7.	Nor Akmal Rizal Mansor	Potential of using durian seed as a natural coagulant and coagulant aid in treating printing industry wastewater	2012
8.	Intan Noorhilyati Md Musidek	Application Of Effective Microorganism (EM) For Sewerage Sludge Odor Control (Main Supervisor)	2011
9.	Mohd Farhan Ariff Anuar	Regeneration Of Industrial Waste Resin For Leachate Treatment (Main Supervisor)	2011
10.	Nur Khairiyah Basri	Study In The Effectiveness Of Effective Microorganism (EM) To Remove Some Pollutant In Leachate.(Main Supervisor)	2011
11.	Nur Syuhanis Maksir	Behavior Of Methane Emission From A Paddy Field: A Case Study In Kerian Agricultural Scheme.(Main Supervisor)	2011
12.	Sim Lan Ching	Leachate Treatment Using Coffee Grounds Activated with H ₂ SO ₄ as Low Cost Adsorbent (Main Supervisor)	2010
13.	Tan Wei Ying	The Potential of Aquatic Plants as Phytoremediator for Treatment of Aquacultural Wastewater (Main Supervisor)	2010
14.	Yasir Abdulsattar Jabbar Al-Hamadani	Psyllium Husk as Coagulant and Coagulant Aid in Wastewater Treatment (Main Supervisor)	2010
15.	Azrina Binti Abd Aziz	Leachate Treatment by Using silica Sand & Limestone as Media (Main Supervisor)	2010
16.	Lee Mei Shean	Characterization and Phytoremediation of Leachate Using Water Hyacinth (Eichornia Crassipes) (Main Supervisor)	2010
17.	Fatihah bt. Azmi	Biological Treatment of Semi-aerobic Young Leachate Using Yeast Extract (Main Supervisor)	2009
18.	Mohd. Hafiz bin Zawawi	Study of Dissolved Air Flotation Plant Performance in Malaysia and Flow Characteristics in Flotation Tank Using CFD (Main Supervisor)	2009
19.	Ezlina bt Othman	Treatment of Landfill Leachate Using Silica Sand (Main Supervisor)	2009
20.	Foo Keng Yuen	Municipal solid waste landfill leachate treatment by ion exchange process (Main Supervisor)	2008
21.	Saw Eng Toon	Treatment of landfill leachate using ultrasonic technology (Main Supervisor)	2008
22.	Nurul Syakira Binti Samsuri	Study on loads of pesticide at Kerian Agricultural Scheme (co-Supervisor)	2008
23.	Siti Hidayah Binti Abu Talib	Study on the excess loading fertilizer at Kerian Agriculture Scheme (Co-Supervisor)	2008

