

CURRICULUM VITAE

Name : WAN ZALIHA BINTI WAN SEMBOK
Department :
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ACADEMIC QUALIFICATION

(Institute),(Qualification),(Discipline),(Year)

Universiti Pertanian Malaysia, B. Agric. Sc., Agriculture, 1995

Universiti Putra Malaysia, M. Agric. Sc, Soil fertility and biofertilizer, 2003

Curtin University of Technology, PhD, Postharvest Physiology, 2009

PROFESSIONAL QUALIFICATIONS

(Qualification),(Discipline),(Awarding Institute),(Year Awarded).

PREVIOUS APPOINTMENT

(Post),(Organisation),(From)-(Until)

Research Assistant, Prof. Dr. Sharifuddin Hj.Abd. Hamid

Department of Soil Science, Faculty of Agriculture, Universiti Pertanian Malaysia, August
1995-March 1997

Research Assistant, Prof. Dr. Azizah Hashim

Department of Soil Science / Department of Land Management

Faculty of Agriculture

Universiti Putra Malaysia, May 1997-January 2000

Research Assistant, Assoc. Prof. Dr. Mohd Idris Zainal Abidin

Department of Crop Science

Faculty of Agriculture

Universiti Putra Malaysia, December 1998-January 2000

Tutor, Department of Agrotechnology
Faculty of Agrotechnology and Food
Science
Universiti Malaysia Terengganu, November 2005-December 2010

Lecturer, Department of Agrotechnology, Faculty of Agrotechnology and Food Science,
Universiti Malaysia Teengganu, December 2010-Present

ADMINISTRATIVE DUTIES

(Role),From)-(Until),(Level), (Organisation)

Penyelaras Program Sarjana Muda Sains Agroteknologi (Teknologi Lepas Tuai), June 2011, November 2013, F, Department of Agrotechnology, FASM, UMT

Ahli SIG Utama, August 2010, Present, F, Roselle Special Interest Group

Penyelaras Latihan Industri Program Sarjana Muda Sains Agroteknologi (teknologi Lepas Tuai), December 2014, Present, U, School of Food Science and Technology

Penyelaras Makmal Teknologi Lepas Tuai, September 2014, November 2015, F, School of Food Science and Technology

Pengerusi Program Sarjana Muda Sains Agroteknologi (Teknologi Lepas Tuai), June 2015, Present, U, Universiti Malaysia Terengganu

RESEARCH

(Project title),(Role in project),(From)-(Until),(Source),(Level).

Effects of exogenous application of prohexadione-calcium on accumulation of anthocyanin and quality of roselle, November 2009 - December 2010, Universiti Malaysia Terengganu, National

Postharvest Performance Of Different Maturation Stages Of cashew Apple Grown On Bris Soils and Its Polyphenolics Profile, January 2011 - January 2014, Kementerian Pengajian Tinggi, National

Potential Improvements of Roselle Grown on Bris Soils in Relation to Deficit Irrigation, August 2011 - August 2014, Kementerian Pengajian Tinggi (ERGS), National

Starch- Based Edible Coating in Improving The Quality Of Mango., January 2011 - January 2014, Kementerian Pengajian Tinggi, National

EFFECT OF SINGLE AND MIXED SPECIES OF ARBUSCULAR MYCORRHIZA ON PRE- AND POSTHARVEST PERFORMANCE OF THREE MEDICINAL HERBS (Clinacanthus nutans Lindau, Andrographis paniculata Nees, and Orthosiphons stamineus Benth) GROWN ON BRIS SOIL, July 2014 - In Progress, Kementerian Pengajian Tinggi, National

Increasing the Production from Rock melon (Cucumis melo var. glamour) Greenhouse Through Pollination Service by Domesticated Stingless Bees (Heterotrigona itama), July 2015 - In Progress, Kementerian Pengajian Tinggi, National

PROFESSIONAL AFFILIATIONS

(Client),(Role),(From)-(Until).

EXPERT TECHNICAL/CONTRIBUTION

(Activity),(Client),(Role),(From)-(Until),(Level).

AWARD AND RECOGNITIONS

(Awards),(Awarding Institute),(Year),(Level).

Invention and Research Award Exhibition, Universiti Putra Malaysia, 2000, National

Soils 2005 Conference, Malaysian Society of Soil Science and Universiti Teknologi MARA., 2005, National

Anugerah Perkhidmatan Cemerlang 2010, Universiti Malaysia Terengganu, 2010, University

Anugerah Perkhidmatan Cemerlang 2011, Universiti Malaysia Terengganu, 2012, University

Anugerah My Learn 2011, Universiti Malaysia Terengganu, 2012, University

KEYNOTE ADDRESS / INVITED SPEAKER

(Title),(Event),(Venue),(Organizer),(Date),(Level).

INTELLECTUAL PROPERTY RIGHTS

(Product),(Type),(Year),(Year Awarded).

UNPATENT INTELLECTUAL PROPERTY RIGHTS

(Product),(Type),(Reg. No),(Owner),(Cost)

PUBLICATIONS

(Publication),(Level).

Articles in Journals

W.S. Wan Zaliha and Zora Singh., (2010), *Impact of Regulated Deficit Irrigation on Fruit Quality and Postharvest Storage Performance of Cripps Pink Apple.*, Acta Horticulturae, Vol 877 : 155-162

W.S. Wan Zaliha and Zora Singh, (2010), *Fruit Quality and Postharvest Performance of Cripps Pink Apple in Relation to Withholding Irrigation.*, Acta Horticulturae, Vol 877 : 147-154

Zuraida Abdul Rahman, Suri Roowi, Wan Zaliha W.S and Sreeramanan Subramaniam. 2010, (2010), *Regeneration of Malaysian Indica rice (Oryza sativa) variety MR232 via optimized somatic embryogenesis system*, Journal of Phytology, Vol 2(3) : 30 - 38

Ibrahim W, Wan Zaliha W.S Adzemi Mat A Anila Mastoi, (2013), *Effect of partial rootzone drying technique on yield components of sorghum cultivar*, Journal of Biology, Agriculture and Healthcare, Vol 3 : 21-27

