

CURRICULUM VITAE



Prof. Madya Dr. Hasfalina Che Man

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Education

1. PhD. Wastewater Treatment, 2006, University of Newcastle upon Tyne, U.K.
2. Bachelor of Chemical and Process Engineering, 1999, National University of Malaysia (UKM).

Areas of Interest

1. Bio-environmental Engineering, Environmental Engineering, Wastewater Treatment, Agricultural Waste Management

Professional Qualification/ Membership/ Affiliation

1. Honorary Secretary, Malaysian Society Agricultural Engineering (MSAE) 2013- 2017
2. Vice President (Admin), MSAE 2017-2019
3. Member, ICheme, Institution of Chemical Engineers. Since 2011
4. Graduate Member, The Institution of Engineers, Malaysia (IEM). Since 2011
5. Graduate Member, Board of Engineers Malaysia (BEM). Since 2011
6. Member, Association of Academician of UPM, Since 2010
7. Member, mSET : Malaysian Society for Engineering and Technology. Since 2010
8. Member, Malaysian Water Association. Since 2010
9. Profesional Member, American Society of Agricultural and Biological Engineers. Since 2008
10. Member, Biochar Association of Malaysia. Since 2018

Appointments

Position	Duration
1. Postgraduate Coordinator, Department of Biological and Agricultural Engineering, Faculty of Engineering, UPM	September 2015 to date
2. Supervisor to a Postdoc (Dr Nadavala Siva Kumar), Faculty of Engineering, UPM	August 2013- August 2014
3. Coordinator of Occupational, Safety and Health, Faculty of Engineering UPM	2011- 2014
4. Technical Committee Immersion Programme, Faculty of Engineering UPM	January 2013– January 2014
5. Head of Environmental Biosystem Lab, Department of Biological and Agricultural Engineering, Faculty of Engineering, UPM	February 2010 to date
6. Coordinator of Industry and Community Relations, Department of Biological and Agricultural Engineering,	January 2010– January 2014



Faculty of Engineering, UPM

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| 7. | Postgraduate Coordinator Department of Biological and Agricultural Engineering, Faculty of Engineering, UPM | 2009- 2011
2009- 2010 |
| 8. | Practical Training Coordinator Semester II 2009/2010 Department of Biological and Agricultural Engineering, Faculty of Engineering, UPM | |
| 9. | Head of Postgraduate with Thesis (Agricultural Waste Engineering), Department of Biological and Agricultural Engineering, Faculty of Engineering, UPM | August 2007 to date |
| 10. | Head of Academic (Bioprocess & Environmental) | August 2007- August 2009 |
| 11. | Technical Committee for Emergency Response Planning (ERP), Department of Biological and Agricultural Engineering, Faculty of Engineering, UPM | 2006- 2008 |
| 12. | Coordinator of Final Year Project (KBP 3919 B) for Undergraduate Students 2005/2006 | 2005- 2008 |
| 13. | Senior Lecturer (DS52), Department of Biological and Agricultural Engineering, Faculty of Engineering UPM | 1 January 2009 |
| 14. | Associate Professor (DS54), Department of Biological and Agricultural Engineering, Faculty of Engineering UPM | 1 August 2012 |

