

CURRICULUM VITAE

A. PERSONAL DETAILS



Name Sheriza Mohd Razali
Designation Senior Research Officer
Institute of Tropical Forestry and Forest Products (INTROP),
Universiti Putra Malaysia, Serdang, Selangor
Position Head of Program, Laboratory of Sustainable Bioresource Management
Nationality Malaysian
Date of birth 16 February 1978
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B. ACADEMIC QUALIFICATION

Year obtained	Qualification	Name of School / Institution	Area of Specialization
2016	PhD	UNIVERSIDAD DE MURCIA Murcia, Spain	Biodiversity and Environmental Management (Remote sensing and GIS)
2007	Master of Science	UNIVERSITI PUTRA MALAYSIA Serdang, Selangor	Applied Remote Sensing and GIS
2000	Bachelor of Forestry Science	UNIVERSITI PUTRA MALAYSIA Serdang, Selangor	Forest Management

C. LANGUAGE PROFICIENCY

Language	Poor (1)	Moderate (2)	Good (3)	Very good (4)	Excellent (5)
English			x		
Bahasa Melayu (Malay language)					x
Other: Spanish	x				

Computer software : ArcGIS & ArcGIS Pro, Erdas Imagine, ENVI and PCI Geomatica Catalyst Professional

D. EMPLOYMENT

Date	Employer	Designation	Department
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2008 - Current	Universiti Putra Malaysia, Selangor	Research Officer	Laboratory of Sustainable Bioresources Management (BIOREM), Institute of Tropical Forestry and Forest Products (INTROP), Universiti Putra Malaysia
2002 - 2003	Malaysian Remote Sensing Agency, Kuala Lumpur	Research Officer	Division of Spatial Development (SD)

E. HONOURS AND AWARDS

ACADEMIC AWARDS

Year	Title	Award Authority	Award Type
2022	Certificate of Contribution NAPC: Network ASEAN Peat Swamp Forest Communities	National Institute of Information and Communications Technology, Japan	International
2022	Certificate of Excellent Contribution NAPC: Network ASEAB Peat Swamp Forest Communities at ASEAN IVO Project Review 2021	National Institute of Information and Communications Technology, Japan	International
2022	International Innovation Awards Silver IoT based Peatland Monitoring with Data Analytics	MTE Expo 2022	International
2022	Overall Best Presentation Project title: Land Cover Mapping Using Object-Based Analysis in Forested and Plantation Areas	The 9 th International Conference on Agriculture 2022	International
2021	Best Poster Award	The 10 th Kuala Lumpur International Agriculture, Forestry and Plantation Conference	International
2017	Anugerah Projek Inovasi dan Rekacipta Sekolah Projek Berimpak Tinggi 2017	UPM	National
2012 - 2015	Mobility Grant PhD in Universidade de Mucia	European Commission under Erasmus Mundus Action 2 Mobility Lot 13	International
2012	Bronze Medal Project Title: Annual Rainfall Estimation Based in two Different Methods	UPM Invention, Research and Innovation Exhibition (PRPI), UPM	National
2012	Bronze Medal Project title: Assessment of NDVI Data for Land Cover Classification Using Gamma Methods	UPM Invention, Research and Innovation Exhibition (PRPI), UPM	National
2011	Bronze Medal Project title: Fuel type mapping using Tasseled Cap Transformation Techniques	UPM Invention, Research and Innovation Exhibition (PRPI), UPM	National
2007	Gold Medal Project title: Forest Fire Hazard Mapping in peat Swamp Forest Using Integrated Remote Sensing and Geographical Information System (GIS) Techniques	UPM Invention, Research, and Innovation Exhibition (PRPI), UPM	National

NON-ACADEMIC AWARDS

Year	Title	Award Authority	Award Type
2020	Anugerah Perkhidmatan Cemerlang, Institute of Tropical Forestry and Forest Products	UPM	National
2019	Anugerah Perkhidmatan Cemerlang, Universiti Putra Malaysia 2019	UPM	National
2019	Anugerah Perkhidmatan Cemerlang, Institute of Tropical Forestry and Forest Products	UPM	National
2018	Anugerah Perkhidmatan Cemerlang, Institute of Tropical Forestry and Forest Products	UPM	National
2010	Anugerah Perkhidmatan Cemerlang, Institute of Tropical Forestry and Forest Products	UPM	National
2009	Anugerah Perkhidmatan Cemerlang, Institute of Tropical Forestry and Forest Products	UPM	National
2000	Pingat Rimbawan “Foresters Medal” -Outstanding student activities and academic performance, Faculty of Forestry, Universiti Putra Malaysia	UPM	National

AWARDS OF MERIT

Year	Title	Award Authority	Award Type
2000	Associate Member of the Institute of Foresters Malaysia	Institute of Foresters Malaysia (IRIM)	National
2021	KLIAF Best Poster Award	The 10 th Kuala Lumpur Agriculture, Forestry & Plantation Conference	National

F. LIST OF PUBLICATION

Cited Journal

- [1] **Sheriza, Mohd Razali**, Mohd Sofiyan, S. and Nor Rohiazah, J. Forest fire risk areas demonstrate the use of climatological and satellite indices for monitoring peatland fires. *Malayan Forester*, 2023, SCOPUS, Submitted.
- [2] **Sheriza, Mohd Razali**, Mohd Sofiyan and Nor Rohiazah, J. Normalized Difference Vegetation Index (NDVI) marked reliable value of Ulu Muda Forest Reserve. *Malayan Nature Journal*, 2023, SCOPUS, Submitted.
- [3] **Sheriza, Mohd Razali**, Zaiton Samdin, and Marryanna Lion. Combining moderate and high resolution of satellite images for characterizing suitable habitat for vegetation and wildlife. *Journal of Tropical Biodiversity and Biotechnology*, 2023, SCOPUS, Accepted.
- [4] Jalil, A.M., Abdul-Hamid, H., Sahrim-Lias; Anwar-Uyup, M. K., Md-Tahir, P., **Mohd-Razali, S.**, Mohd-Noor, A.-A., Syazwan, S.A., Shamsul-Anuar, A.S., Mohamad Kasim, M.R., Johar Mohamed and Rambod Abiri. Assessment of the Effects of Artificial Fungi Inoculations on Agarwood Formation and Sap Flow Rate of *Aquilaria malaccensis* Lam. Using Sonic Tomography (SoT) and Sap Flow Meter (SFM). *Forests* 2022, 13, 1731. <https://doi.org/10.3390/f13101731> - Q1.

