

CURRICULUM VITAE
NORAINI BT MD JAAFAR @ AHMAD JAAFAR



| A. Personal Details | | | |
|----------------------------|---|--|-------------------------|
| Full Name | Noraini Bt Md Jaafar @ Ahmad Jaafar | | Title: Dr. |
| Mykad No. / Passport No | Citizenship Malaysia | Race Malay | Gender Female |
| Designation | Senior Lecturer | Date of Birth | 1 November 1980 |
| Current Address | Department/Faculty | E-mail Address and URL | |
| | Department of Land Management Faculty Of Agriculture Universiti Putra Malaysia(UPM) 43400 UPM Serdang Selangor, Malaysia Tel: 603 8947 4953 Fax: 603 8940 8316 | E-mail: j_noraini@upm.edu.my noraini_aj@yahoo.com URL: - | |
| Google scholar | https://scholar.google.com/citations?user=15iB8aoAAAAJ&hl=en | | |
| Area of specialisation | Soil Microbiology, Organic Farming, Soil Science, Biofertilizer, Organic fertilizer, Microscopy | | |

| B. Academic Qualification | | | |
|--------------------------------------|--|-------------------------------------|--|
| Certificate / Qualification obtained | Name of School / Institution | Year obtained | Area of Specialization |
| PhD | University of Western Australia | 2014 | Soil Science |
| Master Science | University Putra Malaysia | 2008 | Soil Microbiology and Biofertiliser |
| Bachelor Science Bioindustry | University Putra Malaysia | 2002 | Microbial Technology and Bioprocess |
| Diploma of Agriculture | University Putra Malaysia | Promoted to B.Sc.Bioindustry | Agricultural Science |

| C. Language Proficiency and Others | | | | | |
|---|---|--------------|----------|---------------|---------------|
| Language | Poor (1) | Moderate (2) | Good (3) | Very good (4) | Excellent (5) |
| English | | | | x | |
| Bahasa Melayu | | | | x | |
| Chinese | x | | | | |
| Others: Arabic | x | | | | |
| Computer software | MS Office (Word, Excel, PowerPoint), SAS v9.0. Image J | | | | |

| D. Scientific experience and Specialisation | | | | |
|---|--|------------|-------------|--|
| Organization | Position | Start Date | End Date | Expertise |
| Journal of Tropical Agricultural Science | Reviewer for journal paper | April 2018 | may 2018 | Soil Science/Land management/Organic agriculture |
| Malaysia Soil Science Society (MSSS) | Member | 2015 | Ongoing | Soil Science |
| Journal of Hazardous Materials (HAZMAT) | Reviewer for journal paper | 9 Aug 2014 | 20 Aug 2014 | Soil Science/Land management/Organic agriculture |
| Biochar Malaysia Association (BMA) | Protem Member, Assistant Secretary, Member | 2014 | Ongoing | Soil amendment |
| Australian Society of Soil Science Incorporated (ASSSI) | Member | 2011 | 2012 | Soil Science |
| Centre for Microscopy, Characterisation and Analysis (CMCA) UWA | Member/User | 2009 | 2012 | Microscopy |
| Universiti Putra Malaysia (UPM) | Tutor | 2002 | 2014 | Soil Ecology (SST 3502) Fundamentals of soil Science (SST 3005) Biometry (BIP 3401) Plant-soil-Microbe Interaction (SST 5501) |
| Universiti Putra Malaysia (UPM) | Research Asisstant | May2002 | Oct2002 | Plant science/Soil Science |
| University of Western Australia (UWA) | PhD Student | 2008 | 2012 | Soil Science |
| Universiti Putra Malaysia (UPM) | M.Sc student, FYP student | 2002 | 2007 | Soil Science |