Undergraduate Supervision

(i) Final Year

Name	Year	Title
1. Natasha Amiera Binti Mohd Zulkifly	2017	Landfill Leachate Treatment by Using Nano Composite Adsorbent.
2. Nor Farah Azira Abd Aziz	2017	Treatment Of Wastewater From Manufacturing Rubber Industry By Using Limestone
3. Muhammad Hj Ismail	2016	Potential solid waste recycling at USM
4. Nurul Faizah Mohd Yusof	2016	Removal Of Organic Material From Landfill Leachate By Nano Copper Embedded Activated Carbon
5. Nur Aisyah Binti Zainuddin	2015	Treatment of Palm Oil Mill Effluent (POME) Using Bacteria
6. Siti Aishah Binti Mohd Pilus	2015	River Bank Filtration Using Composite Media
7. Munirah Atirah Binti Mat Saad	2015	Electrocoagulation Process for Leachate Treatment.
8. Muhammad Fathi Bin Abdul Aziz	2014	Leachate treatment by copper based ion/oxidizing agent
9. Muhammad A'riff Bin Baharum	2014	Design Analysis for Optimal Waste Collection Route Using GPS and GIS
10. Muhamad Farid Bin Mohd Nordin	2014	Filtration of river water using composite media
11. Khairunnisa Fakhriah Binti Mohd Omar	2013	Development of Natural Coagulant for Textile Wastewater Treatment from Oil Palm Trunk.
12. Nurul Zatul Amali Binti Mohd Zahari	2013	Comparison of Durian Starch Coagulant Extraction Method: A Case Study for Leachate Treatment.
13. Abdul Hadi Ali Bin Ahmad	2013	Waste Composition Study from Pasar Malam Activities in Seberang Perai Selamat, Pulau Pinang.
14. Lee Hsiang Chuan	2012	Removal Of Ammonium Nitrogen And Phosphorus From Landfill Leachate Using Effective Microorganism (EM).
15. Aida Zunadiya Binti Ahmad Zuki	2011	Leachate treatment using subsurface-flow constructed wetland by <i>cyperus haspan</i>
16. Nurhasniza Binti Abd Aziz	2011	Food waste treatment by wet thermal treatment
17. Umulnajwa Binti Samsudin	2011	Study on water quality and phosphorus content in sediment at Bukit Merah Reservoir
18. Nor Edriana binti Ahmad Pakri	2010	Grass Clipping Composting
19. Teh Nur Amalina Binti Mohd Zaki	2010	Potential of Durian seed starch as coagulant aid
20. Ashraf Munawwir Bin Idham	2009	Mechanical Heat Treatment Of Indah Water Konsortium Sdn. Bhd. Treatment Plant Sludge.
21. Farid Izwan Bin Mohd Razelan	2009	Comparative Study Of Ion Exchange Resin And Silica Sand As Leachate Treatment Media
22. Muhamad Khairi Bin Kassim	2009	Environmental Quality Monitoring At Majlis Perbandaran Langkawi Landfill Site
23. Muhammad Hafizuddin Bin Jamaluddin	2009	Efficiency Of Treatment Processes At Majlis Perbandaran Langkawi Landfill Site Treatment Plant

24. Rofardi Bin Fadzil	2009	Upgrading Of Agricultural Waste As A Compost Fertilizer.
25. Jamariza Bt Zainol	2009	Putrecible Waste Management At Usm Cafeteria
26. Nur Asyidah Binti Sulaiman	2009	Food Waste Generation And Composition At Subaidah Nasi Kandar Restaurants
27. Hilwani binti Andul Latib	2008	Stability and Maturity Analysis of Organic Waste Compost.
28. Mohd Hafiz bin Zawawi	2008	Characteristics Study Of Sludge and Sludge Generation From Indah Water Konsortium Sdn. Bhd. Treatment Plant.
29. Noor Azma binti Lui	2008	Analysis of the Heavy Metal and Nutrient in Aerobic Compost.
30. Tan Koon Tatt	2008	Ground Water Quality Monitoring At Pulau Burung Sanitary Landfill.
31. Tuan Borhanedi Tuan Jusoh.	2008	The Study On Landfill Safe Closure In Malaysia: A Case Study At Ampang Jajar Landfill Site.

ACADEMIC RECOGNITION AND LEADERSHIP

(b) Assessor / Examiner

(i) External Examiner for Thesis:

Title	Degree	University	Year
1. Treatment And Nutrient Recovery Of Landfill Leachate By Algae And Duckweed	PhD	National University of Sciences & Technology (NUST), Islamabad, PAKISTAN	2018
2. Comparative Study of Microwave Assisted Chemical Pretreatment for Enhanced Biofuel Production	M.Sc.	UTP	2016
3. Dry and Wet Capture of CO ₂ with industrial Alkaline Solid Residue	PhD	Anna University, Chennai, INDIA.	2015
4. Bioremediation of Biodiesel and Diesel Contaminated Soil by Using <i>Pseudomonas putida</i>	M. Sc	UTHM	2014
5. Treatment Of Leachate By Using Sequencing Batch Reactor (SBR)	M. Sc	UTHM	2014
6. Biodegradation of Batik Wastewater by Using <i>Lactobacillus delbruckii</i>	M. Sc	UiTM	2014
7. Olahan Larut Lesapan Menggunakan Elektrode Aluminium Dan Ferum Dalam Sistem Elektro-Penggumpalan	M. Sc	UTHM	2013
8. Vermiremediation, effective microorganisms treatment and mycoremediation of polycyclic aromatic hydrocarbon in soil and sewage sludge	M. Tech	UM	2012