- [5] Rozihawati, Z., Wan-Muhammad-Azrul W. A., Noor-Baity, **Sheriza M. R.**, Hazandy, A. H., Mohd-Farid, A. & Zaiton, S., Formulation of Alternative Media for Fungal Growth and Its Application as Agarwood-Inducing Agent in *Aquilaria* Trees. *Journal of Tropical Forest Science*, 34(1): 127-132 (2022) – SCOPUS.
- [6] **Sheriza Mohd Razali**, Zaiton Samdin, Maryanna Lion. Monitoring green biomass utilizing remote sensing techniques for agriculture and forest areas in East Malaysia. *IOP Conf. Ser.: Earth Environ. Sci.* 1064 (2022) 012004, IOP Publishing doi:10.1088/1755-1315/1064/1/012004 – SCOPUS.
- [7] Megat Najib Megat Mohamed Nazir, Razak Terhem, Ahmad R. Norhisham, **Sheriza Mohd Razali** and Roger Meder, Early Monitoring of Health Status of Plantation-Grown *Eucalyptus pellita* at Large Spatial Scale via Visible Spectrum Imaging of Canopy Foliage Using Unmanned Aerial Vehicles. *Forests*, Vol. 12, 1393, (2021). <https://doi.org/10.3390/f12101393> - Q3.
- [8] Noor Atiqah Badaluddin, Marryanna Lion, **Sheriza Mohd Razali**, Saiful Iskandar Khalit, Bibliometric Analysis of Global Trends on Soil Moisture Assessment Using the Remote Sensing Research Study From 2000 to 2020. *Water Air Soil Pollution*, 232 – 271, (2021). <https://doi.org/10.1007/s11270-021-05218-9> - Q3.
- [9] **Sheriza Mohd Razali**, Maizatul Azwa Radzi, Arnaldo Aitor Marin Atuchar, Zaiton Samdin, A bibliometric analysis of tropical mangrove forest land use change from 2010 to 2020, *Environment, Development and Sustainability*. <https://doi.org/10.1007/s10668-021-01935-7> - Q2.
- [10] Hamzad Fahmi Ahmad Jani, Roger Meder, Hazandy Abdul Hamid, **Sheriza Mohd Razali**, and Khairul Hafiz Mohd Yusoff, Near infrared spectroscopy of plantation forest soil nutrients in Sabah, Malaysia, and the potential for microsite assessment. *Journal of Near Infrared Spectroscopy*, Vol. 29(3), 148-157, (2021) - Q4.
- [11] **Sheriza, Mohd Razali** and Marryanna Lion, Eucalyptus forest plantation assessment of vegetation health using satellite remote sensing techniques, *IOP Conf. Ser.: Earth Environ. Sci.* 918 012041, (2021) – SCOPUS.
- [12] Seasonal variations of soil moisture regime at dry region of lowland Dipterocarp forest in Pasoh forest reserve, Peninsular Malaysia, Noor Atiqah Badaluddin¹, Marryanna Lion, **Sheriza Mohd Razali**, Saiful Iskandar Khalit, *Bioscience Research*, Vol. 18, S1-2, 26-33, (2021) – SCOPUS.
- [13] Nirwani Devi Miniandi, Mohd Sofiyan Sulaiman, Razak Zakariya, **Sheriza Mohd Razali** and Nor Rohaizah Jamil, Morphometric Analysis of The Main River Systems at Ulu Muda Forest Reserve, Kedah, Peninsular Malaysia, *Malayan Nature Journal*, Vol. 73, 3, 297-309, (2021) – SCOPUS.
- [14] Norfaryanti, K. and **Sheriza, M. R.**, Big Data Analytics Along the Supply Chain of the Forestry Sector: A Review Analysis. *The Malaysian Forester* 84 (2), (2021) – SCOPUS.
- [15] A. Sali, A. M. Ali, B. M. Ali, S. M. S. Ahmad, J. T. Liew, N. L. Salleh, A. A. Nuruddin, **S. M. Razali**, I. G. Nsaif, N. Ramli, H. Mohamad, and N. Asai. Peatlands Monitoring in Malaysia with IoT Systems: Preliminary Experimental Results. *The 4th International Conference on Computational Intelligence in Information Systems (CIIS 2020)*, Online Conference, 25 – 27 January 2021 – SCOPUS.
- [16] Fatin, N. Mohd. Ismail, Hazandy, A. Hamid, Johar Mohamed, Ariffin Abdu, Zaiton Samdin and **Sheriza M. Razali**, Character Association and Selection of Breeding Line

Based on Morphophysiological Characteristics and Tensile Strength in Hibiscus cannabinus L. BioResource 15(4), 8883-8908, (2020) - Q2.

- [17] **Sheriza, M. R.**, Nurul Fatin, M., Ainuddin, N. A., Application of Remote Sensing to Assess the Biophysical Characteristics of Palm Oil Trees for Ecological Study, Journal of Landscape Ecology, Vol. 13, No. 3, (2020) - SCOPUS.
- [18] Zaiton, S., **Sheriza, M. R.**, Ainishifaa, R., Alfred, K., and Norfaryanti, K., Eucalyptus in Malaysia: Review on Environmental Impacts, Journal of Landscape Ecology, Vol. 13, No. 2., (2020) – SCOPUS.
- [19] **Sheriza, M. R.**, Ainuddin, N. A., and Norfaryanti, K. Mapping Mangrove Density for Conservation of Ramsar Site in Peninsular Malaysia, International Journal of Conservation Science, Vol. 11, Issues 1, (2020) – SCOPUS.
- [20] Nurul Fatin, M., **Sheriza, M. R.**, Ainuddin, N. A. Helmi Zulhaidi, M. S. Oil palm dry season analysis based on Moderate Resolution Imaging Spectroradiometer (MODIS) satellite indices, Special Issue: International Journal of Remote Sensing, (2019) - Q1.
- [21] **Sheriza, M. R.**, and Ainuddin, N. A., Mangrove Vegetation Health Assessment Based on Remote Sensing Indices for Tanjung Piai, Malay Peninsular, Journal of Landscape Ecology, Vol. 12, No. 2 (2019) - SCOPUS.
- [22] Norfaryanti, K, **Sheriza, M. R.**, and Zaiton, S., Environmental-friendly food products' packaging: Women's purchasing preferences, International Journal of Recent Technology and Engineering, Vol. 8, Issue-2S4, DOI: 10.35940/ijrte.B1101.0782S419 (2019) – SCOPUS.
- [23] Leewee Yukili, Ahmad Alnuddin Nuruddin, Ismail Adnan and **Sheriza Mohamad Razali**, Analysis of Hotspot Pattern Distribution at Sabah, Malaysia for Forest Fire Management, Journal of environmental Science and Technology, Volume: 9, Issue:3, Pg. 291-295, DOI: 10.3923/jest.2016.291.295 (2016) – SCOPUS.
- [24] **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, Journal of Spatial Science, DOI: 10.1080/14498596.2015.1084247 (2015) - Q2.
- [25] **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, Appl. Spatial Analysis and Policy, DOI: 10.1007/s12061-015-9156-0 (2014) - Q2.
- [26] **Mohd 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, *Sensors* vol. 14 (5) p. 8259-8282. DOI: 10.3390/s140508259 (2014) - Q1.
- [27] **Sheriza M. R.**, N. A. Ainuddin, Ismail A. Malek, and Norizan A. Patah, Forest fire hazard rating assessment in peat swamp forest using Landsat thematic mapper image, J. Appl. Remote Sens. 4, 043531 (2010) - Q2.