| E. Employment | | | | |
|---------------------------------|--------------------|------------------------------------|------------|------------|
| Employer | Designation | Department | Start Date | Date Ended |
| Universiti Putra Malaysia (UPM) | Research Associate | Institute of Plantation Management | May 2016 | May 2018 |
| Universiti Putra Malaysia (UPM) | Senior Lecturer | Department of Land Management, FP | Oct 2014 | Ongoing |
| Universiti Putra Malaysia (UPM) | Tutor | Department of Land Management, FP | April 2003 | Oct 2014 |
| Universiti Putra Malaysia (UPM) | Research Asisstant | Department of Land Management, FP | July 2002 | Oct 2002 |
| Universiti Putra Malaysia (UPM) | Research Asisstant | Department of Crop Science, FP | May 2002 | June 2002 |

| F. Honours and Awards | | | | |
|---|------------------------------|--|---|--------------------|
| Name of awards | Title | Award Authority | Award Type | Year |
| OrgaTrop International Conference on Organic Agriculture in the Tropics (2017) | Presenter | Orgatrop Organizer (ISO FAR) | Best Oral Presenter (2nd Place) | 2017 |
| University(UWA) Completion Scholarship | PhD student | University of Western Australia (UWA) | Academic study award (living allowances) | 2012 |
| UWA graduate research student travel grant for the 4th International Biochar Congress (2012), China | PhD student | University of Western Australia (UWA) | Travel award | 2012 |
| MOHE travel grant for Asia Pacific Biochar Conference (APBC 2011), Kyoto | PhD student | Malaysian Ministry of Higher Education (MOHE) | Travel award | 2012 |
| UWA graduate research student travel grant for Australian-New Zealand (ANZ) Biochar Regional meeting (2011), Australia | PhD student | University of Western Australia (UWA) | Travel award | 2011 |
| Asia Pacific Student Travel Award for ANZ Biochar Regional Meeting (2011) in Melbourne, Australia | PhD student | Australian and New Zealand Biochar Researchers Network | 1.Best Student Presentation award 2.Travel award | 2011 |
| National Academic Scholarship (SLAB) | PhD student | Malaysian Government/UPM | Academic study award for doctoral studies | 2008 |
| Excellent Service Award | Tutor | University Putra Malaysia (UPM) | Service award | 2003 - 2009 |
| National Academic Scholarship (SLAB) | M.Sc student | Malaysian Government/UPM | Academic study award for master studies | 2003 |
| Dean's list | Undergraduate student | Faculty of Agriculture UPM | Academic Award (GPA 4.0) | 2002 |
| Gold Medal | Undergraduate student | Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA) | Oustanding Soil Science thesis | 2002 |