Wan Zaliha, W.S. and Zora Singh, (2013), *Exogenous application of Prohexadione-calcium promotes fruit colour development of ?Cripps Pink? apple*, Acta Horticulturae, Vol 1 : 219-225

Wan Zaliha, W.S. and Zora Singh, (2013), *Lysophosphatidylethanolamine Improves Fruit Colour And Accumulation Of Anthocyanin In Cripps Pink Apples.*, Acta Horticulturae, Submitted, Vol 1 : 227-232

Adzemi Mat Arshad, Ibrahim w and Wan Zaliha W.s, (2013), *Effect of regulated deficit irrigation on growth and yoeld of sorghum*, Journal of Biology, Agriculture and Healthcare, Vol 3 : 1-8

Ab Rahman Zuraida, kamarulzaman Hassan, Fatin Liyana Izzati, Othman Ayu Nazreena, Wan Sembok Wan Zaliha, Che Mohd zain Che Radziah, zainal Zamri, Subramaniam Sreeramanan, (2013), *A simple and efficient protocol for the mass propagation of Vanilla planifolia*, American Journal of Plant Sciences, Vol 4 : 1685-1692

Nur Amirah, Y. Naimah, R. Adzemi, M.A. and Wan Zaliha, W.S., (2014), *Quality and growth development of roselle grown on BRIS soil under regulated deficit irrigation*, Journal of Tropical Plant Physiology, Vol 6 : 23 - 34

Zuraida A.R, Mohd Shukri, M.A. Erny Sabrina, M.N., Fatin Liyana Izzati, K, Ayu Nazreena, O., Juhazliana J., Wan Zaliha WS, (2014), *Improved plant regeneration and in vitro somatic embryogenesis in Ruta graveolens*, Journal of Experimental Biology and Agricultural Sciences, Vol 2(3) : 328-336

13. Zuraida, A.R. Erny Sabrina, M.N., Mohd Shukri, M.A., Razali, M., Norma, H. Wan Zaliha, W.S. and Ayu Nazreena, O., (2015), *In vitro Micropropagtaion of valuable medicinal plant, Piper crocatum*, International Journal of Applied Bioscience, Vol 3(3) : 10 - 16

Nur Amirah, Y., Alias, A.A. and Wan Zaliha, W.S., (2015), *Growth and Water relations of roselle grown on BRIS soil under Partial Rootzone Drying*, Journal of Malaysian Applied Biology, Vol 44(1) : 63-67

Wan Zaliha Wan Sembok, Norul Husna Abu Kasssim, Yusnita Hamzah and Zuraida Abd Rahman, (2015), *Effects of mycorrhizal inoculation on growth and quality of roselle (Hibiscus sabdariffa L.) grown on soilless culture system*, Journal of Malaysian Applied Biology, Vol 44(1) : 57 - 62

Thesis Dissertations

Kesan Mikoriza Arbuskul, Efluen Kilang Kelapa Sawit dan Baja NPK terhadap Pertumbuhan Tanaman Cili dan Sifat Fizik-kimia tanah Pasir Bekas Lombong, Universiti Putra Malaysia, Dept. of Soil Science, Fac. of Agriculture, 2003

Regulation of Fruit Colour Development, Quality and Storage Life of ?Cripps Pink? Apple with Deficit Irrigation and Plant Bioregulators, Curtin University of Technology, Australia, 2009

Kesan Pengairan dan Baja Kalsium Terhadap Kandungan Kalsium dan Nitrogen dalam buah mangga (Mangifer indica L.) pada tanah alkali, Universiti Pertanian Malaysia, Dept. of Soil Science, Fac. of Agriculture

Articles in Proceedings

Wan Zaliha, W.S., Azizah, H., Anuar, A.R. and Mokhtaruddin, A.M. (2005), *The Effect of Mycorrhiza and Oil Palm By-Product on Some Physico-Chemical Characteristics of Tin Tailing Soil.*, Proceedings of the Malaysian Society of Soils Science 2005, 12/04/2005, 13/04/2005, Park Avenue Hotel, Sungai Petani, Kedah.

Wan Zaliha Wan Sembok (2008), *The impact of regulated deficit irrigation on Cripps Pink apples: water relations, colour development and fruit quality.* WA Science: Promoting Science in Western Australia., Proceedings of the Royal Society of Western Australia., 21/09/2008, 21/09/2008, Edith Cowan University, Joondalup, Western Australia

Zuraida A.R., Wan Zaliha W.S and Naziah B (2010), *Effect of Plant Growth Regulator on Improvement of Callus Induction of Malaysian Indica Rice Variety MR232*, National Rice Conference 2010., 28/06/2010, 30/06/2010, Swiss Garden Golf Resort and Spa Damai Laut Lumut, Perak.

Wan Zaliha, W.S and Zora Singh (2010), *Promotive effects of Prohexadione-calcium on fruit colour development of ?Cripps Pink? apple*, Proceedings: 9th International Annual Symposium on Sustainability Science and Management., 08/05/2010, 11/05/2010, Permai Inn Kuala Terengganu, Terengganu, Malaysia

Zuraida A.R., Alizah Z., Roowi S. Wan Zaliha W.S and Naziah B. (2010), *Effect of Seed Stages on Free-Albino Plantlets Regeneration of Indica Rice Variety MR219*, Science, Technology and Social Science Seminar (STSS). . 1-2 Jun 2010., 01/06/2010, 02/06/2010, MS Garden Hotel, Kuantan Pahang

Zuraida A.R., Naziah B , Wan Zaliha W.S and Sreeramanan S. (2010), *Effect of Carbenecillin and Cefotaxine on Callus on Somatic Embryos Growth of Malaysian Indica Rice MR219.*, Proceeding of The 11th Symposium of Malaysian Society of Applied Biology. . 13 Jun-15 Jun 2010, 13/06/2010, 15/06/2010, Hotel Grand Riverview Kota Bharu, Kelantan

Wan Zaliha, W.S and Zora Singh. (2010), *Exogenous Spray Application of Lysophosphatidylethanolamine Promotes Fruit Colour Development of ?Cripps Pink? Apples*, Proceedings: 9th International Annual Symposium on Sustainability Science and Management., 08/05/2010, 11/05/2010, Permai Inn Kuala Terengganu, Terengganu, Malaysia