*Refereed/Reviewed
Proceedings*

- [1] **Sheriza, M. R.** and N.A. Ainuddin, A.H. Hazandy, M.S. Helmi Zulhaidi, Annual Rainfall Estimation based on two different methods, Journal of Environmental Hydrology, 19, 24 October 2011 **(2011)**.
- [2] Nik Norasma Che Ya, Loong Shern Lee, **Sheriza Mohd Razali**, Development of Rice Growth Map Using Advanced Remote Sensing Techniques, IEEE Explore (2019).
- [3] Nurul, Fatin, M., **Sheriza, M. R.**, Ainuddin, N. A., Helmi Zulhaidi, M. S. Dry season analysis using MODIS data for forest and agricultural area in Negeri Sembilan, Malaysia, IOP Conf. Series: Earth and Environmental Science 169 012057 (2018).
- [4] **Sheriza M. R.**, N. A. Ainuddin, Ismail A. Malek, and Norizan A. Patah, A method of mapping forest fuel types in peat swamp forest, Vol.7 (12), pp. 1901-1909, March 2012, DOI: 10.5897/AJAR11.1456 (2012).
- [5] **Sheriza Mohd Razali**, Krittawit Suk-ueng & Ahmad Ainuddin Nuruddin, "Remote Sensing Indices for Mangrove Health Assessment", Malaysian Journal of Remote Sensing and GIS, Vol. 6, No. 2, (ISSN 1511-7049) (2017).
- [6] **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, International Geo-informatics Research and Development Journal (IGRDG), Vol. 1, Issue 3, March 2012 (2012).

Books/Monographs

- [1] "Forest Fire Hazard Rating Assessment Using Landsat TM image", Lambert Academic publishing, 978-3-8465-0569-4, (2011).

Chapter in book

- [1] **Sheriza, Mohd Razali**, Nor Rohaizah Jamil, Mohd Sofiyen Sulaiman, Maizatul Azwa Radzi. Characterizing and assessing forest density and productivity of Ulu Muda Forest Reserve based on satellite imageries. In: Eucalyptus Potential in Malaysia, In: Tropical Forest ecosystem Services in Improving Livelihood for Local Community, Springer (2022).
- [2] Jamilah, M. Salim., **Sheriza Mohd Razali**, Fadzilah Majid Cooke and Maizatul Azwa, Coastal Landscape of Peninsular Malaysia-The changes and Implication resilient and ecosystem services. ISBN 978-953-51-7760-9 (2018).
- [3] Leewe Y., Ainuddin A. N., Ismail A. A. M. and **Sheriza M. R.** Analysis on Sabah Forest Fire Using MODIS Satellite Hotspot Data. In: Malaysian Forest, Goods and Services II. ISBN: 978-967-344-497-7 (2015).
- [4] 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).
- [5] **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).

*Presentation in
Conferences/Seminars*

- [1] **Sheriza, M. R.**, and Zaiton Samdin. Remote sensing of the Normalized Difference Vegetation Index (NDVI) and the Normalized Difference Water Index (NDWI) derived net primary, 10th International Planters Conference, 12 – 14 June 2023 (Will presents).

- [2] **Sheriza, M. R.**, and Zaiton Samdin. Growth, development, and challenges of Eucalyptus UPM trial plots, BFC Symposium and ITP Open Day, 10 – 11 May 2023 (Will presents).
- [3] **Sheriza, M. R.**, and Zaiton Samdin. Land cover mapping using object-based analysis in forested and plantation areas, 9th International Conference on Agriculture 2022, AGRICO 2022 (2022).
- [4] **Sheriza, M. R.**, and Zaiton Samdin. Combining moderate and high resolution of satellite images for characterizing suitable habitat for vegetation and wildlife, 4th International Symposium on Multidisciplinary Science 2022 (SMS2022) (2022).
- [5] **Sheriza, M. R.**, Zaiton Samdin, and Marryanna Lion., Monitoring green biomass utilizing remote sensing techniques for agriculture and forest areas in East Malaysia, 11th International Conference and Exhibition on geospatial & Remote Sensing 2022, IGRSM (2022).
- [6] **Sheriza, M. R.**, Nurul Fatin, M., and Ainuddin, N. A., Canopy health analysis based on remote sensing and ground assessment for oil palm plantation for characterizing the best fiber for tropical use, Wood and Biofibre International Conference (WOBIC 2019), 3-5 December 2019, Promenade Hotel, Kota Kinabalu, Sabah (2019).
- [7] **Sheriza, M. R.**, Ainuddin, N. A., Penilaian Tanjung Piai: Hutan Bakau Johor untuk Menilai Sensitiviti Indeks Kesihatan Tumbuhan, Seminar Kebangsaan Hutan Paya Laut dan Pesisiran Pantai Negara, 10-11 September 2019, Hotel Park Avenue, Sungai Petani, Kedah (2019).
- [8] **Sheriza, M. R.**, Jamilah, M. S., and Ainuddin, N. A., The Role of Higher Resolution Imagery in Monitoring Tropical Forest, Putra Research Symposium (PRS 2018), 1 November 2018, Bangi-Putrajaya Hotel, Bangi (2018).
- [9] **Sheriza, M. R.**, and Nurul Fatin, M., Application of Remote Sensing and GIS in Monitoring Forest, Rubber and Oil Palm Drought Study, 5th International Symposium on Applied Engineering and Sciences (SAES2017), 14th-15th November 2017, Universiti Putra Malaysia (UPM), Malaysia (2017).
- [10] **Sheriza, M. R.**, Marin Atuchar, Arnaldo Aitor, and Nuruddin, N.A., Human Population Impact on Net Primary Productivity, Resource Extraction and Pollution for Tropical Forests in Malaysia and Thailand, International Conference on Sustainable Forest Development in View of Climate Change (SFDCC2016), 8 – 11 August 2016, Bangi-Putrajaya Hotel, Bangi (2016).
- [11] **Sheriza, M. R.**, N. A. Ainuddin, S. Zaiton, K. Norfaryanti, A preliminary study on Carbon Consumption in Klang Valley Recreational Forest Parks, Institute of Tropical Forestry and Forest Products Research Colloquium, 1-2 December 2015, RHR Hotel, Uniten, Bangi (2015).
- [12] **Sheriza, M. R.**, N. A. Ainuddin, Mohd Basri Hamzah, Hazandy Abd. Hamid, Ismail A. Malek., Investigation of Tree Diversity and Richness for the Berembun Forest reserve on The Malay Peninsula, 11th International Annual Symposium on Sustainability Science and Management, 9-11 July 2012, Universiti Malaysia Terengganu (2012).
- [13] **Sheriza, Mohd Razali**, The Role of advanced remote sensing techniques in Sustainable Forest Management (SFM) systems in Malaysia: Challenges and Future, Asia Forum on Carbon Update, 16 February 2012, Royal Panghegar, Bandung, Indonesia (2012).

