

CURRICULUM VITAE



A. BUTIR-BUTIR PERIBADI *(Personal Details)*

Nama Penuh <i>(Full Name)</i>	Sheriza Mohd Razali		Gelaran <i>(Title)</i> :Dr.
No. MyKad / No. Pasport <i>(Mykad No. / Passport No.)</i> 780216085964	Warganegara <i>(Citizenship)</i> Malaysia	Bangsa <i>(Race)</i> Melayu	Jantina <i>(Gender)</i> Perempuan
Jawatan <i>(Designation)</i>	Pegawai Penyelidik	Tarikh Lahir <i>(Date of Birth)</i>	16-02-1978

Alamat Semasa <i>(Current Address)</i>	Jabatan/Fakulti <i>(Department/Faculty)</i>	E-mel dan URL <i>(E-mail Address and URL)</i>
NO. 66, Jalan 3/6K, Bandar Baru Bangi, 43650 Bangi Selangor. Tel:03-89231765	Institute of Tropical Forestry and Forest Products (INTROP), UPM Tel: 03-89471789	E-mail:sherizasmr@gmail.com URL: H/P:016-3317050

B. KELAYAKAN AKADEMIK *(Academic Qualification)*

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>
PhD	UNIVERSIDAD DE MURCIA Murcia, Spain	2016	Biodiversity and Environmental Management (Remote sensing and GIS)
Master of Science	UNIVERSITI PUTRA MALAYSIA Serdang, Selangor,	2007	Application of Remote sensing and GIS
Bachelor of Forestry Science	UNIVERSITI PUTRA MALAYSIA, Serdang, Selangor,	2000	Forest Management

C. KEMAHIRAN BAHASA *(Language Proficiency)*

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			x		

Bahasa Melayu					x
Chinese					
Lain-lain (other):Spanish		x			

**D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN
(Scientific experience and Specialisation)**

<i>Organization</i>	<i>Position</i>	<i>Start Date</i>	<i>End Date</i>	<i>Expertise</i>
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E. PEKERJAAN (Employment)

<i>Majikan / Employer</i>	<i>Jawatan / Designation</i>	<i>Jabatan / Department</i>	<i>Tarikh lantikan / Start Date</i>	<i>Tarikh tamat / Date Ended</i>
MALAYSIAN REMOTE SENSING AGENCY	Research Officer	Division of Spatial Development (SD)	2002	2003

F. ANUGERAH DAN HADIAH (Honours and Awards)

<i>Name of awards</i>	<i>Title</i>	<i>Award Authority</i>	<i>Award Type</i>	<i>Year</i>
<i>Academic Awards</i>	Mobility Grant Award	“European Commission under Erasmus Mundus Action 2 Mobility Lot 13	International	2012-2015
	Bronze Medal in UPM Invention, Research and Innovation Exhibition (PRPI),	UPM	National	2011
	Gold Medal in UPM Invention, Research and Innovation Exhibition (PRPI),	UPM	National	2008
<i>Non-Academic Awards</i>	Awarded Pingat Rimbawan “Foresters Medal” Students of the Year for outstanding student activities and academic performance, Faculty of Forestry, Universiti Putra Malaysia, 1999 –	UPM	National	2000

	2000.			
<i>Awards of Merit</i>	Recipient, Associate Member of the Institute of Foresters Malaysia	Institute of Foresters Malaysia	National	2000