Wan-Zaliha Wan Sembok, Zora Singh, Neil Campbell, Ewald Swinny (2011),

Regulated Deficit Irrigation Promotes Fruit Colour Development and Accumulation of Anthocyanin in 'Cripp's Pink' Apple, Horticulture For The Future 2011, 18/09/2011, 22/09/2011, Mantra Erskine Beach Resort, Lorne, Victoria

Wan-Zaliha, W.S, Zora Singh and Zuraida, A.R. (2011), *Promotive Effects of Different Levels of 5-Aminolevulinic Acid on Fruit Colour Development and Quality of 'Cripps Pink' Apples*, Universiti Malaysia Terengganu 10th International Annual Symposium (UMTAS 2011), 11/07/2011, 13/07/2011, Permai Hotel Kuala Terengganu, Terengganu

Nor Hamizah, M.Hussein., Wan Zaliha, Wan Sembok. and Zuraida, Abdul Rahman. (2012), *Exogenous Methyl Jasmonate Reduced Chilling Injury Incidence In Two Pineapple Cultivars.*, Proceedings of the 12th symposium of the Malaysian Society of Applied Biology., 01/06/2012, 03/06/2012, Ri-Yaz Heritage Marina Resort and Spa, Kuala Terengganu, Terengganu.

Nur Syuhadah, A. A., Wan Zaliha, W. S. and Zuraida, A. R. (2012), *Effects Of Arbuscular Mycorrhiza On Growth, Yield And Postharvest Performance Of Roselle (Hibiscus Sabdariffa L.) Grown On Bris Soil.*, Proc. of the Soil Science Conference of Malaysia, 10/04/2012, 12/04/2012, Renaissance Kota Bharu Hotel,. Kelantan

Nor Hamizah Hussin @ Mat Hussin, Wan Zaliha Wan Sembok and Yusnita Hamzah. (2012), *Physico-Chemical Characteristics And Postharvest Performance Of Cashew Apple (Anacardium Occidentale L.) Grown On Bris Soil: A Preliminary Study*, Plant Science Seminar, 18/10/2012, 19/10/2012, Innovation and Creative Gallery, UiTM Shah Alam

Ibrahim, W., Adzemi, M.A. and Wan Zaliha, W.S. (2013), *Effects of Regulated Deficit Irrigation on Growth and Yield of Sorghum Cultivar*, Universiti Malaysia Terengganu 13th International Annual Symposium (UMTAS 2013), 08/10/2013, 10/10/2013, Permai Hotel, Kuala Terengganu

Wong Fang Lian, Yusnita Hamzah & Wan Zaliha Wan Sembok (2013), *Starch-based edible coating in maintaining the quality of Chock Anan Mangoes*, Transactions of the Malaysian Society of Plant Physiology, Submitted, 27/08/2013, 29/08/2013, Prinz Park Resort, Kuala Terengganu

Wan Zaliha Wan Sembok, Siti Hajar Aris, Yusnita Hamzah and Zuraida Abdul Rahman (2013), *Effects of different ethylene removals on Berangan Banana (Musa sp. AAA Berangan)*, Transactions of the Malaysian Society of Plant Physiology, Submitted, 27/08/2013, 29/08/2013, Prinz Park Resort, Kuala Terengganu

Naimah Roppiee @ Shafiee, Wan Zaliha Wan Sembok, Nur amirah Yusoff and Adzemi Mat Arshad (2013), *Quality and growth development of roselle grown on BRIS soil in relation to regulated deficit irrigation*, Transactions of the Malaysian Society of Plant Physiology, Submitted, 27/08/2013, 29/08/2013, Prinz Park Resort ,

Kuala Terengganu

Yusnita Hamzah, Nurul Farhanah Mohd Aluwi, Wan Zaliha Wan Sembok (2013), *Effect of stevia as a sweetener substitution on the quality of Kuih Baulu*, 13th ASEAN Food Conference, 09/09/2013, 11/09/2013, Singapore

Ain Najwa Khairul Anwar, Wan Zaliha Wan Sembok, Yusnita Hamzah and Zuraida Abdul Rahman (2013), *Effect of different soilless growing media and Biochar on growth, yield and postharvest quality of lowland cherry tomato (Solanum lycopersicum var Cerasiforme)*, Transactions of the Malaysian Society of Plant Physiology, Submitted, 27/08/2013, 29/08/2013

Alias AB Aziz, Wan Zaliha Wan Sembok, Nur Amirah Yusoff & Adzemi Mat Arshad (2013), *The effects of partial rootzone drying on the yield, growth, and postharvest performance*, Transactions of the Malaysian Society of Plant Physiology, Submitted, 27/08/2013, 29/08/2013, Prinz Park Resort, Kuala Terengganu

Nur Razlin, R., W.S. Wan Zaliha, H, Yusnita and A.R. Zuraida (2013), *Effects of deficit irrigation on growth and postharvest performance of roselle (Hibiscus sabdariffa L.) grown on BRIS soil*, Proceedings of SOILS 2013, 16/04/2013, 18/04/2013, Bukit Gambang Resort City, Gambang, Pahang

Wan Zaliha Wan Sembok, Syazwani Musa, Yusnita Hamzah and Zuraida Abdul Rahman (2013), *Effect of plant growth regulators in developing parthenocarpic roselle calyx*, Transactions of the Malaysian Society of Plant Physiology, Submitted, 27/08/2013, 29/08/2013

Nur Hamizah Hussin @ Mat Hussin, Wan Zaliha Wan Sembok & Yusnita Hamzah (2013), *Postharvest performance of physico-chemical changes of two cultivars of cashew apple (Anacardium occidentale L.) at different maturation stages*, Transactions of the Malaysian Society of Plant Physiology, Submitted, 27/08/2013, 29/08/2013, Prinz Park Resort, Kuala Terengganu

Nur Amirah Y, W.S. Wan Zaliha, H, Yusnita, A. R. Zuraida (2013), *Effects of Arbuscular Mycorrhiza fungi and foliar fertilizer on the growth performance of Misai Kucing (Orthosiphon stamineus Benth)*, Proceedings of SOILS 2013, 16/04/2013, 18/04/2013

Wan Zaliha, W.S., Naimah, R. and Nur Amirah, Y. 2014. (2014), *Plant water status of roselle grown on BRIS soil in relation to regulated deficit irrigation. Proceedings of SOILS 2014.*, Proceedings of SOILS 2014, 08/04/2014, 10/04/2014, Putra Palace, Kangar, Perlis.

