

CURRICULUM VITAE



Prof. Dr. Arifin Abdu

Department of Forest Management & Bio-D Faculty of Forestry &
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43400 Serdang, Selangor Darul Ehsan
MALAYSIA

Deputy Vice Chancellor (Student Affairs and Alumni)
Universiti Putra Malaysia (UPM)
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Education

1. **PhD.** in Forest Rehabilitation and Conservation, 2008, Ehime University Japan
2. Master in Forestry (Environmental Conservation and Management), 2005, Universiti Putra Malaysia
3. B.Sc. Forestry (Forest Management), 2002, Universiti Putra Malaysia

Areas of Interest

Forest Soil (Pedology), Forest Rehabilitation and Conservation

Professional Qualification/ Membership/ Affiliation

1. **Member**, Forest Management and Ecology Unit in Centre of Excellence for Tropical Forest Ecosystem Science
2. **Member**, Institute of Marketing Malaysia

Appointments

Deputy Vice-Chancellor , Student Affairs & Alumni	1 Oct 2020 – present
Principal , KPZ Residential College	July 2019 – Sept 2020
Principal , 13 th Residential College	Feb 2009 – Jun 2019
Acting Principal , 13 th Residential College	Aug 2008 – Feb 2009
Research Associate , Laboratory of Sustainable Bioresource Management, Institute of Tropical Forestry and Forest Products, UPM	2010 - present
Member , Forest Management and Ecology Unit in Centre of Excellence for Tropical Forest Ecosystem Science	May 2009 – Jun 2009

Professional Services/Consultation

No	Title	Details	Year
1.	Projek member	Species-site quality study and quantification of biomass production and carbon sequestration of selected planted forest	June 2010-June 2012
2.	Projek member	Increased production efficiency in small-holder kenaf with Lembaga Tembakau Negara-KPPK-INTROP- UNIDO	July 2010 – July 2012
3.	Projek member	Site quality variation due to topography and effect on growth of forest plantation (MTIB)	June 2010-June 2012
4.	Projek member	Screening of fast-growing indigenous species for forest plantation	June 2010-June 2012
5.	Projek member	Study on marketing strategy and implementation on Kenaf industry development at east coast economic region (ECER)	Mac 2010 – August 2011
6.	Projek member	Forest plantation development at Tasek Serendah, Rawang, Selangor	Oct 2011-Nov 2012
7.	Projek member	Land application of sewage sludge	2003-2005
8.	Projek member	Assessment of sewage sludge on rubber plantation	2004-2005
9.	Projek member	Carbon Stock Assessment For Oil Palm at Replanting Age (RM30,000)	2013
10.	Projek member	Economic Valuation of Ecosystem Products and Services of Bukit Sg.Puteh Forest Reserve (RM386,000.00)	2015
11.	Projek member	Kajian Kuantifikasi dan Penilaian Ekonomi Stok Karbon di Hutan Simpan Sungai Pulai, Johor (RM242,078.16)	2015
12.	Projek member	The potential of Eucalyptus plantation in Malaysia (RM100,000.00)	2017

Student Supervision

Level	Graduated		On-going	
	Chairman/Supervisor	Committee/Co-Supervisor	Chairman/Supervisor	Committee/Co-Supervisor
PhD	1	10	3	0
MSc	7	6	0	0

Publications

Journals (20 recent journals)

Scopus ID : 26867512100

ORCID ID : <https://orcid.org/0000-0001-6832-6507>

Google Scholar : <https://scholar.google.com.my/citations?user=jMB2CgsAAAAJ&hl=en>