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>	<p>[1] Sheriza Mohd Razali, Arnaldo Aitor Marin Atucha, Ahmad Ainuddin Nuruddin, Hazandy Abdul Hamid & Helmi Zulhaidi Mohd Shafri, Monitoring vegetation drought using MODIS remote sensing indices for natural forest and plantation areas, <i>Journal of Spatial Science</i>, DOI: 10.1080/14498596.2015.1084247 (2015) (Quartile 4, IF: 0.588).</p> <p>[2] Sheriza Mohd Razali, Arnaldo Aitor Marin Atuchar, Ahmad Ainuddin Nuruddin, Helmi Zulhaidi Mohd Shafri, Hazandy Abdul Hamid, Mapping Human Impact on Net Primary Productivity Using MODIS Data for Better Policy Making, <i>Appl. Spatial Analysis and Policy</i>, DOI: 10.1007/s12061-015-9156-0 (2014) (JCR Social Science, IF: 0.844).</p> <p>[3] Razali, Sheriza; Marin, Arnaldo; Nuruddin, Ahmad; Shafri, Helmi; Hamid, Hazandy, Capability of Integrated MODIS Imagery and ALOS for Oil Palm, Rubber and Forest Areas Mapping in Tropical Forest Regions, <i>Sensors</i> vol. 14 (5) p. 8259-8282. DOI: 10.3390/s140508259 (2014) (Quartile 2, IF: 2.245).</p> <p>[4] Sheriza, M. R. and N.A. Ainuddin, A.H. Hazandy, M.S. Helmi Zulhaidi, Annual Rainfall Estimation based on two different methods, <i>Journal of Environmental Hydrology</i>, 19, 24 October 2011 (2011).</p> <p>[5] Sheriza M. R., N. A. Ainuddin, Ismail A. Malek, and Norizan A. Patah, <u>Forest fire hazard rating assessment in peat swamp forest using Landsat thematic mapper image</u>, <i>J. Appl. Remote Sens.</i> 4, 043531 (2010) (Quartile 3, IF: 1.183).</p> <p>[6] Sheriza M. R., N. A. Ainuddin, Ismail A. Malek, and Norizan A. Patah, A method of mapping forest fuel types in peat swamp forest, <i>Vol.7 (12)</i>, pp. 1901-1909, March 2012 DOI: 10.5897/AJAR11.1456 (2012).</p> <p>[7] Sheriza M. R., A. Ainuddin Nuruddin, A. H., Hazandy, and M. S. Helmi Zulhaidi, Assessment of NDVI Data for Land Cover Classification Using Gamma Methods, <i>International Geo-informatics Research and Development Journal (IGRDG)</i>, Vol. 1, Issue 3, March 2012 (2012).</p> <p>[8] Sheriza M. R. and A. Ainuddin Nuruddin. Defining fire issues in Malaysia and Indonesia through recent satellite technology: A review on MODIS fire detection and burned mapping, <i>International Geo-informatics Research and Development Journal (IGRDG)</i>, Vol. 1, Issue 3, Sep 2010 (2010).</p>
<i>Books/Monographs</i>	<p>[1] "Forest Fire Hazard Rating Asssment Using Landsat TM image", Lambert Academic publishing, 978-3-8465-0569-4,</p>