Muhammad Nadzri Ramdan, Nur Amirah Yusoff and Wan Zaliha Wan Sembok.

(2014), *The impacts of partial rootzone drying induced at different growth stages on the yield, growth and postharvest performance of roselle (Hibiscus sabdariffa L.) grown on BRIS soil.*, The 4th International agricultural students symposium, 13/02/2014, 22/02/2014, Universiti Putra Malaysia

Wan Zaliha Wan Sembok, Norul Husna Abu Kassim, Yusnita Hamzah and Zuraida Abd Rahman. (2014), *Effects of mycorrhizal inoculation on growth and quality of roselle (Hibiscus sabdariffa L.) grown in soilless culture system.*, The 13th Symposium of Malaysian Society of Applied Biology 2014., 08/06/2014, 10/06/2014, Cherating, Pahang

Wan Zaliha, W.S. and Nursyuhada, J. (2014), . *Effects of different concentrations of plant growth regulators in developing parthenocarpic roselle (Hibiscus sabdariffa L.) calyx and maintaining its postharvest quality.*, International Conference on Plant Physiology 2014, 26/08/2014, 28/08/2014, Discovery Kartika Plaza Hotel, Bali, Indonesia.

Wan Zaliha Wan Sembok, Siti Zulaikha Dol Baharin, Zuraida Abd Rahman and Yusnita Hamzah (2014), *Effects of different auxin and gibberellin concentrations on early flowering and yield of stevia (Stevia rebaudiana Bertoni).*, Proceedings of the 13th Symposium of the Malaysian Society of Applied Biology 2014., 08/06/2014, 10/06/2014, Cherating, Pahang

Wan Zaliha, W.S., Nadzri. M.R, and Nur Amirah, Y. 2014. (2014), *Effects of partial rootzone drying at different growth stages on the yield, growth and postharvest performance of roselle (Hibiscus sabdariffa L.) Grown on BRIS soil.*, Proceedings of SOILS 2014., 08/04/2014, 10/04/2014, Puta Palace, Kangar, Perlis.

Nur Amirah, Y., Alias, A.A., and Wan Zaliha, W.S. (2014), *Growth and water relations of roselle grown on BRIS soil under partial root zone drying.*, The 13th Symposium of Malaysian Society of Applied Biology 2014., 08/06/2014, 10/06/2014, Cherating, Pahang

Nor Hamizah, M.H., Yusnita, H. and Wan Zaliha, W.S. (2014), *The physico-chemical changes of red cashew apple (Anarcadium occidentale L.) cultivar stored at low temperature storage.*, Proceedings of the 13th Symposium of the Malaysian Society of Applied Biology 2014, 08/06/2014, 10/06/2014, Cherating, Pahang.

Ain Najwa Khairul Anwar, Wan Zaliha Wan Sembok, Yusnita Hamzah, Rosazlin Abdullah and Zuraida Abdul Rahman. 2015. (2015), *Identification and propagation of arbuscular mycorrhiza fungi on trap plants.*, Proceedings of postgraduate seminar 2015. 2 August 2015. School of Food Science and Technology, UMT.pp: 71 - 75., 02/08/2015, 02/08/2015, School of Food Science and Technology, UMT

Wan Zaliha, W.S. Nor-Atiqah, L. and Yusnita, H. (2015), *Effect of plant growth regulators on postharvest quality of Banana (Musa sp AAA Beragan)*, Malaysian

Society of Plant Physiology 2015., 18/08/2015, 20/08/2015, Sunway Lost World of Tambun, Ipoh, Perak

Alias, A.A. Puteri-Edaroyati, M.W., Wan Zaliha, W.S. and Hawa, Ze.J. (2015), *Alias, A.A. Puteri-Edaroyati, M.W., Wan Zaliha, W.S. and Hawa, Ze.J. 2015. Influences of paclobutrazol on growth performance and yield of roselle (Hibiscus sabdariffa L.) to minimize plant lodging problem.*, Malaysian Society of Plant Physiology 2015. 18 ??? 20 August 2015., 18/08/2015, 20/08/2015, Sunway Lost World of Tambun, Ipoh, Perak

Wan Zaliha, W.S. Fatin-Farhana, A.H.K., Ain-Najwa, K.A. and Yusnita, H. (2015), *Effects of new soilless growing media and arbuscular mycorrhiza on growth performance of lowland cherry tomato (Solanum lycopersicon esculentum var. Cerasiforme).*, Malaysian Society of Plant Physiology 2015. 18 ??? 20 August 2015., 18/08/2015, 20/08/2015, Sunway Lost World of Tambun, Ipoh, Perak

Nur Amirah Yusoff, Wan Zaliha Wan Sembok and Adzemi Mat Arshad. (2015), *Nur Amirah Yusoff, Wan Zaliha Wan Sembok and Adzemi Mat Arshad. 2015. Effects of regulated deficit irrigation on quality and growth development of roselle grown on BRIS soil.*, Proceedings of postgraduate seminar 2015., 02/08/2015, 02/08/2015, School of Food Science and Technology, UMT

Mohd-Azrif, A., Nurul-Azilla, M and Wan Zaliha, W.S. (2015), *The effects of different substrates of Biochar on the growth and postharvest quality of Misai Kucing (Orthosiphon stamineus Benth).*, Malaysian Society of Plant Physiology 2015, 18/08/2015, 20/08/2015, Sunway Lost World of Tambun, Ipoh, Perak

Wan Zaliha, W.S., Zain-Hassan, S.M. and Zuraida, A.R. (2015), *Effects of exogenous spray of prohexadione-calcium on the pre and postharvest performance of roselle (Hibiscus sabdariffa L.)*, Malaysian Society of Plant Physiology 2015. 18 ??? 20 August 2015. Sunway Lost World of Tambun, Ipoh, Perak (abstr.), 18/08/2015, 20/08/2015, Sunway Lost World of Tambun, Ipoh, Perak.

