

CURRICULUM VITAE



A. BUTIR-BUTIR PERIBADI <i>(Personal Details)</i>			
Nama Penuh <i>(Full Name)</i>	Mohamad Faiz Zainuddin		Gelaran <i>(Title)</i> :
No. MyKad / No. Pasport <i>(Mykad No. / Passport No.)</i>	Warganegara <i>(Citizenship)</i> Malaysia	Bangsa <i>(Race)</i> Malay	Jantina <i>(Gender)</i> Male
Jawatan <i>(Designation)</i>	Pensyarah Kanan	Tarikh Lahir <i>(Date of Birth)</i>	

Alamat Semasa <i>(Current Address)</i>	Jabatan/Fakulti <i>(Department/Faculty)</i>	E-mel dan URL <i>(E-mail Address and URL)</i>
	Department of Environmental Science Faculti of Environmental Studies UPM Tel: 03-89467460 Fax:	E-mail: z_faiz@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	Marquette University	2006	Electrical Engineering
Master of Science	University of Colorado	2009	Electrical Engineering
PhD	Universiti Putra Malaysia	2014	Microwave

C. KEMAHIRAN BAHASA <i>(Language Proficiency)</i>					
Bahasa / <i>Language</i>	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				✓	

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>
Colorado Student Space Weather Experiment (CCSWE) Cubesat	Radio Communication Engineer	9/2009	12/2009	Antenna design Ham radio communication

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>
Faculty of Environmental Studies, Universiti Putra Malaysia	Senior Lecturer	Department of Environmental Science	February 2014	
Faculty of Environmental Studies, Universiti Putra Malaysia	Tutor	Department of Environmental Science	December 2006	February 2014

F. ANUGERAH DAN HADIAH (<i>Honours and Awards</i>)				
<i>Name of awards</i>	<i>Title</i>	<i>Award Authority</i>	<i>Award Type</i>	<i>Year</i>
<i>Academic Awards</i>	Gold Medal	MiEXPO 2013 UPM	National level	2013
	Silver Medal	InEX 2011 IIUM	International level	2011
<i>Non-Academic Awards</i>	Best Table Topic Speaker	Putra Toastmaster Club	University level	2013
	Best Assignment Speaker	Putra Toastmaster Club	University level	2013
<i>Awards of Merit</i>	Scholastic Award	Marquette University	University level	2006

G. KEAHLIAN PROFESSIONAL (<i>Professional membership</i>)		
<i>Organization</i>	<i>Position</i>	<i>Year</i>
Board of Engineers Malaysia	Member	2006 -
Putra Toastmasters International	Club President Club Vice President Treasurer	2015, 2017 2014, 2016 2013

H. SENARAI PENERBITAN (<i>List of publications</i>)	
<i>Journal</i>	<p>1. Ahmad Fahad, Zulkifly Abbas, Suzan Jabbar, Mohamad Faiz Zainuddin, Nor Azowa Ibrahim and Aeshah Salem, "Permittivity properties of nickel zinc ferrite-oil palm empty fruit bunch-polycaprolactone composite," <i>Procedia Chemistry</i>, 19, 2016: 603 – 610. Indexed in SCOPUS.</p> <p>2. Ahmad Fahad, Zulkifly Abbas, Suzan Jabbar, Nor Azowa Ibrahim and Mohamad Faiz Zainuddin, "Microwave characterization of bio-composites materials based finite element and nicholson–ross–weir methods," <i>Malaysian Journal of Science</i>, 34 (2), 2015: 180 -184. Indexed in SCOPUS.</p> <p>3. Ahmad Fahad, Zulkifly Abbas, Mohamad Faiz Zainuddin, Suzan Jabbar and Abu Bakar Yakubu, "Dielectric characterization of oil palm fiber reinforced polycaprolactone-nickel oxide composite at microwave frequency," <i>Procedia Environmental Sciences</i>, 30, 2015: 273 – 278. Indexed in SCOPUS.</p> <p>4. Syazili Roslana, Mohd. Hudzari Haji Razalia, Kamarul' Ain Mustafaa, Wan Ishak Wan Ismailb, Zulkifli Abbas and Mohamad Faiz Zainuddind, "Rapid Detection Techniques for Mechanical Properties Determination on Surface of Dioscorea Hispida Rhizome," <i>Procedia Engineering</i>, 68, 2013: 446–452. Indexed in SCOPUS.</p> <p>5. M. F. Zainuddin, Z. Abbas, M. H. M. Hafizi, M. A. Jusoh and M. H. H. Razali, "Monopole antenna technique for determining moisture content in the <i>Dioscorea hispida</i> tuber," <i>Australian Journal of Crop Science</i>, 7(1), 2013: 1-6. Indexed in SCOPUS.</p> <p>6. M. A. Jusoh, Z. Abbas, M. A. A. Rahman, C. E. Meng, M. F. Zainuddin and F. Esa., "Critical study of open ended coaxial sensor by finite element method (FEM)," <i>International Journal of Applied Science and Engineering</i>, 11 (4), 2013: 343-360.</p>
<i>Books/Monographs</i>	<i>Contemporary Environmental Quality Management in Malaysia and Selected Countries</i> . Ed.: Mohamad Pauzi Zakaria, Mohd Ibrahim Mohamed, Sutarji Kasmin, Nor Rasidah Hashim, Mohd Armi Abu Samah, Mohamad Faiz Zainuddin, Siti Sarah Mohamad Zaid, Universiti Putra Malaysia Press, 2011.
<i>Chapter in book</i>	
<i>Proceedings</i>	<p>1. M. F. Zainuddin and Z. Abbas, "Theoretical analysis of monopole antenna as dielectric measurement probe," Regional Fundamental Science Congress, Kompleks Mahasiswa, Universiti Putra Malaysia, 5-6 July 2011.</p> <p>2. M. F. Zainuddin, Z. Abbas, M. H. M. Hafizi, M. A. Jusoh and M. H. H. Razali, "Determination of moisture content in <i>dioscorea hispida</i> tuber using microwave method," International Conference on Agricultural and Food Engineering (Cafei2012), Palm Garden Hotel, Putrajaya, Malaysia, 26-28 Nov 2012.</p> <p>3. M. F. Zainuddin, Z. Abbas, K. N. Mohamed, W. M. M. Yunus and N. H. Osman, "Application of a monopole sensor for rapid <i>in situ</i> water quality assessment: theoretical analysis," International Conference on Environmental</p>