- [14] **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 Gamma Methods, International Conference on tropical Forests admits Globalization and Climate Change 2011 (TFGCC 2011), Auditorium Jurutera, Faculty of Engineering, Universiti Putra Malaysia (2011).
- [15] **Sheriza, M. R.**, N. A. Ainuddin, Hazandy Abd. Hamid, Helmi Zulhaidi Mohd Shafri, Assessment of Water Content using Remote Sensing Normalized Difference Water Index: Preliminary Study, 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 (2011).
- [16] **Sheriza, M. R** and Ahmad Ainuddin Nuruddin, Assessment of Water Content Using Remote Sensing Normalized Difference Vegetation Index: Preliminary study, ICONSPACE, 12 – 13 July 2011, Penang, CFP1184H-PRT, ISBN-978-1-4577-0564-8, (2011).
- [17] **Sheriza, M. R.**, N. A. Ainuddin, Mohd Basri Hamzah, Hazandy Abd. Hamid, Ismail A. Malek., Spatial variability of rainfall in Negeri Sembilan, Institute of Tropical Forestry and Forest Products Research Colloquium, 14-16 December 2010, Pullman, Putrajaya (2010).
- [18] N. A. Ainuddin, **M. R. Sheriza**, K. Norfaryanti, Risk of Forest Fire in Future Climate: Adaptation and Mitigation Strategies, National Symposium Climate Change Adaptation, 16-17 November 2011, Pullman Putrajaya Lakeside (2011).
- [19] **Sheriza, M. R.**, N. A. Ainuddin, A. M. Syafinie, Mohd Basri Hamzah, Hazandy Abd. Hamid, Ismail A. Malek., Spatial Estimation of Biomass for Negeri Sembilan for Malaysian Forest Inventory Data (NFI): A Preliminary Study, Institute of Tropical Forestry and Forest Products Research Colloquium, 14-16 December 2010, Pullman, Putrajaya (2010).
- [20] **Sheriza, M. R.**, N. A. Ainuddin, Helmi, Zulhaidi Mohd Shafri, Ismail A. Malek., Net Primary Productivity of Forest Stands Using MODIS Data: A Review of Current Issues, Institute of Tropical Forestry and Forest Products Research Colloquium, 14-16 December 2010, Pullman, Putrajaya (2010).
- [21] 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).
- [22] **Sheriza, M. R.**, Ahmad Ainuddin Nuruddin, Forest fire detection and burned area mapping in Southeast Asia using MODIS, Symposium of Sustainable Science and Management (UMTAS 2010), 8-11 May 2010, Universiti Malaysia Terengganu. ISBN: 978-967-5366-30-7 (2010).
- [23] **Sheriza, M. R** and Ahmad Ainuddin Nuruddin, Generation of Fire Hazard Rating Map for Fuel Type in Peat Swamp Forest Using Tasselled Cap Indices, 5th Malaysia Remote Sensing and GIS Conference and Exhibition, Earth Observation for Climate Change, Resource management and Industrial Applications, Legend Hotel, Kuala Lumpur (2008).

Other publications

- [1] Aduwati S., Hafizal, M.D., Mohd Fadlee, A. R., Sharifah Mumtazah, Asem Shah, Azizi, M. A., Ahmad Ainuddin, N., and **Sheriza, M. R.**, "Internet of Things (IOT) Initiative in Malaysia for Forest Fire Monitoring", INTROPica (Issue: 18, 2019).

- [2] Rozihawati, Z., Ismail M., **Sheriza, M. R.**, Zaiton, S., Dahlan, T., Norfaryanti, K. and Mohd Hambali, M. J. "Community Engagement towards Production of Agarwood in Peninsular Malaysia", INTROPica (Issues:15 July-December, pg. 27-28, 2017).
- [3] **Sheriza, M. R.**, Nurul, F. M., "MODIS Satellite Launched for Land Resources Mapping", INTROPica (Issues:15 July-December, pg. 22-25, 2017).
- [4] Rozihawati Zahari, **Sheriza Mohd Razali**, Zaiton Samdin, Mohd Hambali Mohd Jailani, Norhisyam Mohd Razi, Identification of Insect Pests of Kenaf (*Hibiscus cannabinus* L.) at Ladang Puchong, Taman Pertanian Universiti, UPM, INTROPica (Issues:15 July-December 20-21 pg, 2017).
- [5] **Sheriza, M. R.**, and Jamilah, M. S., "Mapping forest and agricultural lands from the sky", Mangrove Ecosystems: Sustaining productivity, INTROPica (Issues: 12, Jan-June, 15-17 pg, 2016).
- [6] **Sheriza, M. R.** "Tanjung Piai and Pulau Kukup, Johor, "The Natural Paradise", Mangrove Ecosystems: Sustaining productivity, INTROPica (Issues: 12, Jan-June 24-25 pg, 2016).