Wan Zaliha W.S., Tuan-Nur Aqilah, T.M.P., Ain-Najwa, K. A., Yusnita, H., Rosazlin, A. and Zuraida, A.R. (2015), *Effects of Arbuscular mycorrhiza and rice husk biochar on the growth performance and postharvest quality of Sabah Snake Grass (Clinacanthus nutans Lindau) grown on BRIS Soil.*, Malaysian Society of Plant Physiology 2015., 18/08/2015, 20/08/2015, Sunway Lost World of Tambun, Ipoh, Perak

Nor Hamizah Hussin @ Mat Hussin, Wan Zaliha Wan Sembok and Yusnita Hamzah. (2015), *The physico-chemical changes of yellow cashew apple (Anacardium occidentale L.) Cultivar stored at low temperature storage.*, Proceedings of postgraduate seminar 2015., 02/08/2015, 02/08/2015, School of Food Science and Technology, UMT.

Wan Zaliha, W.S. and Nurul Azilla, M. (2015), *The growth and postharvest performance of Misai Kucing (Orthosiphon stamineus Benth) in relation to different soilless growing media and biochar.*, International Conference on Plant Physiology 2014, 26/08/2014, 28/08/2014, Discovery Kartika Plaza Hotel, Bali, Indonesia.

Wan Zaliha, W.S., Nur Iliana, M.R. and Nur Amirah, Y. (2015), *The effect of regulated deficit irrigation applied at different growth stages on pre- and postharvest performances of roselle (Hibiscus sabdariffa L.) grown on BRIS soil.* . 7 - 9 April 2015., Proceedings of SOILS 2015, 07/04/2015, 09/04/2015, The Everly Hotel, Putrajaya.

Posters

Wan Zaliha, W.S., Azizah, H., Anuar, A.R. and Mokhtaruddin, A.M, (2005), *The Effect of Mycorrhiza and Oil Palm By-Product on Some Physico-Chemical Characteristics of Tin Tailing Soil*, Soils 2005 Conference, Park Avenue Hotel, Sungai Petani, Kedah

W.S. Wan Zaliha and Zora Singh, (2009), *Fruit Quality and Postharvest Performance of Cripps Pink Apple in Relation to Withholding Irrigation*, 6th International Postharvest Symposium, Antalya, Turkey

Wan Zaliha, W.S and Zora Singh., (2010), *Exogenous Spray Application of Lysophosphatidylethanolamine Promotes Fruit Colour Development of 'Cripps Pink' Apples*, Proceedings: 9th International Annual Symposium on Sustainability Science and Management. 8th - 11th May 2010., Permai Inn Kuala Terengganu, Terengganu, Malaysia

Wan Zaliha, W.S and Zora Singh., (2010), *Promotive effects of Prohexadione-calcium on fruit colour development of 'Cripps Pink' apple*, Proceedings: 9th International Annual Symposium on Sustainability Science and Management., Permai Inn Kuala Terengganu, Terengganu, Malaysia

Wan-Zaliha, W.S, Zora Singh and Zuraida, A.R., (2011), *Promotive Effects of Different Levels of 5-Aminolevulinic Acid on Fruit Colour Development and Quality of 'Cripps Pink' Apples*, Universiti Malaysia Terengganu 10th International Annual Symposium (UMTAS2011), Permai Hotel, Kuala Terengganu

Nor Hamizah, M.Hussein., Wan Zaliha, Wan Sembok. and Zuraida, Abdul Rahman., (2012), *Exogenous Methyl Jasmonate Reduced Chilling Injury Incidence In Two Pineapple Cultivars*, The 12th symposium of the Malaysian Society of Applied Biology, Ri-Yaz Resort and Spa, Terengganu

W.S. Wan Zaliha, S.M. Zain Hasan and A.R. Zuraida, (2012), *Effects Of Exogenous Application Of Prohexadione-Calcium On Accumulation Of Anthocyanin And Quality Of Roselle Calyx*, 7th International postharvest symposium 2012, Putra World Trade Centre, Kuala Lumpur., Under Review

Nur Syuhadah, A. A., Wan Zaliha, W. S. and Zuraida, A. R., (2012), *Effects Of Arbuscular Mycorrhiza On Growth, Yield And Postharvest Performance Of Roselle (Hibiscus Sabdariffa L.) Grown On Bris Soil.*, Soil Science Conference of Malaysia 2012, Renaissance Kota Bharu Hotel,. Kelantan

W.S. Wan Zaliha and Zora Singh, (2012), *Lysophosphatidylethanolamine spray application improves fruit colour and accumulation of anthocyanin in 'Cripps Pink' apples*, 7th International Postharvest Symposium 2012, Putra World Trade Centre, Kuala Lumpur

W.S. Wan Zaliha and Zora Singh, (2012), *Exogenous spray application of Prohexadione-calcium promotes fruit colour development of 'Cripps Pink' apple*, 7th International Postharvest Symposium 2012, Putra World Trade Centre, Kuala Lumpur

Naimah Roppiee @ Shafiee, Wan Zaliha Wan Sembok, Nur amirah Yusoff and Adzemi Mat Arshad, (2013), *Quality and growth development of roselle grown on BRIS soil in relation to regulated deficit irrigation*, 24th Malaysian Society of Plant Physiology Conference, Prinz Park Resort, Terengganu

Wan Zaliha Wan Sembok, Syazwani Musa, Yusnita Hamzah and Zuraida Abdu Rahman, (2013), *Effect of plant growth regulators in developing parthenocarpic roselle calyx*, 24th Malaysian Society of Plant Physiology Conference, Prinz Park Resort, Terengganu

Yusnita Hamzah, Nurul Farhanah Mohd Aluwi, Wan Zaliha Wan Sembok, (2013), *Effect of stevia as a sweetner substitution on the quality of Kuih Baulu*, 13th ASEAN Food Conference, Singapore