Publications

Journals

1. Hameed, Y.T., Idris, A., Hussain, S.A., Abdullah, N., **Hasfalina, C.M.**, Suja, F. (2018) A tannin-based agent for coagulation and flocculation of municipal wastewater as a pretreatment for biofilm process. *Journal of Cleaner Production*. 182, pp. 198-205, Q1
2. Shamshiri, R.R., Ibrahim, B., Ahmad, D., **Hasfalina, C.M.**, Wayayok, A. (2018) An overview of the system of rice intensification for paddy fields of Malaysia. *Indian Journal of Science and Technology*. Vol. 11 (18). ISSN (online) 0974-5645.
3. Abdikani, A.M., Rowshon, K., Hadi, H.M., Nasehir Khan, E.M.Y., Mohamed Azwan, M.Z., **Hasfalina, C.M.**, Aimrun, W. (2018) An assessment of the vertical movement of water in a flooded paddy rice field experiment using Hydrus-1D. *Water*, 10(6), 783
4. Che Hamzah, N.H., Yahya, A., **Hasfalina, C.M.**, Azhari, S.B., (2018) Effect of pretreatments on compost production from shredded oil palm empty fruit bunch with palm oil mill effluent anaerobic sludge and chicken manure. *Bioresources*. Vol.13, No.3, pp. 4998-5012, Q1
5. M.N.A. Uda, Subash, C.B. Gopinath, **C.M. Hasfalina**, S. Faridah, S.N. Bunawan, W. Nur Sabrina, N.A. PArmin, Uda Hashim, M.N., Afnana Uda, M. Mazidah (2018) Production and purification of antibody by immunizing rabbit with rice tungro bacilliform and rice tungro spherical viruses. *Process Biochemistry*. Vol.68, pages 37-42, Q1
6. Ramin Shamshiri, R., Jones, J.W., Thorp, K.R., Ahmad, D., **Hasfalina, C.M.**, Sima, T. (2018) Review of optimum temperature, humidity, and vapour pressure deficit for microclimate evaluation and control in greenhouse cultivation of tomato: a review. *Int. Agrophysics*. 32,287-302
7. Ramin Shamshiri, Wan Ishak Wan Ismail, **Hasfalina Che Man**, Desa Ahmad (2017). Membership Function Model for Defining Optimality of Vapor Pressure Deficit in Closed-field Cultivation of Tomato. II International Conference on Agricultural and Food Engineering. *Acta Horticulturae*. DOI 10.17660/ActaHortic.2017.1152.38, 281-290
8. N.M.L. Hanira, **C.M. Hasfalina**, M. Rashid, C.A. Luqman, A.M. Abdullah (2017) Pre-treatment of ammonia-nitrogen (NH₃-N) removal from scheduled waste leachate by air stripping. *Desalination and Water Treatment*. 68, 330-337