G. PAST AND RECENT RESEARCH PROJECTS (2017-2024)

PUBLIC GRANT

Duration	Project Title	Grant	Role	Amount	Level
2022 - 2023	Increasing the production of mangrove seedlings through knowledge transfer of nursery management techniques in Taman Rekreasi Paya Bakau Kampung Sijangkang	KTGS, UPM	MEMBER	10,000	National
2022 - 2024	Protocol development and growth performance monitoring for rapid bamboo propagation.	HiCOE, KPT	MEMBER	184,330	National
2022 - 2023	Development of digital nursery monitoring and management of bamboo and eucalyptus.	DIGITAL TWIN: PUTRA GRANT UPM (GPIPb)	MEMBER	50,000	National
Nov 2022 – Nov 2024	Mapping forest areas using remote sensing image analysis and classification for Peninsular Malaysia.	PUTRA GRANT UPM (GPIPM)	LEADER	350,000	National
2019 - 2022	Intelligent Green Energy Landslide Real-Time Alerting System in The Tropics.	MRUN	MEMBER	597,700	National
Jan 2022 – Dec 2022	NET-PEAT: Networked ASEAN Peatland Communities for Transboundary Haze Alert.	Asia Pacific Telecommunity (APT) funded by Government of Japan	MEMBER	USD60,000	International
July 2020 – Dec 2020	Mapping Transitions of Forests to Eucalyptus Plantations and Other Forest Plantation Using Satellite Remote Sensing Resources.	HiCOE, INTROP	LEADER	20,000	National

2019 - 2021	Pests and Diseases Assessment and its Effects on Wood Properties for Development of Superior Clones and the Socio-economic Impact of Eucalyptus Plantation in Malaysia.	TRGS/1/2018/ UPM/01/2/4	MEMBER	284,000	National
2019 - 2021	The Response of Soil Water Content and Evapotranspiration to an Extremely Dry Condition in Lowland Tropical Forest at Pasoh Forest Reserve, Negeri Sembilan.	FRGS/1/2019/	MEMBER	70,000	National
2019 - 2021	Potential Socio-Economic Impact and Environmental Impact of Eucalyptus Plantation Establishment.	TRGS/1/2018/	MEMBER	284,100	National
2019-2020	An Investigation into Factors that Contribute to Conservation Awareness and Willingness to Pay among the Local Community and Visitors for Firefly Conservation in Kuala Selangor.	WAB13/UPM/02/3	MEMBER	90,500	National
2018 - 2020	Network ASEAN Peat Swamp Forest Communities, ICT Virtual Organization of ASEAN Institute and NICT. (ASEAN IVO)	NAPC	MEMBER	40,000	National
2017 - 2019	Improvement of vegetation Indices sensitivity and formulation for natural lowland forest and agricultural crops based on national forest inventory data under changing climate in Negeri Sembilan.	PUTRA BERIMPAK GRANT (IPB)	LEADER	100,000	National
2018 - 2020	Improvement of Drought Analysis using Remote Sensing Spectral at Raja Musa Peat Swamp Forest, Selangor.	PUTRA SISWAZAH GRANT (IPS)	LEADER	20,000	National
2017 - 2019	Mangrove Health Assessment Using Vegetation Stress Indices at Pulau Indah Mangrove, Selangor.	RMK 11, Ministry of Natural Resource and Environmental (NRE)	MEMBER	40,000	National
PAST AND RECENT RESEARCH PROJECTS (2015-2017)					
2015 - 2017	Site Suitability of Carbon Consumption Assessment for Ecotourism Sites using GIS analysis for Potential Development of Klang Valley Forest Parks (KVFP).	FRGS	MEMBER	72,000	National
2011	Malaysia Industry-Government Group for High Technology (MiGHT) - "Kajian Strategi Perniagaan, Permasaran dan Perlaksanaan Bagi Pembangunan Industri Kenaf Dalam Kawasan Wilayah Ekonomi Pantai Timur (ECER)".	MIGHT	JOINT- MEMBER	50,000	National

2012	Common Fund for Commodities (CFC) – “Increased Production Efficiency in Small-Holder Kenaf Production Systems for Specific Applications”.	UNIDO	JOINT-MEMBER	1,200,200	International
2012	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.	RUGS UPM	MEMBER	30,000	National
2011	Estimation of Net Primary Productivity of forests stands in Negeri Sembilan from Landsat and MODIS satellite.	RUGS UPM	LEADER	30,000	National
2011	Evaluation of MODIS Satellite based Shortwave Infrared Reflectance in water constraint area.	FRGS	MEMBER	60,000	National
2011	Analysis on Sabah Forest Fire Using Keeth-Byram Drought Index (KBDI) and MODIS Satellite Hotspots Data.	RUGS UPM	MEMBER	30,000	National

H. CONSULTANCY AND RESEARCH CONTRACT

CONSULTANCY GRANT

Duration	Project Title	Grant	Role	Amount	Level
2023-2024	Menyedia dan mencetak Pelan Tindakan Kebakaran Hutan di dalam kawasan Hutan Simpan Kekal di Negeri Terengganu (Proposal under evaluation).	Forestry Department of Terengganu State	LEADER	150,000	National
2018 –2022	Consultancy for Hydrological Modelling Study for the Ulu Muda FR (WWF Malaysia).	WWF Malaysia	LEADER	189,000	National
June 2017 - November 2017	Kajian Analisa Kos Faedah (Cost-Benefit Analysis) Projek Koridor Ekologi Central Forest Spine (CFS) di CFS2:PL1 Hutan Simpan Labis Timur-Hutan Simpan Mersing-Hutan Simpan Lenggong Tengah, Johor.	Peninsular Malaysia Forestry Department (FDPM)	MEMBER	338,000	National
June 2017 - November 2017	Kajian Penilaian Ekonomi dan Mekanisme Bayaran Perkhidmatan Ekosistem (PES) Hutan Tadahan Air Dalam Hutan Simpanan Kekal, Jabatan Perhutanan.	Peninsular Malaysia Forestry Department (FDPM)	MEMBER	304,00	National
2016	Land use change reviewer with Roundtable on Sustainable Palm Oil (RSPO).	RSPO	LEADER	6,000	National
2012	Asia Forum on Carbon Update, Bandung, Indonesia.	Graduate Study and Research in Agriculture (SEARCA)	MEMBER	2,000	International

2009- 2010	East Coast Economic Region - ECER – Universiti Putra Malaysia/MiGT.	Malaysian Industry- Government Group for High Technology (MIGHT)	MEMBER	400,00	National
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I. INTELLECTUAL PROPERTIES RIGHT