	(2011).
<i>Chapter in book</i>	<p>[1] Sheriza, M. R., Ainuddin, A.N, Helmi, Z.M.R and Hazandy, A.H. Potential of Water Stress Indices to Assess Canopy Water Content Pattern of Vegetation for Pasoh Forest reserve of Negeri Sembilan. In: Malaysia Forest Goods and Services II, ISBN: 978-967-344-497-7 (2015).</p> <p>[2] Samdin, Zaiton and Mohd Razali, Sheriza and Kamaruddin, Norfaryanti and Abdul Hamid, Hazandy. Conspectus on climate change in tropical forest. In: Climate Change in Tropical Forest: Impact and Mitigation. Universiti Putra Malaysia Press, Serdang, Selangor. ISBN 978-967-344-360-4 (2013).</p> <p>[3] Mat Daud, Zaidi and Sheriza, Mohd Razali, Biodiversity of Malaysia. In: Green economics: the greening of Asia and China. Green Economics Institute, United Kingdom, pp. 275-278. ISBN 9781907543234 (2012).</p> <p>[4] Sheriza, M. R., Ainuddin, A.N, Hazandy, A.H and Helmi, Z.M.R. Satellite Remote Sensing of Net Primary Productivity: A review of Current methods. In: Malaysian Forest, Goods and Services, ISBN: 978-967-344-255-3 (2011).</p>
<i>Proceedings</i>	<p>[1] Sheriza, M. R., N. A. Ainuddin, Hazandy Abd. Hamid, Helmi Zulhaidi Mohd Shafri, Reviewed proceeding of IEEE Proceeding of the 2011 IEEE International Conference on Space Science and Communication (IconSpace), 12-13 July 2011, Penang, Malaysia, Paper title "Assessment of Water Content using Remote Sensing Normalized Difference Water Index: Preliminary Study (2011).</p> <p>[2] Sheriza, M. R., N. A. Ainuddin, S. Zaiton, K. Norfaryanti, Institute of Tropical Forestry and Forest Products Research Colloquium, 1-2 December, 2015, RHR Hotel, Uniten, Bangi; Paper Title: A preliminary study on Carbon Consumption in Klang Valley Recreational Forest Parks (2015).</p> <p>[3] Sheriza, M. R., University of Murcia, Spain, Campus de Espinardo, Boiology, Weekly Seminar Review, Paper Title: Is Low Resolution of Satellite Imagery Capable at Classifying Land Cover in the Tropical Forest Environment? (2014).</p> <p>[4] Sheriza, M. R., N. A. Ainuddin, Mohd Basri Hamzah, Hazandy Abd. Hamid, Ismail A. Malek., Universiti Malaysia Terengganu 11th International Annual Symposium on Sustainability Science and Management, 9-11 July 2012, Paper Title: Investigation of Tree Diversity and Richness for the Berembun Forest reserve on The Malay Peninsula (2012).</p> <p>[5] Sheriza, M. R., N. A. Ainuddin, M. S. Helmi Zulhaidi, A. H, Hazandy, Institute of Tropical Forestry and Forest Products Research Colloquium, 5-6 December, 2012, Residence Hotel, UNITEN, Bangi; Paper Title: Potential of Water Stress indices to Assess Temporal Water Content pattern for Pasoh Forest reserve of Negeri Sembilan (2012).</p> <p>[6] Sheriza, Mohd Razali, The Role of advanced remote sensing techniques in Sustainable Forest Management (SFM) systems in Malaysia: Challenges and future, 16 February 2012, Grand Royal Panghegar, Bandung, Indonesia (2012).</p> <p>[7] M. R. Sheriza, N. A. Ainuddin, A. H. Hazandy, M. S. Helmi Zulhaidi, A. M. Ismail, Assessment of NDVI Data for Land Cover Classification Using</p>

Gamma Methods, International Conference on tropical Forests amidst Globalisation and Climate Change 2011 (TFGCC 2011).

[8] N. A. Ainuddin, **M. R. Sheriza**, K. Norfaryanti, Risk of Forest Fire in Future Climate: Adaptation and Mitigation Strategies, National Symposium on Climate Change Adaptation, 16-17 November 2011, Pullman Putrajaya Lakeside (2011).

[9] Overview of fire research in the region, Wildfire, The 5th International Wildland Fire Conference, 2011, South Africa, (2011).

[10] **Sheriza, M. R** and Ahmad Ainuddin Nuruddin, Assessment of Water Content Using Remote Sensing Normalized Difference Vegetation Index: Preliminary study, ICONSPACE, Penang, 12 – 13 July, 2011, CFP1184H-PRT, ISBN-978-1-4577-0564-8, (2011).

[11]

[12] **Sheriza, M. R.**, N. A. Ainuddin, Mohd Basri Hamzah, Hazandy Abd. Hamid, Ismail A. Malek., Institute of Tropical Forestry and Forest Products Research Colloquium, 14-16 December, 2010, Pullman, Putrajaya; Paper Title: Spatial variability of rainfall in Negeri Sembilan (2010).

[13] **Sheriza, M. R.**, N. A. Ainuddin, A. M. Syafinie, Mohd Basri Hamzah, Hazandy Abd. Hamid, Ismail A. Malek., Institute of Tropical Forestry and Forest Products Research Colloquium, 14-16 December, 2010, Pullman, Putrajaya; Paper Title: Spatial Estimation of Biomass for Negeri Sembilan for Malaysian Forest Inventory Data (NFI): A Preliminary Study (2010).

[14] **Sheriza, M. R.**, N. A. Ainuddin, Helmi, Zulhaidi Mohd Shafri, Ismail A. Malek., Institute of Tropical Forestry and Forest Products Research Colloquium, 14-16 December, 2010, Pullman, Putrajaya; Paper Title: Net Primary Productivity of Forest Stands Using MODIS Data: A Review of Current Issues (2010).