SCOPUS : H-INDEX = 13, CITATION= 467

GOOGLE SCHOLAR : H-INDEX= 18, CITATION= 1004

- KARAM, D. S., NAGABOVANALLI, P., Sundara, K., RAJOO, C. F. I., Arifin, A. B. D. U., Zamri ROSLI, F. M., & MUHARAM, D. Z. (2021). An overview on the preparation of rice husk biochar, factors affecting its properties, and its agriculture application. *Journal of the Saudi Society of Agricultural Sciences*.
- Garden Veggies for Beginners. (Book) Publisher: Nature U Services ISBN: 978-967-25602-0-3. Intan Nadhirah Masri, Daljit Singh Karam, Keeren Sundaro Rajoo., **Arifin Abdu**, Susilawati Kasim, Rosazlin Abdullah
- Sundara Rajoo, K., Karam, D. S., **Abdu, A.**, Rosli, Z., & James Gerusu, G. (2021). Urban Forest

- Research in Malaysia: A Systematic Review. *Forests*, 12(7), 903.
4. Jeffary, A. V., Ahmed, O. H., Heng, R. K. J., Choo, L. N. L. K., Omar, L., Musah, A. A., & **Abdu, A.** (2021). Nitrous Oxide Emissions in Pineapple Cultivation on a Tropical Peat Soil. *Sustainability*, 13(9), 4928.
 5. Sulok, K. M. T., Ahmed, O. H., Khew, C. Y., Zehnder, J. A. M., Jalloh, M. B., Musah, A. A., & **Abdu, A.** (2021). Chemical and Biological Characteristics of Organic Amendments Produced from Selected Agro-Wastes with Potential for Sustaining Soil Health: A Laboratory Assessment. *Sustainability*, 13(9), 4919.
 6. Wndy Luta, Osumanu Haruna Ahmed, Latifah Omar, Roland Kueh Jui Heng, Liza Nuriati Lim Kim Choo, Mohamadu Boyie Jalloh, Adiza Alhassan Musah, **Arifin Abdu** (2021) Water Table Fluctuation and Methane Emission in Pineapples (*Ananas comosus* (L.) Merr.) Cultivated on a Tropical Peatland, *Agronomy*
 7. Zaid, M. H. M., Sidek, H. A. A., Matori, K. A., **Abdu, A.**, Mahmoud, K. A., Al-Shammari, M. M., ... & Sayyed, M. I. (2021). Influence of heavy metal oxides to the mechanical and radiation shielding properties of borate and silica glass system. *Journal of Materials Research and Technology*, 11, 1322-1330.
 8. Adzmi, F., Musa, M. H., Siddiqui, Y., Yun, W. M., Hamid, H. A., **Abdu, A.**, & Abiri, R. Development of Alginate-Montmorillonite-Starch with Encapsulated *Trichoderma harzianum* and Evaluation of Conidia Shelf Life.
 9. Patek-Mohd, N. N., **Abdu, A.**, Jusop, S., Abdul-Hamid, H., Karim, M., Nazrin, M., ... & Jamaluddin, A. S. (2018). Potentiality of *Melastoma malabathricum* as Phytoremediators of soil contaminated with sewage sludge. *Scientia Agricola*, 75, 27-35.
 10. Mohd Yusoff, K. H., **Abdu, A.**, Sakurai, K., Tanaka, S., & Kang, Y. (2017). Soil morphological and chemical properties in homegardens on sandy beach ridges along the east coast of Peninsular Malaysia. *Soil Science and Plant Nutrition*, 63(4), 357-368.
 11. Nur-Nazirah, P. M., **Arifin, A.**, Shamshuddin, J., Rezaul, K., & Mohd-Hadi, A. (2017). Evaluation of *Ricinus communis* as a Phytoremediator of Manganese in Soil Contaminated with Sewage Sludge. *Pertanika Journal of Tropical Agricultural Science*, 40(3).