Year	Project Title	Code
2016	Questionnaire for Carbon Consumption Activities at Tourism Sites	20162271901
2016	<i>Persepsi Pensyarah, Saintis dan Pelajar UPM dalam Isu Kebakaran Hutan di Malaysia (Malay language)</i>	20162271902
2021	Module of Environmental Education Activities in Mangroves	LY2021W06043

J. JOURNAL/ARTICLE REVIEWER/EDITOR

Year	Paper Title	Journal
2023	Estimating Global Carbon Storage in Planted Forests	Journal of Geophysical Research - Biogeosciences
2022	Smart Shoe for Health Screening	10th IEEE Conference on Systems, Process & Control (ICSPC 2022)
2022	Shoreline Erosion and Mangrove Planting Projects along the South Central Coast of Vietnam: A Study from Quang Ngai Province	Environment, Development and Sustainability (ENVI)
2022	Forest Land Change Assessment Karang Mumus Sub-Watershed: Land Use	Jurnal Manajemen Hutan Tropika
2022	The Mapping of Mangrove Ecosystem in Segara Anakan using Normalized Different Vegetation Index and Dominated Vegetation Index: Mapping ecosystem with NDVI and INP index	Jurnal Manajemen Hutan Tropika
2022	Analysis of Polarimetric Coherence Data and Derived Roll-Variant Parameters of Sentinel-1 Data for Characterizing Mangrove Types in Pichavaram Wetlands	Geocarto International
2022	Image Compression for Underwater Multi-Robot Loop Closing	Remote sensing letter
2022	INTROPICA BIOREM ISSUE 24 MAGAZINES	INTROPICA INTROP
2021	The Benefit Value of Dukuh Tree Vegetation as an Agroforestry System for the Banjar Community of South Kalimantan	The 2 nd International Symposium on Arborists in The tropics: trees and Human Health
2021	An assessment of faloak (<i>Sterculia quadrifida</i> R.Br.) bark utilization in Kupang City: herbal medicine in the urban environment	The 2 nd International Symposium on Arborists in The tropics: trees and Human Health
2020	Remote sensing for drought evaluation over rice cultivated areas in Cambodia during 2000 to 2019	Geocarto International
2020	Impacts of forest fragmentation on Net Primary Production of Changbai Mountain	European Journal of Forest Research

2019	INTROPICA BIOREM ISSUE 18 MAGAZINES	INTROPICA INTROP
2018	INTROPICA BIOREM ISSUE 15 MAGAZINES	INTROPICA INTROP
2018	Comparison of visual and automated oil palm mapping in Borneo	International Journal of Remote Sensing
2018	A review of remote sensing application in tropical forestry and their extensions for the plantation sector	Geocarto International
2012	Selected Physical Properties of Deep Peat with two Different Ages of Oil Palm Trees	International Journal of Physical Science

K. MEMBERSHIP

Year	Role	Association
2022-2024	Co-opt Committee	Institutional of Geospatial and Remote Sensing Malaysia (IGRSM)
2023	Member	Persatuan Penyelidik UPM
2017	Professional Member Co-opt Committee	Institutional of Geospatial and Remote Sensing Malaysia (IGRSM)
2019	Member	Society for Conservation Biology
2023	Member	Persatuan Penyelidik UPM
2016	Treasurer	
2012	Exco	
2019	Member	Supervisory Committee for University Graduate Studies Committee
2020	Member	
2022	Member	Graduate Student Supervisory Committee, UniSZA

L. STUDENTS SUPERVISION

No.	Student information/Thesis/Project title	Year	University
1.	Noor Atiqah binti Badaluddin, "The Response of Soil Water Content and Evapotranspiration to an Extremely Dry Condition of Lowland Tropical Forest Pasoh Forest Reserve, Peninsular Malaysia". Master	Completed	Universiti Sultan Zainal Abidin(Unisza),
2.	Abd. Majid Jalil (GS54337), "Quantification of agarwood formation, development and Quality in Aquilaria trees". PhD	Thesis submitted	UPM
3.	Megat Najib B. Megat Mohamed Hazir (GS53918), 'Early monitoring of disease incidence in tree plantation using UAV technology'. Master	Waiting for viva	UPM
4.	Hamzad Fahmi B. Ahmad Jani (GS54117), 'Predicting soil Organic Carbon and Total Nitrogen content using NIR spectroscopy on <i>Eucalyptus pellita</i> plantation in Sabah'. Master	Completed	UPM
5.	Nurul Fatin Musa (GS50232), 'Improvement of Vegetation Indices Sensitivity and Formulation for Peat Swamp and Agricultural Crops'. Master	Completed	UPM
6.	Maizatul Azwa Radzi (S38852). Internship		UMT

7.	Fatin Nurliyana (GS49261), 'Morpho-physical and combining ability analysis on <i>H. Cannabis</i> breeding line and new developed hybrid or high yield fibre quality' Master Student	Thesis submitted	UPM
8.	Ikanatasha Binti Saad (172911). Internship	Completed	UPM
9.	Nurshairah binti Che Mood (174662). Internship	Completed	UPM
10.	Nor Zunaidah binti Jusoh (172363). Internship	Completed	UPM

M. BRIEF NETWORKING AND COLLABORATION ACTIVITIES

Date	Programs
10 -11 Mei 2023	Presentation – Project: Development of Eucalyptus Forest plantation in collaboration with Borneo Forestry Cooperative (BFC)
April 2020 – December 2022	MOA – Project Title: Total Economic Evaluation for Gelam Forest in Setiu, Terengganu Location: WWF- Malaysia, Petaling Jaya
17 January 2020	Presentation – Project Title: Hydrological Modelling Study for the Ulu Muda Forest Reserve Location: WWF- Malaysia, Petaling Jaya
15 January 2020	Meeting – Project Title: Total economic valuation study for Gelam forest Location: Institute of Tropical Forestry and Tropical Forest Products
15 October 2019	Social survey – Project Title: Kajian Impak Aktiviti Harian, Sosial, Kependudukan dan Penggunaan Kawasan Berhutan Terhadap Industri Pelancongan di Taman Negara Location: Kuala Tahan, Jerantut, Pahang
20 September 2026	MTA – Borneo Forestry Cooperative (BFC) (2019-2029)
15 September 2019	Meeting – Project Title: Hydrological Modelling Study for Ulu Muda Forest Reserve Location: Wisma Darul Aman, Kedah
4-8 December 2018	Visit – Project Title: Network ASEAN Peat Swamp Forest Communities Location: Jab. Perhutanan Negeri Selangor and Raja Musa Forest Reserve, Selangor
5 July 2018	Collaboration – Project Title: Persatuan Pengusaha Gaharu Bumiputera Malaysia' (PENGHARUM) for Research and Development of Gaharu dan Karas industry Location: Institute of Tropical Forestry and Tropical Forest Products
2018	Collaboration – Project title: Hydrological Modelling Study for Ulu Muda Forest Reserve