	<p>Forensic : From Source to Solution (iENFORCE), Putrajaya Marriot Hotel, Putrajaya, Malaysia, 12-13 Nov 2013.</p> <p>4. N. Khalid, M. F. Zainuddin, Z. Abbas, T. N. Mohamed and N. Sabli, "Determination of ethanol concentration of ethanol/water mixture solutions with open ended coaxial method," International Conference on Advances in Electrical, Electronic and Systems Engineering (ICAESE 2016), Putrajaya Marriot Hotel, Putrajaya, Malaysia, 14-16 Nov 2016.</p>
<i>Patent application</i>	<p>1. Ahmad Fahad, Zulkifly Abbas, Mohamad Faiz Zainuddin, Taha El Alwi and Abu Bakar Yakubu, "Environmentally Biodegradable Dielectric Composite Substrate for Electronic Industries and Method Thereof," Patent submitted to Malaysia Patent Office on 18 March 2015. Application No: PI 2015700853. Status: pending.</p> <p>2. Z. Abbas, M. F. Zainuddin and F. Ansarudin, "A system and a method to determine moisture content of raw agricultural product," Patent submitted to Malaysia Patent Office on 13 July 2012 PI2012003190. Status: pending.</p>
<i>Computer software</i>	

I. SENARAI PROJEK PENYELIDIKAN (<i>List of Research Project</i>)						
<i>Project No.</i>	<i>Project Title</i>	<i>Role</i>	<i>Year</i>	<i>Source of fund</i>	<i>Status</i>	<i>Amount</i>
9444400	Comprehensive evaluation on dielectric characterization of soil and soil moisture in wideband microwave frequency	Principle Investigator	2015-2017	Insentif Putra Muda	Active	RM 41,000.00
-	Development of an Improved Olsen Dielectric Model in Conjunction with Satellite Downlink Attenuation for Determination of Scattering and Absorption Coefficient of Rain Water Droplets	Co-investigator	2015-2018	Fundamental Research Grant Scheme (FRGS 2015-1)	Active	RM 90,200.00
-	Modelling Drinking Water Distribution System (DWDS) vulnerability to	Co-investigator	2016-	Transdisciplinary Research Grant	Active	RM 700,000

	Active Pharmaceutical Ingredients (APIs) by integration of geospatial-hydraulic and water quality model			Scheme (FRGS 2015-1)		
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I. ID PUBLISHING (<i>Publishing ID</i>)		
	Author ID	Name
<i>Scopus</i>		
<i>ORCID</i>	0000-0001-5652-0310	Mohamad Faiz Zainuddin
<i>Web of Science ID</i>		
<i>Researcher ID</i>		
<i>Others:</i>		

J. RANGKAIAN SOSIAL (<i>Social Networking</i>)	
<i>Facebook</i>	Mohamad Faiz Zainuddin
<i>LinkedIn</i>	
<i>Researchgate</i>	Mohamad Faiz Zainuddin
<i>Academia</i>	
<i>Google Scholar</i>	Mohamad Faiz Zainuddin
<i>Blog</i>	
<i>Website url</i>	
<i>Others</i>	