 12. Karam, D. S., Abdu, A., Rajoo, K. S., Muharam, F. M., Kasim, M. R. M., & Hamid, H. A. (2017). Proposed soil quality index for rehabilitated tropical forest in sites in Malaysia. *Am. J. Appl. Sci*, 4(1), 13-24.
 13. Aishah, R. M., Shamshuddin, J., Fauziah, C. I., **Arifin, A.**, & Panhwar, Q. A. (2016). Phytoremediation of Copper and Zinc in Sewage Sludge Amended Soils Using *Jatropha curcas* and *Hibiscus cannabinus*. *Journal of the Chemical Society of Pakistan*, 38(6).
 14. YUSUYIN, Y., TAN, N. P., WONG, M. K., **ABDU, A. B.**, IWASAKI, K., & TANAKA, S. (2016). Chemical Forms and Distribution of Soil Micronutrients at An 18-year-old Oil Palm Field in Central Pahang, Malaysia. *Tropical Agriculture and Development*, 60(4), 263-274.
 15. Sadeghi, S. M., Hanum, I. F., **Abdu, A.**, Kamziah, I. K., Hakeem, K. R., & Ozturk, M. (2016). Recovery of soil in hill dipterocarp forest after logging in Kedah Malaysia. *Malaysian Nat J*, 68(1), 187-201.
 16. Basri, M. H. A., **Abdu, A.**, Karim, M. R., Junejo, N., Abdul Hamid, H., Norrashid, N. S., & Abu Bakar, N. (2016). Optimizing fertilizers doses and their effects on photosynthesis and biomass yield of *Hibiscus cannabinus* cultivated on BRIS soil. *Acta Agriculturae Scandinavica, Section B—Soil & Plant Science*, 66(6), 534-543.
 17. Rajoo, K. S., Karam, D. S., **Arifin, A.**, & Muharam, F. M. (2016). Phytoremediation potential of *Dipterocarpus chataceus* planted on sewage sludge contaminated soil. *Middle-East Journal of Scientific Research*, 24(4), 1169-1177.
 18. Mohamed, A. R., Jusop, S., Ishak, F. C., & **Abdu, A.** (2016). Zinc and copper mobility in experimentally disturbed oxisol and ultisol soil columns. *American-Eurasian Journal of Sustainable Agriculture*, 10(2), 16-27.
 19. Syuhada, A. B., Shamshuddin, J., Fauziah, C. I., Rosenani, A. B., & **Arifin, A.** (2016). Biochar as soil amendment: Impact on chemical properties and corn nutrient uptake in a Podzol. *Canadian Journal of Soil Science*, 96(4), 400-412.
 20. Jeyanny, V., Rasidah, K. W., Husni, M. A., Kumar, B. S., Firdaus, S. M., & **Arifin, A.** (2015). Leaf litter decomposition and soil carbon dioxide fluxes across climatic gradient in tropical montane and lowland forests. *Journal of Tropical Forest Science*, 472-487.
 21. Yusuyin, Y., TAN, N. P., WONG, M. K., **ABDU, A. B.**, IWASAKI, K., & TANAKA, S. (2015). Nutrient status of frond heaps and the underlying soils at an 18-year-old oil palm field in Central Pahang, Malaysia. *Tropical Agriculture and Development*, 59(4), 212-220.
 22. Maryam, G., Majid, N. M., Islam, M. M., Ahmed, O. H., & **Abdu, A.** (2015). Phytoremediation of copper-contaminated sewage sludge by tropical plants. *Journal of Tropical Forest Science*, 535-547.