9.	The Infulence Of Temperature And Filter Type On The Palm Oil Mill Effluent (POME) Reatment Using The Hybrid Up-Flow Anaerobic Sludge Blanket (HUASB) Reactor	M. Sc.	UTHM	2012
10.	Analytical Study of Solid Waste Generation Trends in Selected Cities in Malaysia	M.Tech.	UM	2010

(ii) Internal Examiner for Thesis:

Doctor of Philosophy

	Name	Title	Year
1.	Nurhanim Abdul Azziz	Treatment of waste concrete by using <i>Basilus subtilis</i>	2018
2.	Husin Faraji	Performance of SBR enhanced with zeolite and raw municipal waste water in the treatment of POME	2017
3.	Siti Hafizan Hassan	Development of waste quantification Model for Malaysian Housing Construction Project: Case Study for Brick and Mosaic Waste	2017
4.	Nurashikin Yaacof	The establishemnt of suitabel setback distance for malodor mitigation from palm oil mill	2017
5.	Arezo Fereidonian Dashti	Removal Turbidity Cod Colour Suspended Solid And NH ₃ -N From Palm Oil Mill Effluent Using Limestone Roughing Filter	2017
6.	Dheaaa Al Deen Atallah Aljuboury	Enhancement Of Photocatalytic Process In The petroleum Wastewater Treatment At Sohar Oil Refinery, Oman	2016
7.	Nor Aida Binti Saad	Energy Use Implication Of Effluent Quality Targets In The Oxidation Ditch Process	2016
8.	Muhamad Faizal Pakir Mohamed Latiff	Preparation of Activated carbon from agricultural waste for removal of heavy metal	2015
9.	Siti Roshayu Hassan	Anaerobic Digestion of Recycled Paper Mill Effluent (RPME) Using Modified Anaerobic Hybrid Baffled (MAHB) Reactor: Performance, Mechanism, Kinetic and Hydrodynamics Studies	2015
10.	Muhd Nazmi Ismail	The effectiveness of activated carbon from pandanus leaves as an adsorbent in wastewater treatment	2015
11.	Oluwakemi Kehinde Fagbenro	Removal of Color, Suspended Solids And COD From Textile Wastewater Using Clinoptilolite And Persulfate	2015
12.	Abdalla Mohamed M Gebril	Biodegradation of Libyan Light Crude Oils using in-situ Molasses Technique	2015
13.	Tamer Mousa Diab Alslaibi	Physical chemical treatment of hospital wastewater using activated carbon prepared from olive stones	2014
14.	Maher A.Y. Elbayoumi	Assessment of Indoor Air Quality, Thermal Comfort and Health Symtoms in Naturally and Mechanically Ventilated Classrooms	2014
15.	Rana Ibrahim Alkhalili	Assessment Of Treated Wastewater Irrigation Of Selected Crops	2014
16.	Amin Mojiri	Landfill leachate and domestic wastewater treatment using sequencing batch reactor (SBR) and ZELIAC augmented process	2014
17.	Salem S.S. Abuamro	Treatment of stabilized leachate by ozone/Fenton in the advanced oxidation process	2013