Wan Zaliha Wan Sembok, Siti Hajar Aris, Yusnita Hamzah and Zuraida Abdul Rahman, (2013), *Effects of different ethylene removals on Berangan Banana (Musa sp. AAA Berangan)*, 24th Malaysian Society of Plant Physiology Conference, Prinz Park Resort, Terengganu

Ain Najwa Khairul Anwar, Wan Zaliha Wan sembok, Yusnita Hamzah and Zuraida Abdul Rahman, (2013), *Effect of different soiless growing media and Biochar on growth, yield and postharvest quality of lowland cherry tomato (Solanum lycopersicum var Cerasiforme)*, 24th Malaysian Society of Plant Physiology Conference, Prinz Park Resort, Terengganu

Nur Amirah Y, W.S. Wan Zaliha, H, Yusnita, A. R. Zuraida, (2013), *Effects of Arbuscular Mycorrhiza fungi and foliar fertilizer on the growth performance of Misai Kucing (Orthosiphon stamineus Benth)*, SOILS 2013, Bukit Gambang Resort City, Gambang, Pahang

Nur Razlin, R., W.S. Wan Zaliha, H, Yusnita and A.R. Zuraida, (2013), *Effects of deficit irrigation on growth and postharvest performance of roselle (Hibiscus sabdariffa L.) grown on BRIS soil*, SOILS 2013, Bukit Gambang Resort City, Gambang, Pahang

Wan Zaliha Wan Sembok, Siti Zulaikha Dol Baharin, Zuraida Abd Rahman and Yusnita Hamzah., (2014), *Effects of different auxin and gibberellin concentrations on early flowering and yield of stevia (Stevia rebaudiana Bertoni).*, The 13th Symposium of the Malaysian Society of Applied Biology 2014., Cherating, Pahang

Wan Zaliha Wan Sembok, Norul Husna Abu Kassim, Yusnita Hamzah and Zuraida Abd Rahman. 2014., (2014), *Effects of mycorrhizal inoculation on growth and quality of roselle (Hibiscus sabdariffa L.) grown in soilless culture system.*, The 13th Symposium of Malaysian Society of Applied Biology 2014, Cherating, Pahang

1. Nur Amirah, Y., Alias, A.A., and Wan Zaliha, W.S., (2014), *Growth and water relations of roselle grown on bris soil under partial root zone drying.*, The 13th Symposium of Malaysian Society of Applied Biology 2014., Cherating, Pahang

Wan Zaliha, W.S. and Nurul Azilla, M., (2014), *The growth and postharvest performance of Misai Kucing (Orthosiphon stamineus Benth) in relation to different soilless growing media and biochar.*, International Conference on Plant Physiology 2014, Discovery Kartika Plaza Hotel, Bali, Indonesia.

Wan Zaliha, W.S., Naimah, R. and Nur Amirah, Y., (2014), *Plant water status of roselle grown on BRIS soil in relation to regulated deficit irrigation.*, SOILS 2014., Putra Palace, Kangar, Perlis.

Wan Zaliha, W.S., Nadzri. M.R, and Nur Amirah, Y. 2014. . 8 ? 10th April 2014., (2014), *Effects of partial rootzone drying at different growth stages on the yield, growth and postharvest performance of roselle (Hibiscus sabdariffa L.) Grown on BRIS soil.*, SOILS 2014, Putra Palace, Kangar, Perlis.

General Publications

Wan Zaliha, W. S. and Azizah, H., (1998), *Hindari pencemaran bunyi- bersama kita amalkan.* In: ERA HIJAU 4/98., Universiti Putra Malaysia, Selangor, 1, 01/01/1998

Azizah, H. and Wan Zaliha, W. S., (1999), *Harta Benda Awam, Harta Kita.* In: ERA HIJAU 3/99., Universiti Putra Malaysia, Selangor, 1, 01/06/1999

Azizah, H. and Wan Zaliha, W. S., (1999), *Petua Hijau.* In: ERA HIJAU 2/99., Universiti Putra Malaysia, Selangor, 1, 01/04/1999

Azizah, H. and Wan Zaliha, W. S., (1999), *Makhluk Pengurai. In: ERA HIJAU 1/99.*, Universiti Putra Malaysia, Selangor, 1, 01/01/1999

Wan Zaliha, W. S. 2000., (2000), *Tahukah Adik-adik..Apa Khasiat Tersembunyi Tumbuhan Rempah Ratus? In: ERA HIJAU 2/2000.*, Universiti Putra Malaysia, Selangor, 1, 01/04/2000

Wan Zaliha, W. S., (2000), *Bagaimana Sungai Terbentuk. In: ERA HIJAU 1/2000*, Universiti Putra Malaysia, Selangor, 1, 01/01/2000

Dr. Elmi Salina Ab Manaf, Roshita Ibrahim, Dr. Wan Zaliha Wan Sembok, (2012), *UMT Memperkasa Bidang Apikultur*, AgroMalaysia, 1, 01/12/2012

Wan Zaliha Wan Sembok dan Roshita Ibrahim, (2012), *Berjaya Beri Nilai Tambah Kepada Pelajar*, Infokus, 1, 01/11/2012

Dr. Elmi Salina Ab Manaf, Roshita Ibrahim, Dr. Wan Zaliha Wan Sembok, (2012), *Bengkel Lebah Madu Jadi Tarikan Utama Persidangan Ke-11 Asian Apicultural Association*, Infokus, 1, 01/11/2012

Wan Zaliha, W.S., (2015), *Water Scarcity and Postharvest Quality of Various Fruit Crops*, Malaysian Society of Soil Science, 2, 01/04/2015

EXPERT LINKAGES

(Client),(Linkage),(Year Involve),(Duration),(Level Award).

ACADEMIC PROJECT SUPERVISION

(Student's Name),(Degree),(Thesis Title),(Year Awarded).