9. Nurul Hanira Mat Lazim, **Hasfalina C.M.**, A. Sani, M.Rashid (2017) Pre-Treatment Ammonia Removal of scheduled waste leachate with hydrated lime and caustic soda. *Jurnal Teknologi*, Vol 79 (No.1) 107-118
10. N.M.L. Hanira, **C.M. Hasfalina**, M. Rashid, C.A. Luqman, A.M. Abdullah (2017) Effect of dilution and operating parameters on ammonia removal from scheduled waste landfill leachate in a lab-scale ammonia stripping reactor. *IOP Conf. Series: Materials Science and Engineering* 206, 012076 doi:10.1088/1757-899X/206/1/012076
11. Ramin Shamshiri, Wan Ishak Wan Ismail, **Hasfalina Che Man**, Desa Ahmad (2017). Digital Growth Response Map for Assessment of Cooling Requirement in Greenhouse Production of Tomato. II International Conference on Agricultural and Food Engineering. *Acta Horticulturae*. DOI 10.17660/ActaHortic.2017.1152.16, 117-124
12. R.Z. Maryam, **C.M. Hasfalina** and C.A. Luqman. (2017) Kinetic Study for Copper (II) Removal from Aqueous Solution by Adsorption onto Unmodified Kenaf Fibre. *Acta Horticulturae*. DOI 10.17660/ActaHortic.2017.1152.35, pp.257-264
13. M. N. A. Uda, **C. M. Hasfalina**, A. A. Samsuzana, S. Faridah, Rafidah A. R., U. Hashim, Shahrul A. B. Ariffin, and Subash C. B. Gopinath (2017) Determination of set potential voltages for cucumber mosaic virus detection using screen printed carbon electrode. *AIP Conference Proceedings* 1808, 020056. doi: 10.1063/1.4975289
14. A. H. Nabilah Huda, M. T. Ramlah, M. I. Aida Isma, G. Siti Aisyah, A. Nor Munirah and **C.M. Hasfalina**. (2016) Polysulfone Membrane Tests For Nutrients Reclamation Of Kenaf Retted Wastewater. *Jurnal Teknologi*. 78 (1-2): 59-63, Scopus
15. C. O. Akinbile, O. R. Semowo, T. E. Babalola and **C. M. Hasfalina**. (2016) Assessment Of The Influence Of Continuous And Intermittent Irrigation On Greenhouse Gas Emissions From Paddy Rice. *Jurnal Teknologi*. 78 (1-2): 1-7, Scopus
16. P. Fazli, **C. M. Hasfalina**, M. Z. Mohamed Azwan, M. S. Umi Kalsom, A. R. Nor Aini and I. Azni. (2016) Methane Emission From Paddy Soil In Relation To Soil Temperature In Tropical Region. *Jurnal Teknologi*. 78 (1-2): 87-91, Scopus
17. A. A. Peter, **C. M. Hasfalina** and M. B. Abdulahi. (2015) Assessment Of Agrochemicals Effect On Soil And Groundwater Of Chanchaga Irrigation Scheme In Minna, North Central Nigeria. *Jurnal Teknologi*. 76 (15): 103-110, Scopus
18. A. Nika, **C. M. Hasfalina**, A. R. Nor'Aini, N. Nima and Y. Yignan. (2016) Enhanced mesophilic bio-hydrogen production of raw rice straw and activated sewage sludge by co-digestion. *International Journal of Hydrogen Energy*. (IF=4.053) Q2. Article in press. DOI: <http://dx.doi.org/10.1016/j.ijhydene.2015.08.106>
19. H.C. Shakeel, **C. M. Hasfalina**, S. L. Teang, N. M. Nawaz Mirani, M. R. Mahadi. (2015) A study on the Quality of Wheat Grain Stored in Straw-Clay Bin. *Journal of Biodiversity and Environmental Sciences*. Vol 6 (1): 428-437,
20. A. A. Peter, **C. M. Hasfalina**, S. Mohd. Amin, T. A. Mohammed and C. O. Akinbile. (2015) Poultry Waste Generation, Management and The Environment: A Case of Minna, North Central Nigeria. *Journal of Solid Waste Technology and Management*. 41(2): 146-156,
21. C. O. Akinbile, A. O. Temitope, **C. M. Hasfalina** and A. A. Hamidi. (2015) Phytoremediation of Domestic Wastewaters in Free Water Surface Constructed Wetlands using *Azolla Pinnata*. *International Journal of Phytoremediation*. doi:10.1080/15226514.2015.10583309 (IF=1.719) Q2
22. **C. M. Hasfalina**, C. O. Akinbile and C. X. Jun. (2015) Coconut Husk Adsorbent for the Removal of Methylene Blue Dye from Wastewater. *BioResources*. 10 (2): 2859-2872, (IF=1.425) Q1
23. M. J. Fauzie, M. M. Z. Azwan, **C. M. Hasfalina** and T. A. Mohammed. (2014) Performance Evaluation and Characteristics of Selected Tube Wells in the Coastal Alluvium Aquifer, Selangor. *Pertanika J. Sci. & Technol*. 22 (1): 213 – 225,
24. N. Huda, M. Rashid and **C.M Hasfalina**. (2014) Particulate Emission from Agricultural Waste Fired Boiler. *International Journal of Innovation and Applied Studies*. 8 (3): 1265-1295,
25. H. S. Shakeel, **C. M. Hasfalina**, T. S. Lee and B. N. Mirani. (2014) Effects of storage methods, storage duration and different geographical locations on quality of stored wheat (*Triticum aestivum*) in Sindh, Pakistan. *Journal of Biodiversity and Environmental Sciences*. 5 (4): 378-392,
26. D. Negisa, I. Azni, T. Paul, A. A. Astimar, A. B. Rosenani and **C. M. Hasfalina**. (2014) Phytoremediation Potential of Vetiver System Technology for Improving the Quality of Palm Oil Mill Effluent. *Advances in Materials Science and Engineering*. 1: 1-10, (Impact Factor= 0.90) Q4
27. A. A. Peter, **C. M. Hasfalina**, M. S. Amin, T. A. Mohammed and C. O. (2014) Akinbile. Groundwater Quality of Shallow Wells on Nigerian Poultry Farms. *Polish J. Environ. Stud*. 23 (4): 21-31,
28. V. Sreenivasulu, N. Sivakumar, **C. M. Hasfalina** and A. Krishnaiah. (2014) Method development and validation for quantitative determination of 2-acetoxy methyl-4- methoxy-3,5-dimethyl pyridine, an impurity, esomeprazole magnesium (API) active pharmaceutical ingredient by LC-ESI-MS/MS. *Journal of Chemical and Pharmaceutical Research*. 6(5): 1014-1021,
29. T. R. T. Yusof, **C. M. Hasfalina**, A. R. Nor' Aini and H. Halimatun Saadiah. (2014) Optimization of Methane Gas Production from Co-digestion of Food waste and Poultry Manure Using Artificial Neural Network and Response Surface Methodology. *Journal of Agricultural Science*. 6 (7): 27-37,