Location: Lembaga Kemajuan Pertanian Muda (MADA), Alor Setar, Kedah

17 May 2018

Collaboration –

Project title: Improvement of Vegetation Indices Sensitivity and Formulation for Natural Lowland Forest and Agricultural Crops based on National Forest Inventory Data Under Changing Climate in Raja Musa Forest Reserve

Location: Peninsular Malaysia Forestry Department (JPSM) for Study

27 – 29 May 2012

Meeting –

Project title: Research extension and collaboration – INTROP and FORDA

Location: FORDA-INTROP, Bogor, Indonesia

N. COMMUNITY PROGRAMS

Year	Programs
1 December 2021	Program: Program Penanaman Pokok di Lanskap INTROP Location: Institute of Tropical Forestry and Tropical Forest Products, Universiti Putra Malaysia
15 January 2020	Program: Pengurusan dan Pembangunan Nnurseri Pokok Bakau Location: Taman Rekreasi Paya Bakau Kampung Sijangkang, Selangor
15 January 2020	Program: One-Touch QR Code Location: Taman Rekreasi Paya BakauKampung Sijangkang, Selangor
6 November 2019	Program: Putra Rimba Rimbun Program Location: SISFEC and INTROP, Universiti Putra Malaysia
17 July 2019	Program: Projek Kesedaran 2019 Peringkat Kebangsaan (Zon Tengah & Selatan), Penggunaan Kertas Kitar Semula Location: Institute of Tropical Forestry and Tropical Forest Products, Universiti Putra Malaysia
20 Jun 2019	Program: Volunteer Program 'Code Red' 2019 Location: Sekolah Kebangsaan Kampung Tunku, Petaling Jaya
12 July 2012	Program: Minggu Panitia Sains Tambahan Tahun 2012 Location: SMK Putrajaya Presint 11(1), Putrajaya

O. EXAMINER/POSTER JUDGE/FACILITATOR/MODERATOR

Year	Programs
25 – 26 January 2022	Jury – Title: Safety & Health for All (S&H 2021) Location: Institute of Tropical Forestry and Tropical Forest Products
4 August 2020	Examiner – Title: Research Proposal Seminar SPS5903/SPS6903 Location: Institute of Tropical Forestry and Tropical Forest Products
25 October 2021	Moderator – Title: Bengkel kajian Pemodelan Hidrologi Hutan Simpan Ulu Muda Location: WWF-Malaysia and UPM
22 October 2021	Speaker – Title: Monthly Agro-based Engineering Seminar (MABES) Location: Zoom platform, Universitas Brawijaya, Indonesia
20 August 2021	Speaker – Title: WiPNET Sharing Session Location: UPM, Serdang
04 August 2021	Moderator – Title: Program Tips and Tricks to Write A High Impact, Publishable Research Article Location: UPM, Serdang
1 July 2020 – 30 Jun 2023	Examiner – Title: Prestasi Projek Penyelidikan INTROP Location: INTROP
21 November 2017	Poster Judge – Title: Wood and Biofiber International Conference Location: Bangi-Putrajaya Hotel
12 May 2017	Examiner – Title: Research Proposal Seminar SPS5903/SPS6903 Location: Institute of Tropical Forestry and Tropical Forest Products

16 June 2016	Examiner – Title: Research Proposal Seminar SPS5903/SPS6903 Location: Institute of Tropical Forestry and Tropical Forest Products
1 – 2 December 2015	Poster Judge – Title: INTROP Research Colloquium 2015, Location: RHR Hotel, Bangi
4 – 6 June 2012	Facilitator – Title: Course on Basics Remote Sensing & GIS Location: Institute of Tropical Forestry and Tropical Forest Products
30 – 31 May 2011	Facilitator – Title: Course on Forest Fire & GIS Modelling Location: Faculty of Forestry, Universiti Putra Malaysia

P. SPEAKERS/CHAIRMAN/MODERATOR

Year	Programs
8 – 9 March 2022	Moderator- Title: IGRSM 2022 Location: Online Zoom platform, Universiti Putra Malaysia
2 February 2022	Speaker - Title: Remote Sensing for Mapping RAMSAR Heritage Site in Malaysia Location: Dolphine (PG) Institute of Biomedical & Natural Science, Dehradun, Uttarakhand, India, Online Zoom
2 November 2021	Speaker- Title: Introduction to Basic Remote Sensing Using GIS & Remote Sensing Software Location: Institute of Tropical Forestry and Tropical Forest Products, Universiti Putra Malaysia, Online Zoom
25 October 2021	Speaker and Moderator – Title: Bengkel Kajian Pemodelan Hidrologi Hutan Simpan Ulu Muda
22 October 2021	Speaker- Title: Monthly Agro-Based Engineering Seminar (MABES) Location: Faculty of Agricultural Technology, Universitas Brawijaya, Indonesia, Online Zoom
20 August 2021	Speaker – Title: WiPNET Sharing Session Location: Universiti Putra Malaysia, Online GM
4 August 2021	Moderator – Title: Tips and Tricks to Write a High Impact, Publishable Research Article Location: Institute of Tropical Forestry and Tropical Forest Products, Universiti Putra Malaysia, Online Zoom
1 November 2018	Chairperson – Title: Session Engineering & Technology I, Putra Research Symposium (PRS) 2018, Location: Bangi-Putrajaya Hotel, Selangor
21 November 2017	Convenor – Title: Wood and Biofiber International Conference Location: Bangi-Putrajaya Hotel

3 November 2015

Speaker –

Title: Program Kenal R&D

Location: Institute of Tropical Forestry and Tropical Forest Products, Universiti Putra Malaysia