[15] Ahmad Ainuddin Nuruddin, Nur Shuhada Abd. Halim, **Sheriza Mohd Razali**. Spatial Distribution of Hotspots in Peninsular Malaysia. VI International Conference on Forest Fire Research (ICFFR, 2010). 15-18 November 2010. ADAI/CEIF, University of Coimbra, Portugal (2010).

[16] **Sheriza, M. R.**, Ahmad Ainuddin Nuruddin, Forest fire detection and burned area mapping in Southeast Asia using MODIS, In Symposium of Sustainable Science and Management (UMTAS 2010), 8-11 May 2010. University Malaysia Terengganu. ISBN: 978-967-5366-30-7 (2010).

[17] Nur Aisyah Kamarulzaman, **Sheriza, M. R** and Ahmad Ainuddin Nuruddin. 2009. Microclimate of Tropical Montane Cloud Forest in Genting Highlands: Preliminary results. In Conference Proceeding of International Conference on Water Resources (ICWR 2009). 26-27 May 2009. Langkawi Kedah. ISBN:983-42420-3-9 (2009).

[18] **Sheriza, M. R** and Ahmad Ainuddin Nuruddin, 5th Malaysia Remote Sensing and GIS Conference and Exhibition, Earth Observation for Climate Change, Resource management and Industrial Applications, Legend Hotel, Kuala Lumpur; Paper Title: Generation of Fire Hazard Rating Map for Fuel Type in Peat Swamp Forest Using Tasselled Cap Indices, (2008).

[19] Nur Kyariatul, A.M.S., Ainuddin, N.A., Ismail, A.M., **Sheriza, M.R.**, Malaysian Science and Technology Congress, 2008, 16-17 December, PICC, Kuala Lumpur; Paper Title: Identification and Quantification of Bamboo Areas Using The Sub-pixel Classifier in Remote Sensing (2008).

Other publications	
Computer software	

H. PROJEK PENYELIDIKAN TERDAHULU (Past Research Project)

	Project	Time	Role	Amount (RM)	Level	Status
1.	"Mangrove Health Assessment Using Vegetation Stress Indices at Pulau Indah Mangrove, Selangor (FRIM-RMK 11)".	April 2016 – April 2017	Member	40,000	National	Ongoing
2.	"Site Suitability of Carbon Consumption Assessment for Ecotourism Sites using GIS analysis for Potential Development of Klang Valley Forest Parks (KVFP)".	2013-2015	Member	72,000	National	Completed
3.	Malaysia Industry-Government Group for High Technology (MiGHT) - "Kajian Strategi Perniagaan, Permasaran dan Pelaksanaan Bagi Pembangunan Industri Kenaf Dalam Kawasan Wilayah Ekonomi Pantai Timur (ECER)"	2010-2011	Joint-member	50,000	International	Completed
4.	Common Fund for Commodities (CFC) – "Increased Production Efficiency in Small-Holder Kenaf Production Systems for Specific Applications"	2009-2012	Joint Member	1,200,000	International	Completed
5.	*RUGS – "Mapping and assessment of present and future potential carbon storage in the Forest Management Unit (FMU) of Negeri Sembilan: soil carbon, woody debris, and vegetation"	2009-2012	Member	30,000	National	Completed
6.	RUGS – "Estimation of Net Primary Productivity of forests stands in Negeri Sembilan from Landsat and MODIS satellite"	2009 - 2011	Project Leader	30,000	National	Completed
7.	*FRGS - "Evaluation of MODIS Satellite based Shortwave Infrared Reflectance in water constraint area"	2011-2013	Member	60,000	National	Completed
8.	RUGS – "Analysis on Sabah Forest Fire Using Keeth-Byram Drought Index (KBDI) and MODIS Satellite Hotspots Data"	2011-2013	Member	30,000	National	Completed

	Project	Year	Role	Amount (RM)	Level	Status
1.	Raoutable on Sustainable Palm Oil	2016	Reviewer (Head)	6,000	National	Ongoing
2.	East Coast Economic Region - ECER – Universiti Putra Malaysia/MiGT	2009 -2010	Member	400,00	National	Completed
3.	Asia Forum on Carbon Update, Bandung, Indonesia	2012	Presenter	USD 1000	International	Completed