30. A.Sani, M.Rashid, N.Hanira and **C.M. Hasfalina**. (2014) The influence of pH on the removal of ammonia from a scheduled waste landfill leachate. *Jurnal Teknologi*. 68 (5): 25-28,
31. P. Fazli, **C. M. Hasfalina**, M. Azwan, M. S. Umi Kalsom, A. R. Nor Aini and I. Azni. (2014) Evaluation of methane oxidizer bacteria in the rice soil in Malaysia. *International Journal of Enhanced Research in Science Technology & Engineering*. 3 (3): 360-367, (IF= 1.252)
32. M.N.A.Uda, T. Adam, **C.M. Hasfalina**, Z. Faridah, U.Hashim and A. A. Shahrul. (2014) Reviewed Immunosensor Format Using Nanomaterial for Tungro Virus Detection. *Advanced Materials Research*. 832: 410-414,
33. M. H. Hamzah, **C. M. Hasfalina**, J. Hishamuddin and Z. A. Zurina. (2014) Comparison of Citronella oil extraction from *Cymbopogon nardus* Grass by Ohmic-heated hydrodistillation, hydro-distillation and steam distillation. *BioResources*. 9(1): 256-272, (IF=1.425) Q1
34. A. A.Shukor, A. M. Latifah, **C. M. Hasfalina** and N. S. Kumar. (2014) Column dynamic studies and breakthrough curve analysis for Cd(II) and Cu(II) ions adsorption onto palm oil boiler mill fly ash (POFA). *Environmental Science and Pollution Research*. Springer Berlin Heidelberg. (IF=2.828) Q1
35. A. A.Shukor, A. M. Latifah, **C. M. Hasfalina** and N. S. Kumar. (2015) Equilibrium studies and dynamic behavior of cadmium adsorption by palm oil boiler mill fly ash (POFA) as a natural low-cost adsorbent. *Desalination and Water Treatment*. 54(7): 1956-1968, (IF=1.173) Q3
36. A. A.Shukor, A. M. Latifah, **C. M. Hasfalina** and N. S. Kumar. (2014) Kinetic Modeling and Isotherm Studies for Copper (II) Adsorption onto Palm Oil Boiler Mill Fly Ash (POFA) as a Natural Low-Cost Adsorbent. *BioResources*. 9(1): 336-356, Q1
37. P. A. Adeoye, **C. M. Hasfalina**, M. S. M. Amin, A. M. Thamer and C. O. Akinbile. (2014) Environmental Implication of Poultry Waste Generation and Management Techniques in Minna, Semi-arid Region of Nigeria. *Annual Research & Review in Biology*. 4(10): 1669-1681,
38. K. N. Siva, **C. M. Hasfalina** and W. Heung-Sik. (2014) Biosorption of Phenolic Compounds from Aqueous Solutions using Pine (*Pinus densiflora* Sieb) Bark Powder. *BioResources*. 9(3): 5155-5174, (IF=1.425) Q1
39. M.N.A. Uda, **C.M. Hasfalina**, S. Faridah, I. Zamri, B. Siti Noraini, U. Hashim, A. A. Shahrul, T. Adam. (2013) Comparative Study Between Elisa And Surface Plasmon Resonance (Spr) For Rice Tungro Disease Detection. *Journal of Applied Sciences Research*. 9(11): 5568- 5571,
40. M. F. Jusoh, M. Z. Mohammed Azwan, **C. M. Hasfalina** and T. A. Mohammed. (2012) Performance of Shallow Tube Well on Groundwater Irrigation in Tropical Lowland Rice Cultivation Area. *Sains Malaysiana*. 42 (8): 1101-1108, 2012.
41. P.Fazli, **C. M. Hasfalina**, M. Azwan, I. Azni, M. S. Umi Kalsom and W. Aimrun. (2013) Effect of cultivation system on the methane emission from rice soil. *International Journal of Engineering and Technology (IJET)*. 10 (2): 73-81,
42. P. Fazli, **C. M. Hasfalina**, M. S. Umi Kalsom and I. Azni. (2013) Characteristics of Methanogens and Methanotrophs in Rice Fields: A Review. *Asia Pacific Journal Molecular Biological and Biotechnology*. 21(1): 3-17,
43. M. Mohammadi, H. Mohd Ali, P. Lai-Yee, Y. Shirai, **C. M. Hasfalina** and A. Hidayah. (2012) Intracellular polyhydroxyalkanoates recovery by cleaner halogen-free methods towards zero emission in the palm oil mill. *Journal of Cleaner Production*. 37: 353-360, (IF=3.84) Q1.
44. M.H. Hamzah, **C. M. Hasfalina**, H. Jamaludin, Z.Z. Abidin. (2012) Optimization and Kinetics Study of Oil Extraction from Citronella Grass by Ohmic Heated Hydro Distillation. *International Journal of Chemical Engineering and Applications*. 3(3): 173-177, Scopus
45. M. Mohammadi, M. A. Hassan, Y. Shirai, **C. M. Hasfalina**, A. Hidayah, Y. Lian-Ngit, T. Mumtaz, C. Mei-Ling and P. Lai-Yee. (2012) Separation and Purification of Polyhydroxyalkanoates from Newly Isolated *Comamonas* sp. EB172 by Simple Digestion with Sodium Hydroxide. *Separation Science and Technology*. 47: 534-541, (IF= 1.015) Q3.
46. C.M. Hasfalina, R.Z. Maryam, C.A. Luqman, M.Rashid. (2010) The potential use of kenaf as a biosorbent for the removal of copper and nickel from single and binary aqueous solution. *Journal of Natural Fibers*. Volume 7, No. 4, 267 -275, (IF=0.46,Q3)