18.	Jaber M.A. Alkassseh	Economic Level Of Non-Revenue Water In Kinta Valley Using Statistical And Artificial Neural Network Methods	2013
19.	Mohd. Ariff Bin Ahmad Nazri	Integrated methods using isotope and geophysical techniques for shallow ground water - water losses studies in channel irrigation system	2013
20.	Seyedmohammad Hosseini	Enhancement of Bio-Composting efficiency by Thermochemical pretreatment process	2013
21.	Mohamed Osman Saeed	Development Of Standard Landfill Criteria For New Potential Landfill Site In Malaysia Using Multicriteria Decision Analysis (MCDA).	2011
22.	Abdelsalam O.Giebril	Factors Effecting Public Participation In The Recycling Of Municipal Solid Waste In Libya: A Case Study Of Benghazi City.	2011
23.	Puganeshwary Palaniandy	Treatment Using Coagulation Process Prior To Dissolved Air Floatation (DAF)	2011
24.	Kamarudin Samuding	Distribution of pollutants and effects to groundwater system at Taiping Sanitary Landfill Perak Malaysia	2010
25.	Leila Mohajeri	Process parameters Optimization for bioremediation of crude oil in contaminated coastal sediments	2010
26.	Tengku Noriati Tengku Izhar	Locational Difference of Gaseous Emission Effects From A Semi-aerobic Landfill to Conurbations	2010
27.	Nasehir Khan b. EM Yahaya	Development of Rice Husks based Activated carbon For Improving Urban Dry Weather Flow Quality at Sungai Pinang River basin	2010
28.	Zawawi b. Daud	Coagulation and Flocculation of Semi Aerobic Leachate in Removing COD Ammonia Colour and Suspended Solids	2008
29.	Abdelnaser Omran Ali	Attitude of Malaysian Households on Recycling of Solid Waste	2007

Master's

	Name	Title	Year
1.	Hajar Binti Abu Bakar	Disinfection Of Bio-Medical Waste Using Gamma Irradiator	2012
2.	Norrimi Rosaida Awang	A Fundamental Study On Decomposition And Settlement Of Municipal Solid Waste	2011
3.	Nor Asmaliza Mohd Noor	Water Quality Modelling Of Constructed Wetland Using Prewet Model : A Case Study Bioecods USM	2009
4.	Jaya Paul a/l Arumai Dhas	COD Reduction of Textile Waste Water	2008

Master's (mixed mode)

	Name	Title	Year
1.	Tan Wan Yeng	Characterization, Fate and Transport of Zinc Oxide Nanoparticles with the Presence of Ferrous Sulphate in Aqueous Suspension	2017
2.	Nor Aini Bt Rahim	Potential Use Of Dimorcarpus Longan Seed As Flocculant In Landfill Leachate Treatment	2016

