

RESEARCHER'S BACKGROUND

Name	Associate Professor Ir. Dr. Mohd. Fadhil Md Din
Faculty	Faculty of Civil Engineering
Research Interest(s)	<ol style="list-style-type: none"> 1. Environmental Technology and Sciences 2. Sustainability Sciences and Application 3. Heat Behaviour in Environmental Application 4. Water and Wastewater Technology 5. Environmental Policy and Monitoring 6. Environmental modelling and assessment
Research Entity	<ul style="list-style-type: none"> • Research Group Leader of Waste Recovery Research Group • Associate Member of Centre for Environmental Sustainability and Water Security (IPASA)
UTM Administrative Post (if any)	<ul style="list-style-type: none"> • Director of UTM Sustainability Campus, 2015-2017 • Member/Expert of UTM Haze Task Force
Membership in Professional Bodies/Association	<ol style="list-style-type: none"> 1. Corporate Member, Institution of Engineers, Malaysia (IEM), 2012. Registration No. S19516 2. Graduate Member (Board of Engineers, Malaysia) (BEM), 2005. Registration No. 46338A. 3. Member, International Water Association (IWA), 2009. Special Committee in Activated Sludge, Water and Wastewater System, Environmental Sustainability and Solid Management. Registration No.100346 4. Consultant and Subject Specialist, Department of Environment Malaysia, 2012 – 2017. Registration No.: CS 0265. Registered area: Water Quality, Wastewater, Air Quality and Odour, Solid Waste Management and Quantitative Risk Assessment 5. Ordinary Member, Malaysian Water Association, 2005. Registration No.: 0841. Appointed as Committee of MyWA Training Programme 6. Member, Society of Engineering Education Malaysia (SEEM). Registration No.: PO161. Registered area: Civil Engineering. 7. Member, Institute of Marine Engineering, Science and Technology. Registration No.: 8027724. Registered Area: Marine Environment and Pollution

RESEARCH PROFILE

Publication	<ul style="list-style-type: none">• Article: 28• Review: 5• Conference Paper: 3
Citation	176
H-index	7
Intellectual property rights (IPR)	16 IPRs (Copyrights, granted patent, granted utility innovation) <ol style="list-style-type: none">1. Experimental Study of Cool-Roof Technology for Combating Urban Heat Island Effects2. Cool Pavement Technology from Wasted Tiles Material3. Experimental Study on Cool-Wall for Reducing the Effects of Urban Heat Island4. Application of Different Types of Paint on Asphalt Pavement and Roof5. Experimental Study on Cool-Curtain Technology for Reducing Urban Heat Island Effects6. Module- Sludge Treatment7. Module-Reticulation of Sewerage System8. Hybrid Activated Sludge Reactor9. Chemical Mixing Processes in Water Treatment Video Clip(Case Study: Mersing Water Treatment Plant)10. Water Disinfection Video Clips (Case Studies: Sungai Layang and Semangar Water Treatment Plants)11. Water Treatment Processes in " PusatPenyelidikanTernakan Air PayauGelangPatah" Video Clip12. Water Treatment Process in Sungai Sayong Water Treatment Plant Video Clip13. Wastewater Treatment Process in Sewage Treatment Plant Video Clip.14. Wastewater Treatment Process in Palm Oil Mill Factory Video Clip.15. Recycling and Reduction of Waste Video Clip16. Public Health & Environmental Issues Video Clips

RESEARCH SUPERVISION

Completed	<ul style="list-style-type: none">• PhD: 8• MSc: 19
Current	<ul style="list-style-type: none">• PhD: 10• MSc: 5

AWARDS & RECOGNITIONS

1. Product of "Cool Island Pavement", joint-venture with TGCA, Japan and IRDA. MTE 2013 exhibition Silver Medal.
2. Product of "Aerated Concrete from Palm Oil Bottom Ashes and Fly-ash", joint-venture with Asset Const Inc, Japan and NIT, Japan. MTE 2013 exhibition, Bronze medal.
3. Cool-Island Pavement Towards Combating Urban Heat Island Phenomenon in the City. Dr. Mohd Fadhil Md Din, Prof. KenzoIwao, P.M. Dr.Shreeshivadasan a/l Chelliapan, Nickholas Anting anak Guntor, Lee Yee Yong, Norazuin Abu, Zarith Elda Abd Kadir. Bronze Medal.
4. Development of Practical Mosquito Trap to Control Mosquito-Borne Disease. Dr. Mohd Fadhil Md Din, Prof. KenzoIwao, TAKEDA Co., Sairuddin Ahmad Baharuddin, Hesam Kamyab, Muhammad Zuhdi Sulong @Abdul Razak. Bronze Medal.
5. Aerated Concrete from Agro-Industrial Waste for Building Thermal Reduction. Dr. Mohd Fadhil Md Din, Dr. Zainura Zainon Noor, Prof. KenzoIwao, Prof. Dr. Warid Hussin, Eeyzah Aminuddin, Sophia Anak Jimmy, Hazlini Dzinun. Bronze Medal.
6. "M-Trap" for Practical Mosquito Trap to Control Mosquito-Borne Disease. Seoul International Invention Fair (SIIF) 2013. November 29th – December 2nd 2013. Gold Medal.
7. Cool-Island Pavement. Seoul International Invention Fair (SIIF) 2013. November 29th – December 2nd 2013. Bronze Medal.
8. Cool-Island Aerated Concrete. Seoul International Invention Fair (SIIF) 2013. November 29th – December 2nd 2013. Gold Medal.

CONTRIBUTIONS

1. **Participant**, Gotong Royong Batu Pahat, Parit Yaani, Sri Medan. (10 February 2007)
2. **Adviser**, Program Anak Angkat Kampung Teminin, Kota Tinggi, Johor (July 2007)
3. **Adviser**, Program Anak Angkat Kampung Felda Adela, Pengerang, Kota Tinggi Johor (May 2008)
4. **Supervisory**, in Summer Course 2009, Sustainable Production: Improving Eco-Efficiency. CTL Hall, UTM, Skudai. (1 - 19th June 2009).
5. **Exhibitioner**, Program Khidmat Masyarakat Dan Pendidikan Perkasa Anak Desa. Kampung Pok, Gelang Patah, Johor. (15 – 16 May 2015)
6. **Organizer**, Kem Pemimpin Muda Prihatin Air Kebangsaan (Zon Selatan) 2015. Organized by JKPLPA IHP – UNESCO. (2015)
7. **Facilitator**, Kem Pemimpin Muda Prihatin Air (Zon Borneo) 2015 Peringkat Kebangsaan. Universiti Malaysia Sarawak, Kota Samarahan, Sarawak. (18-20 August 2015)
8. **Participant**, Program Generasi Sihat Dan Hijau 2015. Rumah Iskandar Malaysia, Gelang Patah, Johor. (23 Mei 2015)

CONTACT

Telephone	+6075531530
E-Mail	mfadhil@utm.my
Website	http://civil.utm.my/mfadhil