

CURRICULUM VITAE

A. BUTIR-BUTIR PERIBADI <i>(Personal Details)</i>			
Nama Penuh <i>(Full Name)</i>	Mohd Izuan Effendi Bin Halmi		Gelaran <i>(Title)</i> : Dr
No. MyKad / No. Pasport <i>(Mykad No. / Passport No.)</i>	Warganegara <i>(Citizenship)</i> Malaysia	Bangsa <i>(Race)</i> Melayu	Jantina <i>(Gender)</i> Male
Jawatan <i>(Designation)</i>	Senior Lecturer	Tarikh Lahir <i>(Date of Birth)</i>	10/07/1988

Alamat Semasa <i>(Current Address)</i>	Jabatan/Fakulti <i>(Department/Faculty)</i>	E-mel dan URL <i>(E-mail Address and URL)</i>
Tel:	Department of Land Management, Faculty Of Agriculture, Universiti Putra Malaysia, 43400, Serdang Selangor Tel:03-89474958 Fax:	Email: m_izuaneffendi@upm.edu.my URL:

B. KELAYAKAN AKADEMIK <i>(Academic Qualification)</i>			
Nama Sijil / Kelayakan <i>(Certificate / Qualification obtained)</i>	Nama Sekolah Institusi <i>(Name of School / Institution)</i>	Tahun <i>(Year obtained)</i>	Bidang pengkhususan <i>(Area of Specialization)</i>
Bachelor of Science (Hons)	Universiti Putra Malaysia	2010	Biochemistry
Master of Science	Universiti Putra Malaysia	2013	Biochemistry
Doctor of Philosophy	Universiti Putra Malaysia	2015	Biochemistry

C. KEMAHIRAN BAHASA <i>(Language Proficiency)</i>					
Bahasa / Language	Lemah <i>Poor (1)</i>	Sederhana <i>Moderate (2)</i>	Baik <i>Good (3)</i>	Amat Baik <i>Very good (4)</i>	Cemerlang <i>Excellent (5)</i>
English			\		
Bahasa Melayu				\	
Chinese					
Lain-lain <i>(other)</i> :					

D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN (<i>Scientific experience and Specialisation</i>)				
<i>Organization</i>	<i>Position</i>	<i>Start Date</i>	<i>End Date</i>	<i>Expertise</i>
qPCR Workshop UPM, IBS	Participant	25/12/2015	26/12/2015	Biochemistry
Workshop Identification of bacteria by using molecular technique (16S rRNA), Department of Chemical and Process Engineering, UKM,	Speaker	20/11/2015	21/11/2015	Microbiology
Workshop modelling and process optimization using Artificial Neural Network (ANN), Department of Chemical and Process Engineering, UKM,	Speaker	10/1/2016	11/2/2016	Artificial Intelligent
GC-FID/Headspace Training, Department of Civil Engineering, UKM,	Participant	11/9/2015	12/9/2015	Instrumental Analysis

E. PEKERJAAN (<i>Employment</i>)				
<i>Majikan / Employer</i>	<i>Jawatan / Designation</i>	<i>Jabatan / Department</i>	<i>Tarikh lantikan / Start Date</i>	<i>Tarikh tamat / Date Ended</i>
Universiti Putra Malaysia	Senior Lecturer	Land Management	1/8/2016	Present
Universiti Kebangsaan Malaysia	Post-Doctoral Researcher	Chemical and Process Engineering	10/06/2015	10/06/2016
Universiti Putra Malaysia	Research Assistant	Biochemistry Department	1/12/2012	1/4/2013

F. ANUGERAH DAN HADIAH (<i>Honours and Awards</i>)				
<i>Name of awards</i>	<i>Title</i>	<i>Role</i>	<i>Award</i>	<i>Year</i>
PRPI UPM	Xenoassay LightTM; A Rapid And Sensitive Bioluminescent Assay For Xenobiotics	Project leader	Gold Medal	2016
PRPI UPM	Bioremoval Of Molybdenum From Wastewater Using A Molybdenum-reducing Bacterium	Co-researcher	Gold Medal	2016

PRPI UPM	A Rapid Near Real-time Assay For Heavy Metals Biomonitoring Using The Molybdenum-reducing Enzyme	Co-Researcher	Gold Medal	2016
PRPI UPM	Xenoassay herbs TM , A Papain-dye Binding Assay For Monitoring Mercury Contamination In Herbal Preparation	Co-Researcher	Bronze	2016

G. SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) *(List of publications – author (s), title, journal, volume, page and year published)*

<i>Journal</i>	<ol style="list-style-type: none"> 1 Islahuddin, N. K. S., Halmi, M. I. E., Manogaran, M., & Shukor, M. Y. (2017). Isolation and culture medium optimisation using one-factor-at-time and Response Surface Methodology on the biodegradation of the azo-dye amaranth. <i>Bioremediation Science and Technology Research</i>, 5(2), 25-31. 2 Aziz, N. F., Halmi, M. I. E., & Johari, W. L. W. (2017). Statistical optimization of hexavalent molybdenum reduction by <i>Serratia</i> sp. strain MIE2 using Central Composite Design (CCD). <i>Journal of Biochemistry, Microbiology and Biotechnology</i>, 5(2), 8-11. 3 Halmi, M. I. E., Johari, W. L. W., Ali, M. S. M., & Shahrudin, N. A. (2017). Isolation of molybdenum-reducing bacterium; <i>Serratia</i> sp. strain MIE2 from agriculture soil and its potential use in soil bioremediation. <i>Journal of Biochemistry, Microbiology and Biotechnology</i>, 5(2), 12-18.
<i>Books/Monographs</i>	
<i>Chapter in book</i>	
<i>Proceedings</i>	<ol style="list-style-type: none"> 1 Nuratiqah Marsidi, Hassimi Abu Hassan, Mohd Izuan Effendi Halmi and Siti Rozaimah Sheikh Abdullah, Resistance of Native Bacteria from Activated Sludge towards Iron and Manganese, 28th Symposium of Malaysian Chemical Engineers (SOMChE 2015). 2 Nadya Hussin AL Sbania , Siti Rozaimah Sheikh Abdullah, Mushrifah Idris , Hassimi Abu Hasana, Mohd Izuan Effendi Bin Halmi , Nur 'Izzati Ismaila, Omar Hamed Jehawi, Isolation and identification of rhizobacteria from <i>Lepironia articulata</i> for degradation enhancement of polycyclic aromatic hydrocarbons (PAHs), 28th Symposium of Malaysian Chemical Engineers (SOMChE 2015). 3 Mohd Hafizuddin Muhamad, Siti Rozaimah Sheikh Abdullah, Hassimi Abu Hasan, Reehan Adnee Abd. Rahim and Mohd Izuan Effendi Halmi, Comparison of Predictive Capabilities of Response Surface Methodology and Artificial Neural Network for Optimization of Pentachlorophenol Removal using Coconut Shell based Granular Activated Carbon, Seminar Nasional Teknologi Lingkungan XII 3 September 2015, Jurusan Teknik Lingkungan, ITS, Surabaya.
<i>Other publications</i>	Shukor, M.Y., Syed, M.A., Halmi, M.I.E. , Johari, W.L.W., Ahmad, S., Rachman, A.R.A. (2014). Bioassay for The Detection of Xenobiotics, Malaysia. Pending Patent, PI2014703241.
<i>Computer software</i>	Matlab, Statistica, Microsoft Office 2013, Design Expert, Neural power, Minitab, Spinner Chief, Grammarly,

H. PROJEK PENYELIDIKAN TERDAHULU <i>(Past Research Project)</i>				
Project Title	Role	Year	Source of fund	Status
The mechanism of phytoremediation by plant growth promoting rhizobacteria for arsenic removal	Project leader	2016	UPM	On-Going
Development of a molecularly imprinted polymer (MIP) solid-phase extraction (SPE) method for the preconcentration of 4-bromodiphenyl ether in environmental samples	Co-Researcher	2017	FRGS	On-Going
Adsorption and degradation of commercial dyes by using biocha as supporting media for microbial biofilm	Co-Researcher	2017	UPM	On-Going
Microbial Molybdate Reduction to Mo-blue by Cyanide-degrading Bacteria	Co-Researcher	2017	UPM	On-Going
Characterization of Biosugars Produced from Saccharification of Napier Grass Supplied with POME Final Discharge for the Production of Biochemical	Co-Researcher	2017	UPM	On-Going
A rapid and ultrasensitive near real-time monitoring of heavy metals in Malaysia river using the plant protease, ficin functionalized with gold nanoparticles	Project leader	2018	Yayasan Pak Rasyid	On-Going