Nur Amirah Yusoff, Bachelor, Effects of arbuscular mycorrhizal fungi and foliar fertilizer on the growth performance of Misai kucing (*Orthosiphon stamineus* Benth), 2012

Nur Razlin Rasid, Bachelor, Fruit quality and postharvest performance of roselle in relation to deficit irrigation, 2012

Nur Len Ramlee, Bachelor, Effects of mycorrhizal infection on fruit yield and quality of watermelon grown on BRIS soils, 2012

Fathin Fariha Mohamed Nasir, Bachelor, Effects of arbuscular mycorrhiza fungi on growth and performance of tomato grown in soilless culture, 2012

Syahyuni Syahril, Bachelor, Effects of exogenous application of salicylic acid, oxalic acid and methyl jasmonate on chilling injury of pineapple cv Josapine, 2012

Nur azura Hazinan, Bachelor, Effects of different packaging materials on fresh-cut Jackfruit stored at different storage temperatures, 2012

Norul Husna Abu Kassim, Bachelor, Effects of mycorrhizal inoculation on growth and quality of roselle (*Hibiscus sabdariffa* L.) grown in soilless culture system, 2012

Ifah Husna Abdullah Ripain, Bachelor, Response of methyl jasmonate on chilling injury and fruit quality of pink guava (*Psidium guajava* L.) stored at low temperature storage, 2012

Nor Shuhadah Abdul Aziz, Bachelor, Effects of arbuscular mycorrhiza (AM) fungi on growth, yield and postharvest performance of roselle (*Hibiscus sabdariffa* L.) grown on BRIS soils, 2011

Nor Hamizah binti Hussin @ Mat Hussin, Bachelor, Effects of exogenous methyl jasmonate on chilling injury and postharvest quality of two different cultivars of pineapple, 2011

Masturah Ismail, Bachelor, Impact of 1-methylcyclopropene on quality and chilling injury incidence of roselle at low temperature storage, 2011

Farah Jamaluddin, Bachelor, The Role Of Methyl Jasmonate On Chilling Injury And Fruit Quality Of *Averrhoa carambola* L. cv. B10 During Storage, 2011

Wan Amilin Wan Nazimuddin, Bachelor, Impact of 1-methylcyclopropene on calyces quality and post harvest storage of roselle (*Hibiscus sabdariffa* L.), 2011

Saadiah Nafisah Md Juferi, Bachelor, Kandungan karotenoid, asid askorbik, dan vitamin E dalam bahagian yang boleh dimakan pada *Moringa oleifera* (kelor), 2011

Nur Adauwiyah Arifin, Bachelor, Effects of 1-methylcyclopropane on quality and chilling injury incidence of sapodilla (*Achras sapota* L.) stored at low temperature, 2012

Syazwani Musa, Bachelor, Effects of plant growth regulators in developing parthenocarpic roselle calyces, 2013

Alias Ab Aziz, Bachelor, The effects of partial rootzone drying on the yield, growth and postharvest performance of roselle grown on BRIS soil in lysimeter., 2013

Siti Zulaikha Dol Baharin, Bachelor, Effects of different auxin and gibberellins concentrations on early flowering and yield of stevia (*Stevia rebaudiana*), 2013

Siti Hajar Aris, Bachelor, Effects of different ethylene removals on Banana Berangan (*Musa paradisiaca* L.), 2013

Naimah Roppiee@Shafiee, Bachelor, The quality and growth of roselle grown on BRIS soil in relation to regulated deficit irrigation, 2013

Ain Najwa Khairul Anwar, Bachelor, Effects of different soilless growing media in combination of Biochar on growth, yield and postharvest quality of lowland cherry tomato (*Solanum lycopersicum* var. *ceriform*), 2013

Nur Farhanah Durrar Zainal, Bachelor, The response of stevia on different levels of biochar in combination with arbuscular mycorrhiza fungi grown on BRIS soil, 2013

Nurul Ayuni Wan Mahmood, Bachelor,)The effects of different foliar fertilizers on plant

growth and postharvest quality on chillies (*Capsicum annum* L.), 2013

Nur Hamizah Mat Hussien, Master, Postharvest Performance Of Different Maturation Stages Of Cashew Apple Grown On Bris Soils And Its Polyphenolics Profile., N/A

Wong Fang Lian, Master, Starch-Based Edible Coatings In Improving The Quality Of Mango, 2015

Ibrahim Wulet, Master, Effect of water deficit on growth and yield of sorghum, 2014

Nur Shariah Salleh, Doctor of Philosophy, Maintenance of Phytochemicals and raw materials safety of Hemptedu Bumi (*Adrographis paniculata*) through sustainable Postharvest Practices, N/A

Nur Amirah Yusoff, Master, Potential improvements of Roselle Grown on Bris Soils in Relation to Deficit Irrigation, N/A

Farah Najwa Zainal Abidin, Bachelor, Removal of astringency from *Salacca zalacca* by using different concentrations of CO₂, 2014

Siti Zubaidah Mohamad, Bachelor, The effect of different concentrations of N₂ on removing astringency of *Salacca zalacca*, 2014

Nurul Azilla Muhammad, Bachelor, Postharvest performance of *Orthosiphon stamineus* in relation to different soilless growing media and biochar, 2014

Nurul Hananis Ahmad Fauzi, Bachelor, effects of different concentrations of plant growth regulators on growth, yield and postharvest performance of stevia, 2014

Nurul Ain Shuhada Azman, Bachelor, The impacts of different concentrations of plant growth regulators, yield and postharvest performance of misai kucing, 2014

Muhammad Nadzri Ramdan, Bachelor, The Impacts of Partial Rootzone Drying Induced at Different Growth Stages on the Yield, Growth and Postharvest Performance of Roselle (*Hibiscus Sabdariffa* L.) Grown on Bris Soil, 2014

Nur Iliana Mohd Rashid, Bachelor, The Effects of Regulated Deficit Irrigation Induced at Different Growth Stages on the Yield, Growth and Postharvest Performance of Roselle (*Hibiscus Sabdariffa* L.) Grown on Bris Soil, 2014

Nursyuhada Japri, Bachelor, Effects of exogenous spray application of auxin in developing parthenocarpic roselle calyx, 2014