23. Karam, D. S., Jamil, M. N. C., Rajoo, K. S., & **Abdu, A.** (2015). Effects of different incubation periods on microbial biomass carbon (MBC) in two soil series. *Int. J. Environ. Sci. Pollut. Res.* 1(1), 20-22.

Research Grants (5 years)

Duration	Title	Funding	Amount (RM)
2009-2011	Assessing soil nutrient stock and site quality of planted, secondary and natural forest in Malaysia.	UPM	93,000
2009-2011	Assessment of soil fertility under plantation forests of selected states in Peninsular Malaysia	FRGS UPM	60,000
2010-2012	Species-Site Quality Study and Quantification of Biomass Production and Carbon Sequestration of Selected Planted Forest	MTIB Levy Fund	100,000
2010-2012	Increased Production Efficiency in Small-Holder kenaf	UNIDO	2,044.203
2011-2013	Development of new products for soil amendments and remediating heavy metals	FRGS UPM	110,000
2009-2011	Determination of bioremediators for contaminated soils	RUGS	263,000
2008-2013	Establishment of a model planted forest	Mitsubishi Corporation – UPM Joint Research Project	USD343,200
2010-2012	Soil carbon sequestration by quartz-rich Spodosols under tropical environment	RUGS	100,000
2008-2011	Ethnobotanical and phytoremediation studies of medicinal plants of forest origin	FRGS	90,000
2011-2013	Effects of Soil Conditioner and Activator on Hibiscus cannabinus (Kenaf) Productivity Planted on Beach Ridges Interspersed with Swales (BRIS) Soil	FRGS	110,000
2011-2013	Public Awareness on Carbon Capture and Storage	RUGS	40,000
2010-2011	Study on marketing strategy and implementation on Kenaf industry development at east coast economic region (ECER)	MIGHT	500,000
2010-2012	Site Quality Variation Due to Topography and Effect on Growth of Forest Plantation	MTIB	100,000
2009-2011	Hydraulic Conductance of Different Ages and Sizes of three types macro propagated plants	RUGS	84,000
2013-2015	Seed Storage of Selected Hibiscus cannabinus Varieties	RUGS	10,000
2013-2015	Options for 'Clean Development' Activities: Study on Carbon Dynamics in Converted Forested-Land	FRGS	75,000
2014-2016	Soil fertility status and nutrient status at oil palm plantation	Sasagawa foundation	50,000
2014-2015	Soil quality and vegetation status of central forest spine in Gerik, Perak, Peninsular Malaysia	JPSM	100,000
2017-2018	Study the potential of suitability of Eucalyptus plantation in Malaysia	JPSM & Sheeco	100,000

Awards/Recognition (5 years)

No	Award	Year
1.	Awarded travel grant for Tropical Forest Soil Conservation & Plant	2012

	Ecophysiology Workshop as Invited Speaker at Faculty of Agriculture and Marine Science, Kochi University, Japan	
2.	Silver , Invention, Research & Innovation Exhibition, 19-21 July 2011, Universiti Putra Malaysia for a research entitled "Determination of phytoremediator of contaminated soil".	2011
3.	Reviewer for Journal of Agricultural Research Review entitled "Issues on Micronutrients in Agricultural Production Systems in India".	2011
4.	Silver , Invention, Research & Innovation Exhibition 2011, Universiti Putra Malaysia for a research entitled "Determination of phytoremediation of contaminated soil"	2011
5.	Silver , Invention, Research & Innovation Exhibition 2011, Universiti Putra Malaysia for a research entitled "Assessment of light stress adaptability of <i>Platyserium bifurcatum</i> in a changing climate"	2011
6.	Reviewer for Journal of African Journal of Biotechnology entitled "Effectiveness of liquid organic nitrogen fertilizer in enhancing selected nutrients uptake and use efficiency in corn (<i>Zea mays</i>) plant".	2010
7.	Reviewer of The Scientific World Journal entitled "Qualitative assessment of soil carbon enrichment of a rehabilitated using flourier transform infrared spectroscopy.	2010
8.	Bronze , Invention, Research & Innovation Exhibition, 20-22 July 2010, Universiti Putra Malaysia for a research entitled "Water use and growth efficiency of nine varieties of <i>Hibiscus cannabinus</i> (Kenaf)".	2010
9.	Bronze , Invention, Research & Innovation Exhibition, 20-22 July 2010, Universiti Putra Malaysia for a research entitled "A general model for estimating tropical forest biomass".	2010
10.	Silver , Invention, Research & Innovation Exhibition, 28-30 July 2009, Universiti Putra Malaysia for a research entitled "Effects of fertilizer on growth and physiology of <i>Hibiscus cannabinus</i> L. (Kenaf) planted in BRIS soil".	2009
11.	Selected as Malaysian young scientist for International Symposium on Biodiversity Observation Networking in Asia Pacific Region.	2009