| G. List of publications – author (s), title, journal, volume, page and year published | |
|--|--|
| Journal | <p>Lai, L., Ismail, M. R., Muharam, F. M., Yusof, M. M., Ismail, R., & <u>Jaafar, N. M.</u> (2017). Effects of Rice Straw Biochar and Nitrogen Fertilizer on Rice Growth and Yield. <i>Asian Journal of Crop Science</i>, 9(4), 159-166.</p> <p>Rosenani A. B., Rabuni W., Cheah P., <u>Noraini J.</u> (2016) Mass loss and release of nutrient from empty fruit bunch of oil palm applied as mulch to newly transplanted oil palm. <i>Soil Research</i>, 54(8), 985-996.</p> <p><u>Jaafar, N. M.</u>, P.L. Clode, and L. K Abbott (2015). Soil microbial responses to biochar of various particle size, surface and pore properties. <i>Pedosphere</i> 25 (5), pp 770-780.</p> <p><u>Jaafar, N. M.</u>, P.L. Clode, and L. K Abbott (2015). Biochar effects on soil microbial properties in four agricultural soils. <i>Pedosphere</i> 25 (5), pp 729-736.</p> <p>D.S. Karam*, M.N.C. Jamil, <u>N. Jaafar</u>, K.S. Rajoo, A. Arifin (2015) Effects of Different Incubation Periods on Microbial Biomass Carbon (MBC) in Two Soil Series. <i>Journal of Environmental Science and Pollution Research</i>, 1 (1): pp 20-22</p> <p><u>Jaafar, N. M.</u>, P.L. Clode, and L. K Abbott (2014). Microscopy Observations of Habitable Space in Biochar for Colonization by Fungal Hyphae From Soil. <i>Journal of Integrative Agriculture</i>, 13(3), pp 483-490.</p> |
| Chapter in book | <p><u>Jaafar, N. M.</u>, L. K. Abbott, M. Z. Solaiman, and R. Othman. (2017). Biochar - Soil Biological Interactions. In <i>Mycorrhizal Fungi: Advances in Tropical Soil Science Volume 4</i>, UPM Press, pp. 49-66.</p> <p><u>Jaafar, N. M.</u> (2014). Biochar as a Habitat for Arbuscular Mycorrhizal Fungi. In <i>Mycorrhizal Fungi: Use in Sustainable Agriculture and Land Restoration</i> Springer Berlin Heidelberg, pp. 297-311.</p> |
| Book Contributors | Hassan S.A (Eds). (2016) <i>Malay Culinary herbs</i> , UPM Press. pp 121 |
| Proceeding | <p><u>Proceedings-Oral</u></p> <p>J.J.L Khor and <u>N.M. Jaafar</u> (2017). The Effects Of Plant Based Fungicides On Beneficial Soil Mycorrhizal Fungi And Plant Growth. In <i>Proceedings of Orgatrop 2017. (International)</i></p> <p>A.M.Akhir Rudin and <u>N.M. Jaafar</u> (2017). The Effects Of Arbuscular Mycorrhiza Fungi (AMF) And Rice Husk Biochar (RHB) On The Growth Of Maize. In <i>Proceedings of Orgatrop 2017. (International)</i></p> <p><u>Noraini, M.J.</u>, L.K Abbott, and P.L Clode (2015). Soil microbial responses to biochar: Understanding the habitat provision and the influencing factors. In <i>Proceedings of SOILS 2015. "Soil Security For Sustainable Food Production"</i>, Malaysia, pp 75-77 (National)</p> <p><u>Noraini, M.J.</u>, L.K Abbott, D.V Murphy and P.L Clode (2012) Microscopic Observation of Biochar as a habitat for Soil Microorganisms, <i>Congress Proceedings of The 4th International Biochar Congress 2012, Beijing, China</i>, pp 60-63 (International)</p> <p><u>Noraini, M.J.</u>, L.K Abbott, D.V Murphy and P.L Clode (2012) Biochar heterogeneity and soil microorganisms, <i>Congress Proceedings of The 4th International Biochar Congress 2012, Beijing, China</i>, pp 78 (International)</p> <p><u>Noraini, M.J.</u>, Z.M Solaiman, L.K Abbott, D.V Murphy and P.L Clode (2011) Biochar as a Habitat for Soil Microorganisms, <i>The UWA Institute of Agriculture, Postgraduate</i></p> |

Showcase "Frontiers in Agriculture 2011" (University and National)

Noraini, M.J., Z.M Solaiman, L.K Abbott, D.V Murphy and P.L Clode (2011) Biochar effects on mycorrhizal colonization of wheat, Australian-New Zealand (ANZ) Biochar Regional meeting, Australia (2011) (International)

Noraini, M.J., L.K Abbott, D.V Murphy and P.L Clode (2011) Biochar use in agriculture, with an emphasis on soil biology, Australian-New Zealand (ANZ) Biochar Regional meeting, Australia (2011) (International)

Noraini, M.J., Z.M Solaiman, L.K Abbott, D.V Murphy and P.L Clode (2011) Biochar Effects on Mycorrhizal Colonization on Wheat, in Book of Abstracts of APBC KYOTO 2011, Japan, pp 24 (International)

Proceedings-Poster

Noraini, M.J., R Nursyidah and N.S.H Nadiah (2016). Effects of Arbuscular Mycorrhiza Fungi (AMF) and Fertilizer on the Growth of Soursop (*Annona Muricata* L). In Book of Abstracts of International Agriculture Congress 2016, Bangi, Malaysia, (International)