Books/Chapters in book

1. Insight into enhanced biological phosphate removal (EBPR); mechanism, process and its microbial. (2011) LAP Lambert Academic Publisher. ISBN: 978-3-8433-8104-8.
2. Adaptive Management Framework for Evaluating and Adjusting Microclimate Parameters in Tropical Greenhouse Crop Production Systems (2017) Redmond Ramin Shamshiri, Kelly Thorp , Muhammad Razif Mahadi, Desa Ahmad, Wan Ishak Wan Ismail, Hasfalina Che Man and Abd.Jamil Zakaria. INTECH Publication. Book title: Plant Engineering. ISBN 978-953-51-5282-8.
3. Treatment of scheduled waste landfill leachate: Perspective in Malaysia. Hasfalina, C.M., Nurul Hanira, M.L., Aida Isma, M.I., M.Rashid, M.Y., Luqman Chuah, A., Daniel, I.O. In *Nutrients, Wastewater and Leachate: Testing, Risks and Hazards*. (2018) Environmental

Research Grants

No	Project Title	Amount (RM)	Year	Source of Fund
1.	Methane production from co-digestion of sewage sludge and decanter cake	20,000	2016-2018	Putra Siswazah Grant
2.	Treatment of Palm Oil Mill Effluent (POME) using combination of baffled-Air Flotation and Membrane Bioreactor	86,000	2017-2019	Putra Impak Grant
3.	Study on the performance of palm oil mill boiler fuel ash (POMBFA) and palm oil mill boiler bottom ash (POMBBA) as potential filler with hot mix Asphalt (HMA) pavement for low-cost road purposes	20,000	2017-2019	Putra Siswazah Grant
4.	Characterization of Carbon and Greenhouse Gas Emissions of Repeated Burnt Peat Swamp Forest In Peninsular Malaysia	102,200 (Member)	2015-2017	FRGS (by Ministry Of Higher Education)
5.	Behavioural pattern of groundwater pollution by poultry waste using MODFLOW simulation model	USD 5,000	2016-2017	TWAS International Grant
6.	Precision farming applications in planting, disease control and water management for sustainable rice production	664,200	2015-2017	Putra IPB Grant
7.	Immunosensor Development for Tungro Disease Detection in Paddy Plantation	167,900	2014-2016	Putra IBT Grant
8.	Ammonia Removal From Leachate of a scheduled waste landfill	30,500	2013-2015	Putra IPS Grant
9.	Gaharu Oil Extraction by Ohmic Heater Hydrodistillation	15,000	2012-2013	RUGS (UPM)
10.	Methane-oxidizer bacteria (MOB) characterization in paddy soil as methane sequester for green environment	110,000	2011-2013	ERGS (by Ministry Of Higher Education)
11.	The use of shallow groundwater as source of irrigation in rice cultivation area.	30, 000	2008-2010	RUGS (UPM)
12.	Performance study of pulse ohmic heating for Herb's Oil Extraction	100, 000	2007-2009	FRGS (by Ministry Of Higher Education)
13.	New Lecturer Grant Scheme 2007: A Prototype Batch Ohmic Heating System For Small Scale Quality Food Processing.	10, 000	2007	RUGS (UPM)