12 July 2012

Speaker –

Title: A talk in conjunction with *Minggu Panitia Sains Tambahan 2012*

Location: SMK Putrajaya Presint 11 (1), Putrajaya

Q. CERTIFICATES OF PARTICIPATION

Date	Program
9 March 2022	Participant Advancing Peatland Monitoring
5 July 2022	Oral Presenter 4th International Symposium on Multidisciplinary Sciences. Traversing Multidisciplinary sciences and technology: Towards SDGs Realization Location: Universiti Putra Malaysia
11 – 12 August 2022	Oral presenter “Land Cover Mapping using Object-Based Analysis in Forested and Plantation Areas” at The 9th International Conference on Agriculture 2022
29 – 30 August 2022	Oral Presenter Challenges of Stakeholder Engagement in Consulting Projects. ReONS 2022 1st Research Officers National Symposium
26 – 27 September 2022	Participant Course on Soil Identification and Classification 2022
25 February 2021	Participant LRGS-MRUN Selangor River Basin Workshop 2.0
21 – 22 June 2021	Oral Presenter In The Virtual Symposium of The 2nd International Symposium on Arboriculture in The Tropics: Trees and Human Health (the 2nd ISATrop2021)
1 December 2021	Participant Program Penanaman Pokok di Lanskap INTROP
5 March 2020	Participant INTROP Lecture Series: Application of Non-Destructive Testing in Forest Plantation & Wood Quality Assessment
23 September 2020	Participant Network Analysis and its Applications
10 – 11 September 2019	Presenter Seminar Kebangsaan Hutan Paya Laut dan Persisiran Pantai Negara 2019 Location: Park Avenue Hotel, Sungai Petani Kedah
16 -18 April 2018	Participant Uncover the Language of Technical Computing Complete Guide to MATLAB
24 – 25 April 2018	Participant The 9th IGRSM international conference and exhibition on geospatial and remote sensing (IGRSM 2018) Location: Berjaya Times Square Hotel
1 November 2018	Oral Presenter Putra Research Symposium (PRS) 2018 Location: Bangi-putrajaya hotel

22 November 2018	Participant Writing A Review: Scoping, Systematic Or Overview Location: Seminar Room, Malaysian Research Institute On Ageing (MyAgeing)
25 March 2017	Participant Program Tanam Pokok Negeri Selangor Tahun 2017 Sempena Hari Hutan Antarabangsa
21 – 22 December 2017	Participant Data Analysis Utilizing Microsoft Excel (Level 2) Location: UPM Serdang
4 February 2016	Participant Bengkel Pemurnian Manuskrip Location: UPM Serdang
8 August 2016	Participant Pre-conference workshop in conjunction with SFDCC2016 “Precision in Tropical Forestry using Drone Technology”
8 – 11 August 2016	Oral Presenter Internasional Conference on Sustainable Forest Development in View of Climate Change (SFDCC2016) Location: Bangi-Putrajaya Hotel
12 – 14 August 2016	Participant Program Transformasi Negara Kumpulan Sokongan Universiti Putra Malaysia Location: Kem Bina Negara Ulu Sepri Negeri Sembilan
9 November 2016	Oral Presenter IEEE Workshop on Geoscience and Remote Sensing (IWGRS 2016) Location: Faculty of Engineering, UPM
28 April 2015	Poster Presenter Putra Research Symposium 2015 Location: Putra Learning Space, CADE, UPM
17 – 18 November 2015	Participant Training on Strategic Scientific Modelling Location: INTROP, UPM
1 – 2 December 2015	Oral Participant INTROP Research Colloquium 2015 Location: RHR Hotel, Uniten Bangi
4 December 2015	Participant Bengkel Penulisan Kertas Kerja Dan Pemantauan Geran Komuniti Location: UCTC UPM
28 January 2012	Participant National Training Course on Climate Change Mitigation and Adaptation Strategies For Agricultural Productivity in Southeast Asia Malaysia
4 – 5 July 2012	Participant Seminar on Long-Term Ecological Research In East Asia Pacific Region (EAP-LTER 2012) Location: FRIM

9 – 11 July 2012	Oral Presenter 11th International Annual Symposium on Sustainability Science And Management Location: Ri-Yaz Heritage Marina Resort & Spa Kuala Terengganu, Terengganu
2 August 2012	Participant Program Motivasi ‘Dari Stres Ke Sukses’
28 – 29 April 2011	Participant Kursus Teknik Pembentangan Berkesan Location: Faculty of Human Ecology, UPM
15 – 16 June 2011	Participant Agricultural Scientific Information Workshop Location: Palm Garden Hotel. IOI Resort City Putrajaya
5 – 6 July 2011	Participant Kursus ‘Exploring Introductory Statistics using SPSS’ Location: Institut Pengajian Sains Sosial, UPM
12 – 13 July 2011	Oral Presenter 2011 IEEE International Conference on Space Science And Communication (ICONSPACE 2011) Location: Pulau Pinang
19 – 21 July 2011	Participant Kursus AutoCAD untuk Perhutanan Location: FRIM
5 – 9 December 2011	Participant The First National Seminar On Advanced Biostatistics: Spatial Spatiotemporal Data Analysis Location: Faculty Of Medicine and Health Sciences
11 February 2010	Participant Building Dynamic KPIs Through Strategic Thinking in Enhancing Organisational Performance
4 March 2010	Participant GIS Day 2010 Location: UPM
5 – 7 March 2010	Participant Kursus Komunikasi dan Penyeliaan Berkesan Location: Hutan Simpan Ayer Hitam Puchong
20 – 23 April 2010	Participant Training on Biomass and Carbon Stocks Inventory Using Remote Sensing Methods
8 – 11 May 2010	Participant 9th International Annual Symposium on Sustainability Science and Management (UMTAS 2010) Location: Permai Inn Kuala Terengganu
5 – 7 October 2010	Participant International Symposium on Forestry And Forest Products (ISFFP) Location: The Legend Hotel, Kuala Lumpur

15 – 18 November 2010	Participant VI International Conference on Forest Fire Research Location: Coimbra, Portugal
14 – 16 December 2010	Oral Presenter INTROP Research Colloquium 2010 Location: Pullman Putrajaya Lakeside
8 – 10 May 2009	Bengkel Penyediaan Cadangan Penyelidikan Location: Avillion Admiral Cove Port Dickson
10 – 11 August 2009	Participant 8th International Symposium And Exhibition On Geoinformation (ISG 2009) Location: Crowne Plaza Mutiara Hotel, Kuala Lumpur
27 – 29 October 2009	Participant Agriculture Congress 2009 Location: Palace of The Golden Horses, Seri Kembangan
19 – 20 November 2008	Participant
23 December 2008	MS ISO 9001: 2000 Pengukuhan Teknik Dan Kemahiran Audit Dalaman QMS 4