Jaafar, N.M., L.K Abbott, O. Radziah and M.Z Solaiman (2014) Assesment of arbuscular mycorrhizas in western Australian no-till plots with different crop rotation and residue management, In Book of Abstracts of International Agriculture Congress 2014, Putrajaya, Malaysia, pp 100 (International)

Jaafar, N.M., L.K Abbott, and O. Radziah (2013) Biochar as soil amendment: A biological perspective. In Book of Abstracts of National sumposium on urban agriculture, 2013, Putrajaya, pp 40 (International)

Noraini, M.J., L.K Abbott, D.V Murphy and P.L Clode (2010) Biochar as a Habitat for Soil Microorganisms, in Book of Abstracts of Combined Biological Meeting 2010, Western Australia, pp 40 (National /Australia)

Noraini, M.J., O. Radziah, and T.M Mahmud (2006) Effect of EFB Compost on Chemical and Microbial Properties in Mineral Soil, In Proceedings of SOILS 2006 "Strategies for Enhanced Soil and crop Quality", Malaysia, pp 230-232 (National)

Noraini, M.J., O. Radziah and T.M Mahmud (2006) Influence Of Empty Fruit Bunch (EFB) Compost On Arbuscular Mycorrhizal Activity, Exhibition of Invention, Research & Innovation UPM (PRPI 2006), UPM, Malaysia .

Noraini, M.J., H.Azizah, , O. Radziah, and T.M Mahmud (2004) Nitrogen Mineralization of *Nigella Sativa* and Empty Fruit Bunch Residues In Soil; In Book of Abstracts of Agricongress 2004, Malaysia, pp 271 – 272 (International)

Noraini, M.J. and H. Azizah (2003) Mineralisation Of POME In The Rhizosphere And Mycorrhizosphere Of Cocoa Seedlings (*Theobroma cocoa* L.); In Book of Abstracts of 3rd Federation Of Asia Pacific Microbiology Societies Conference 2003, Malaysia, pp 80 (International)

| H. PAST RESEARCH PROJECT | | | | | |
|---------------------------------|--|-------------------------------|-------------|---------------------------------------|----------------|
| Project No. | Project Title | Role | Year | Source and amount of fund | Status |
| GP | Characterisation of rubber trunk bulges: physiological changes and causal factors in superclone RRIM 3001 | Principal Investigator | 2017 | UPM (Putra-IPM) RM 150,000 | Ongoing |
| GP-IPM/2015/9462400 | Arbuscular mycorrhizal fungi inoculation for improved soursop (<i>Annona muricata</i>) growth and bioactive compounds | Principal Investigator | 2015 | UPM (Putra-IPM) RM 60,000 | Ongoing |

| I. PAST CONSULTATION PROJECT | | | | | |
|---|---|-------------------------------|-------------|---------------------------------------|----------------|
| Project No. | Project Title | Role | Year | Source and amount of fund | Status |
| UPM Consultancy and Services Sdn Bhd | Evaluation of Agrotain Fertilizer on Growth and Yield of Corn and Sweet Potato under Malaysian Condition | Principal Investigator | 2018 | Koch Fertilizer RM 150,000 | Ongoing |

| J. PAST INDUSTRIAL LINKAGES/COMMUNITY PROJECT | | | | | |
|--|---|---------------|-------------|---|----------------|
| Project No. | Project Title | Role | Year | Source and amount of fund | Status |
| School Garden / Urban Agriculture Project | Establishment of a Low Carbon and Sustainable School Garden (SK Seri Kemuning) | leader | 2017 | PIBG, SK Seri Kemuning RM 50,000 | Ongoing |
| School Garden / Urban Agriculture Project | Establishment of Sustainable School Garden (SK Sentul 2) | Member | 2018 | PIBG, SK Sentul RM 20,000 | Ongoing |