Awards/Recognition

No	Name of awards	Title	Award Authority	Award Type	Year
1.	Silver Medal	Pact Detect Kit: Immunosensor for plant diseases	MAGis, Mardi	National	2015
2.	Teaching Award	Certificate of Excellent Teaching	Faculty of Engineering, UPM	University	2013, 2011, 2010, 2009, 2007, 2016, 2015
3.	Service Award	Certificate of Excellent Service	University Putra Malaysia (UPM)	National	2013, 2012, 2010
4.	Gold Medal	Eco-friendly non-halogenated method for recovery of intracellular	ITEX2011 (International Invention, Innovation & Technology) By MOSTI	International	2011
5.	Invited Speaker	Molecular Approach in Teaching: Denaturing gradient gel electrophoresis (DGGE) and Fluorescence in situ Hybridization (FISH)	University of Maejo, Chiang Mai, Thailand	International	2010
6.	Gold Medal	Efficient Recovery Method for Intracellular Polyhydroxyalkanoates by Non-solvent System	Exhibition of Innovation, Research and Invention UPM (PRPI), 2010.	National	2010
7.	Bronze Medal	Biohydrogen production from food waste fermentation	Exhibition of Innovation, Research and Invention University Putra Malaysia (PRPI), 2010.	National	2010
8.	Invited Speaker	Application of Denaturing gradient gel electrophoresis (DGGE) and Fluorescence in situ Hybridization (FISH) in Environmental Studies	Institute of Bioscience, UPM	University	2008
9.	Bronze Medal	A prototype batch ohmic heating system for small scale food processing.	Exhibition of Innovation, Research and Invention UPM (PRPI), 2007.	National	2007
10.	Bronze Medal	The application of Multivariate analysis and artificial neural network for predicting suspended solids using Microsoft Excel	Exhibition of Innovation, Research and Invention UPM (PRPI), 2006.	National	2006



11.	Bronze Medal	Cost and Time Effective Sampling – Use of chemometrics in the sustainable utilization of water resources: Langat Basin as a Case Study.	Exhibition of Innovation, Research and Invention UPM (PRPI), 2006.	National	2006
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Professional Services

	Role	Title	Year
1.	Guest Editor	Jurnal Teknologi Vol.78, No.1-2 (2016) Volume II Solution for Sustainable Water and Environmental Management for Special Issue Pawees and INWEPF International Conference (PIJIC2015)	2016
2.	Supervisor to Dr Christopher Akinbile	UPM-TWAS Visiting Scholar Fellowship	2015
3.	Expert Panel	Committee for Grant Evaluation at University Level	2015
4.	Reviewer	Desalination and Water Treatment Journal	2015
5.	Guest Editor	Jurnal Teknologi Vol. 76, No 15 : Solution for Sustainable Water and Environmental Management. Special Issue Pawees and INWEPF International Conference (PIJIC2015)	2015
6.	Reviewer	International Conference of Agricultural and Food Engineering 2014 (Cafei2014)	2014
7.	Guest Editor	Agriculture and Agricultural Science Procedia (Elsevier) for International Conference on Agricultural and Food Engineering 2014 (Cafei2014)	2014
8.	Technical reviewer	Environmental Science and Pollution Research Journal	2014
9.	Technical reviewer	Journal of Engineering Science and Technology (JESTEC)	2014
10.	Technical reviewer	Technical reviewer of Journal of Water and Climate Change	2014
11.	Honorary Secretary	Malaysian Society of Agricultural Engineers (MSAE)	2013/ 2015
12.	Editor	Agriculture and Agricultural Science Procedia (Elsevier)	2014
13.	Technical reviewer	African Journal of Biotechnology	2011/2014
14.	Technical reviewer	British Journal of Applied Science & Technology	2014
15.	Technical reviewer	Pertanika	2011/2012/2013/2014
16.	Technical reviewer	IEM Journal	2010/2012
17.	Technical reviewer	International Journal of Engineering and Technology (IJET)	2008/2011/2012
18.	Technical reviewer	International Conference of Agricultural and Food Engineering 2012 (Cafei2012)	2012
19.	Technical reviewer	African Journal of Agricultural Research	2012
20.	Technical reviewer	International Food Research Journal	2012
21.	Technical reviewer	African Journal of Food Science	2012
22.	Technical reviewer	Journal of Toxicology and Environmental Health Sciences	2012
23.	Technical reviewer	Industrial Crops and Products	2012