3.	Nur Baitul Izati Binti Rasli	Comparison Of Public And Private Indoor Space In Accordance To Industry Code Of Practice (ICOP) For Indoor Air Quality	2016
4.	Nor Atiqah Azmi	Sequencing Batch Reactor Treated Palm Oil Mill Effluent by Constructed Wetland Planted with <i>Cyperus alternifolius</i> Species and Palm Oil Fuel Ash	2015
5.	Siti Nor Hidayah Abu Bakar	Treatment of Leachate Using Calcinated Limestone for Removal of COD, Ammonia and Color	2014
6.	Nur Izzati Mohamad Sobri	Extraction and Application of Starch-Based Coagulants from Saga Trunk for Semi-Aerobic Landfill Leachate Treatment	2014
7.	Nur Aziemah Abd Rashid	The Effects of Soil Properties on the Removal of Colour, Iron, Turbidity and E.Coli for River Bank Filtration	2013
8.	Yan Kun	The Control of Food Wastes Odor Through Use of Baking Soda	2013
9.	Tan Wei Chen	Influence of Meteorological Factors on the Formation of Ozone from Nitrogen Dioxide	2012
10.	Nur Aziemah Abd Rashid	The Effects of Soil Properties on the Removal of Colour, Iron, Turbidity and E.Coli for River Bank Filtration	2012
11.	Yan Kun	The Control of Food Wastes Odor Through Use of Baking Soda	2012
12.	Adilah Binti Haji Hussain	Treatment of Shrimp Pond Wastewater Using Chicken Feather as Adsorbent	2012
13.	Nur Atiqah Binti Sham	The Potential of Biosolid from Jelutong Sewerage Treatment Plant (JSTP) for Compost Production	2012
14.	Siti Nor Hidayah Binti Abu Bakar	Treatment of Leachate using A Combination of Limestone, Zeolite and Activated Carbon using Horizontal Roughing Filter (HRF)	2012
15.	Somaia M.O. Tayeh	Color Removal From Synthetic Dye and Textile Wastewater Using Adsorbent Prepared From Psyllium Husk.	2011
16.	Helen Jong Wan Ting	The Effects of the Filter Media Configuration on the Removal of Turbidity, Colour and COD for Landfill Leachate Using Horizontal Roughing Filter.	2011
17.	Cheong Wai Keong	Treatment of Semi-Aerobic Leachate by Raw and Modified Limestone.	2011
18.	Musfirah Mohd Syaifu	Removal Of Strontium (Sr) Zinc (Zn) Chloride (Cl) And Total Dissolved Solids (TDS) In Seawater By Using Composite Adsorbent	2011
19.	Muhamad Afiq Mahat	Evaluation Of Odour Levels From Municipal Solid Waste Sludge At Bayan Baru Treatment Plant.	2011
20.	Mohammadraghi Vakili	Compost Production From Palm Oil Bio Waste.	2011
21.	Noor Aniqah Johari	Pre-Treatment Of River Water Using Bentonite & Modified Kaolin Clay.	2011

22.	Chew Xiau Sing	The Predictions Of Transformation Of Sulphur Dioxide And Non-Methane Hydrocarbon To Ozone Using Multiple Linear Regressions Techniques.	2010
23.	Aimi Nadiyah Mohamad Ibrahim	Wastewater Treatment Using Bentonite and Combination of Bentonite as Coaculant	2010
24.	Siri Ranumi A/P Bab Sing	Sorption of Dye Wastewater by Using Natural Zeolite - Limestone and Modified surfactant – Zeolite	2010
25.	Sia Ming Choung	Groundwater Studies Using Soil Analysis Resistivity Imaging and Hydrochemistry Method in Kerian Irrigation Scheme	2010
26.	Rachel Goh Soo Yin	Issues And Applications Of Environment And Safety In Construction Practices In Malaysia : A Case Study In Nibong Tebal Pulau Pinang	2010.
27.	Nor Azalina bt. Rosli	Optimization of Flotation Tank for Dissolved Air Flotation Process Using Centrifugal Fluid Dynamic (CFD)	2009
28.	Chan Kok Wah	Wastewater Treatment by Using Derivation of Coconut Shells and Zeolite as adsorbent	2009
29.	Lim Han Khim	Leachate Treatment by Using Red Mud As Coagulant	2009
30.	Nur Shafieza Binti Azizan	Evaluation of sanitary landfill settlement by different composition of waste using physical method	2008
31.	Manogari A/P Sundram	Ammonia COD and colour removal from prawn pond effluent using composite media.	2008
32.	Shabnam Khosravi Haftkhani	Treatment of landfill leachate using a combination of Fenton & coagulation/flocculation techniques	2008
33.	Siti Hanum Binti Abu Hairy	Evaluation for environmental risk assessment parameters due to the hill slope developments in Penang Island	2008
34.	Marniyati Binti Mamat Noor	Chemical Oxidation of Treated Textile Effluent by Hydrogen Peroxide and Fenton Process	2007
35.	Miskiah Fadzilah Binti Ghazali	Stabilization and Solidification of Textile Wastewater Sludge	2007
36.	Zarizi Bin Awang	Electrochemical Treatment of Slaughterhouse Wastewater	2007
37.	Yau Woon Lee	A Case Study on Paper Recycling Processes in Seberang Perai Selatan and Public Awareness Towards Waste Paper Recycling	2007

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