

FAEIZA BUYONG

(MyRA IMPACT ACTIVITIES)

(Please use this template as primary impact activities, other information please include as attachment)

Name :	Faeiza Buyong
Faculty :	Faculty of Applied Sciences
Staff No :	170697
Grade of Position (VK7/DM54/DM52 etc)	DM52
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BASIC PROFILE

Lecturer DM45/DM46/DM51/DM52/DM53/DM54

Appointments	Date/Year of Appointment
Lecturer DM45/DM46	1 July 2002
Year of Birth :	1975
Ph.D Qualification (Year Obtained)	2014
Professional Qualification (Year Obtained)	

POSTGRADUATE SUPERVISION

(Only those within last five years, Please indicate if it is at other institutions)

ON-GOING POSTGRADUATE (RESEARCH) SUPERVISION (Includes Co-supervision)

	Students Name	Institutions	Year Enrolled	Year End
1	Mohd Suzairiff Zainal	UiTM	April 2013	2017
2	Hazwani Hasmi	UiTM	September 2013	2018
3	Mohamad Hidayat Haider	UiTM	2014	

RESEARCH FUNDINGS (State whether Principal/Co-Researcher)**NATIONAL LEVEL ACTIVE RESEARCH FUNDING (MOSTI/FRGS & Others) (Last Five Years)**

	Research Project	Source	Total Funds	Begin Year	End Year
1	Geran Dana ERGS 600-RMI/ERGS 5/3) untuk projek "Influence of Catalyst in the Upgrading of Bio-gasoline Derived from Combinational Pyrolysis of Mixture of Sewage Sludge and Jathropa (Co-Researcher)	KEITTHA	RM85,000.00	1 January 2012	31 December 2014
2	Geran Dana FRGS 600-RMI/FRGS 5/3 (46/2013) bagi projek " Methane Gas Oxidation Characterization of Landfill Cover Soils (Principal Investigator)	KPT	RM73,000.00	1 April 2013	30 Mac 2015
3	Shift In Diversity and Abundance of Terrestrial Algae Assemblages (Chlorophyta, Chroococcales) Exposed to Atmospheric Pollutants Released From Motor Vehicles (Co-Researcher)	RAGS (MOE)	RM 80,000	2013	2015
4	Geran Penyelidikan Kursi Perubahan Iklim UKM –YSD 100-RMI/PRI 16/6/2 (4/2015)				
5	600-IRMI/GIP 5/3 (0060/2016) Geran Inisiatif Penyeliaan (GIP)1/2016 Optimization of Bio-Hydrogen Production Through Anaerobic Digestion of Corn Waste Ketua Penyelidik	UiTM	RM 25, 000	2016	2017
6	600-IRMI/GIP/5/3(0061/2016) Extended Exposure of Carbon-Based Atmosphere Pollutants to Algae and Lichens	UiTM	RM 20,000	2016	2017
7	600-IRMI/DANA 5/3/KK (012/2017)Optimising Creativity and Internal Expertise to Desigh and Execute Repair of Kuala Keniam UiTM-Perhilitan Research Station – Water Filtering System Ketua Penyelidik	UiTM	RM 21,000	2017	2018
8	600-IRMI/DANA 5/3/KK (013/2017)Optimising Creativity and Internal Expertise to Desigh and Execute Repair of Kuala Keniam UiTM-Perhilitan Research Station – Garden and Domestic Waste Management	UiTM	RM 24,000	2017	2018

PUBLICATIONS (Only those indexed in IEEE/ISI/SCOPUS)

(Please ensure that you indicate whether papers are indexed in IEEE/ISI/Scopus, also indicate the impact factor if available)

PUBLICATION FOR 2017

1. Asmida Ismail, Sarah Diyana Marzuki, Nordiana Bakti Mohd Yusof, Faeiza Buyong, Mohd Nizam Mohd Said, Harinder Rai Sigh, Amyrul Rafiq Zulkifli. Epiphytic terrestrial algae (*Trebouxia* sp.) as a biomarker using the Free-Air-Carbon Dioxide-Enrichment (FACE) system. *Biology* 6 (1), 19

PUBLICATION FOR 2016

1. Hazwani Hasmi, Asmida Ahmad, Faeiza Buyong. 2016. Methane Production from Poultry Waste; Effect of Different Types of Pre-treatment. *Science Letters* 10, 2
2. Mohd Suzairiff Zainal, Faeiza Buyong, Nurul Ain Mat Riping. 2016. Global Journal of Engineering and Technology Review. *Global Journal of Engineering and Technology Review* 1 (1), 1-8

PUBLICATION FOR 2015

1. Ihsan Alwi, Asmida Ismail, SitiKhairiyah Mohd Hatta, Faeiza Buyong, Norashirene Mohamad. 2015. Bark pH as a factor affecting the density of epiphytic terrestrial algae in Taman Wetland Putrajaya, Malaysia. *Journal of Applied and Physical Sciences* 1 (1), 13-18
2. FB Mohd Suzairiff Zainal. 2015. Effects of organic matter addition to landfill soil cover to enhance methane oxidation
3. *Journal of Scientific Research and Development* 2 (12), 48-55
4. Nurul Atikah Mohd Fozi Faeiza Buyong, Mohd Suzairiff Zainal. 2015 Preliminary study of methane oxidation in landfill cover soil: The effect of Moisture Content. *Research Journal of Applied Sciences* 10 (10), 598-602

PUBLICATION FOR 2014

1. **Faeiza, B.**, Mohd Suzairiff, Z., and Noor Syazwana, M. R. 2014. Effects of Moisture Content in Methane Oxidation of Landfill Cover Soil from Jeram Sanitary Landfill. *Proceeding of the Soil Science Conference of Malaysia 2014: Soil Management and Environment*. 8-10 April 2014. Putra Palace, Kangar, Perlis. 344pp.

PUBLICATION FOR 2012

1. N. Miskolczi, , **F. Buyong**, P.T. Williams. Olefin Rich Fraction for Polymer Additive Synthesis Obtained from Waste Materials (RDF and MPW). *Procedia ACPBEE* 3 (2012) 264 – 269

PUBLICATION FOR 2011

1. N. Miskolczi, N. Borsodi, **F. Buyong**, A. Angyal, P.T. Williams "Production of pyrolytic oils by catalytic pyrolysis of Malaysian refuse-derived fuels in continuously stirred batch reactor. *Fuel Processing Technology* Volume 92, Issue 5, May 2011, Pages 925-932
2. N Miskolczi, N Borsodi, A Angyal, F Buyong, PT Williams. Converting of MSW into Valuable Hydrocarbons by Pyrolysis: Effect of Paper/Plastic Ratio and Reaction Time. *Journal of Energy and Power Engineering* 5 (4), 291-299

PUBLICATION FOR 2010

1. N. Miskolczi, **F. Buyong**, A. Angyal, P.T. Williams and L. Bartha. "Two stages catalytic pyrolysis of refuse derived fuel: Production of biofuel via syncrude". Bioresource Technology. Volume 101, Issue 22, November 2010, Pages 8881-8890.
2. N. Miskolczi, A. Angyal, P.T. Williams, **F. Buyong**. "Thermogravimetric analysis and pyrolysis kinetic study of Malaysian refuse derived fuels. Journal of the Energy Institute, 2010. Vol 83, No 3: 125-132

PUBLICATIONS FOR 2009