24.	Technical Paper Manager	International Conference of Agricultural and Food Engineering 2012 Proceeding (Cafei2012)	2012
25.	Treasurer	Organizing Committee for the World Research & Innovation Convention on Engineering & Technology (WRICET2012)	2012
26.	Guest Editor	Pertanika Journal Science and Technology. Vol. 20 (1) Jan. 2012. Selected Articles from the WEC2010, Natural Resources and Green Technology	2012
27.	Guest Editor	Pertanika Journal Science and Technology. Vol. 20 (2) July 2012. Selected Articles from the WEC2010, Natural Resources and Green Technology.	2012
28.	Editorial Board	International Journal of Environmental Health Sciences (Pollution and Control). Azad University	2011
29.	Secretary	International Conference on Natural Resources and Green Technology, World Engineering Congress 2010.	2010
30.	Session Chair	Conference on Smart Farming 2009 in conjunction with International Advanced Technology Congress (ATCI 2009) at PWTC, KL	2009
31.	Panel Expert	Biochar Malaysia Workshop.	2009
32.	Research Associate	Smart Farming Technology Research Centre, UPM.	2009 till to date
33.	Technical reviewer	International Journal of Environment and Waste Management	2008
34.	Technical reviewer	Technical reviewer of Jurnal Teknologi. UTM	2007
35.	Technical reviewer	Journal Applied Microbiology	2006
36.	Technical reviewer	Journal of tropical Agricultural Science	2016
37.	Technical reviewer	Environment Protection Engineering	2016
38.	Technical reviewer	Petroleum Science and technology, Taylor and Francis	2018
39.	Technical reviewer	Chemosphere	2018
40.	Technical reviewer	Thermal Science	2018

Main Supervisor (PhD students)

No.	Name	Title	Status
1.	Pardis Fazli	Effects of cultivation system and temperature on methane emissions, water consumption and methane-oxidizer bacteria communities in paddy soil	Graduated
2.	Adeoye Peter Aderemi	Assessment of shallow groundwater pollution by poultry waste in Minna, Nigeria	Graduated
3.	Shakeel Hussain Chattha	Methods of grain storage and their effects on grain quality of wheat in Sindh, Pakistan	Graduated
4.	Nurul Hanira Mat Lazim	Ammonia Removal From Leachate of a scheduled waste landfill	Graduated
5.	Ahmed Rufai Dahiru	Risk assessment and prediction of heavy metal in selected rivers sediment in Malaysia	On-Going
6.	Abdulsalam Mohammed	Treatment of POME using combination of Baffled-Air Flotation and Membrane Bioreactor	On-Going
7.	Sivakumar a/I Pallikodathan	Enhancement of methane production from palm oil effluent at a full scale anaerobic digester	On-Going
8.	Mohammed Umar Abba	Hazardous leachate treatment by hybrid system of membrane and air stripping	On-Going

Main Supervisor (MSc Students)

No.	Name	Title	Status
1.	Maryam Rahmati Zadeh	Adsorption potential of Kenaf for Copper and Nickel Removal from aqueous solution	Graduated
2.	Fauzi Jusoh	Evaluation of groundwater potential for irrigation at the Seberang Perak Aquifer, Malaysia	Graduated
3.	Muhammad Hazwan Hamzah	Optimization and kinetics of Citronella Oil extraction by Ohmic heated Hydrodistillation	Graduated
4.	Tengku Roslina Tuan Yusof	Optimization of methane gas production from co-digestion of poultry manure and food waste using Artificial Neural Network (ANN) and Response Surface Methodology (RSM)	Graduated
5.	Nika Alemahdi	Hydrogen production from sewage sludge and paddy straw	Graduated
6.	Muhammad Nur Aiman bin Uda	Immunosensor Development for Tungro Disease Detection in Paddy Plantation	Graduated
7.	Norshafiqah Khairul Anuar	Methane production from co-digestion of sewage sludge and decanter cake	On-going
8.	Mohd Shaifuudin Mohd Natzri	Various soil strength on studies by incorporating eco-friendly material from palm oil waste with asphalt pavement for practical road purposes	On-going