Nur Amirah Azhari, Bachelor, Effects of different concentrations of zeolite and activated charcoal in delaying ripening of Berangan Banana (*Musa* sp. AAA), 2014

Norfaizah Mohd Yunus, Bachelor, Effects of combination of AM and ethephon on growth performance of nisai kucing grown on BRIS soil, 2014

Fatin Farhana Abd Hadi Kamil, Bachelor, Effects of new soilless growing media and AM on growth performance of lowland cherry tomato, 2014

Nor Atirah Mohd aridi, Bachelor, The effects of photoperiod and hormone on the growth and quality of stevia, 2014

Ain Najwa Khairul Anwar, Master, EFFECT OF SINGLE AND MIXED SPECIES OF ARBUSCULAR MYCORRHIZA ON PRE- AND POSTHARVEST PERFORMANCE OF THREE MEDICINAL HERBS (*Clinacanthus nutans* Lindau, *Andrographis paniculata* Nees, and *Orthosiphon stamineus* Benth) GROWN ON BRIS SOIL, N/A

Siti Nur Adila Hamzah, Bachelor, EFFECTS OF METHYL JASMONATE, OXALIC ACID AND SALICYLIC ACID IN DELAYING RIPENING OF DUKU (*Lansium Domesticum*), 2015

Nor Atiqah Loqman, Bachelor, EFFECT OF PLANT GROWTHS REGULATORS ON POSTHARVEST QUALITY OF BANANA (*Musa spp.*), 2015

Koh Suet Yen, Bachelor, EFFECT OF FUMIGATION NITROGE ON POSTHARVEST QUALITY OF FRESH CUT CARAMBOLA (*Averrhoa Carambola*), 2015

SITI FARAH BT. HARUN, Bachelor, EFFECT OF DIFFERENT CONCENTRATIONS OF AUXIN AND GIBBERELLIN IN DEVELOPING PARTHENOCAPIIC CHILLI (*Capsicum annuum* L.), 2015

Mohd Azrif Abdullah, Bachelor, THE EFFECTS OF NEW SOILLESS GROWING MEDIA AND BIOCHAR IN COMBINATION WITH ARBUSCULAR MYCHORRHIZA ON THE GROWTH AND POSTHARVEST QUALITY OF MISAI KUCING (*Orthosiphon stamineus* Benth), 2015

MUHAMMAD SYAFIQ B. ABDUL ZARIM, Bachelor, THE GROWTH AND QUALITY OF ROSELLE (*Hibiscus Sabdariffa* L.) UNDER PARTIAL ROOTZONE DRYING APPLIED AT DIFFERENT GROWTH STAGES, 2015

TUAN NUR AQILAH BT. TUAN MOHD PAUZI, Bachelor, EFFECTS OF SINGLE SPECIES OF ARBUSCULAR MYCHORRHIZA ON THE GROWTH PERFORMANCE OF SABAH SNAKE GRASS (*Clinacanthus nutans* Lindau) GROWN ON BRIS SOIL, 2015

NURUL ZURAIDA BT. MOHD ZAINI SHAHRI, Bachelor, EFFECTS OF DIFFERENT TYPES OF AUXIN AND GIBBERELLIN IN DEVELOPING PARTHENOCAPIIC ROSELLE (*Hibiscus sabdariffa* L.) CALYX, 2015

ANWARUDDIN B. MUHAMMAD, Bachelor, EFFECTS OF BIOCHAR ON GROWTH PERFORMANCE OF LOWLAND CHERRY TOMATO (*Solanum lycopersicum* var *Ceriform*) UNDER SOILLES CULTURE SYSTEM, 2015

NUR FADHILAH BT. JUHARI, Bachelor, EFFECTSOF PLANT GROWTH REGULATORS ON POSTHARVEST PERFORMANCE OF DUKU (*Lansium domesticum*), 2015

MOHD ABID ISHAMUDDIN B. ABDUL MALIK, Bachelor, EFFECTS OF FEEDING FERMENTED LIQUID OR SOLID FROM CORN KERNEL SILAGE ON POSTHARVEST ESSENTIAL AMINO ACID AND GROWTH OF BROILER (CHICKEN), 2015

ABDUL HANIF B. ABDUL KARIM, Bachelor, EFFECTS OF FEEDING DIFFERENT LEVEL OF POSTHARVEST FERMENTED CORN KERNEL ON THE GROWTH AND QUALITY OF BROILER BIRDS, 2015

MUHAMMAD HAFIQZUDDIN BIN ZULKIFLI, Bachelor, EFFECT OF FEEDING DIFFERENT LEVEL OF POSTHARVEST FERMENTED CORN KERNEL ON THE GROWTH AND QUALITY OF BROILER DUCKS, 2015

NURUL FAIQA BT. MOHD NOR, Bachelor, Effect of Biochar and effective microorganism (EM) on postharvest quality of Chinese Spinach (*Amaranthus oleraceus*) grown on BRIS soil, 2015

NOR AMALI BINTI ROSLI, Bachelor, EFFECT OF FUMIGATION CARBON DIOXIDE ON POSTHARVEST QUALITY OF FRESH CUT CARAMBOLA (*Averrhoa Carambola*), 2015

Mohamad Azri Bin Ya'acob, Bachelor, The Effect of Different Storage Arrangement on the Quality of Red Tilapia (*Oreochromis sp.*) During Ice Storage, 2014

Nurhaedah Binti Buwathy, Bachelor, Functional Properties and Acceptability of Roselle Drinks Made from Oxidized Dried Calyx of Different Roselle (*Hibiscus sabdariffa* L.) Varieties, 2014

Nurul Husna Bt. Shafie, Bachelor, The Effect of Different Concentrations of Calcium Chloride on Pre and Postharvest Quality of Chili (*Capsicum annum* L.), 2014

Leni Marlina Binti Idris, Bachelor, Functional Properties and Sensory Acceptabilities of Roselle Tea Made From Oxidized Dried Shoots Of Different Roselle Varieties, 2014

Nurul Nabihah Binti Mohd Nasir, Bachelor, Effect of Different Drying Methods on The Physico-Chemical Properties and Sensory Acceptability of Roselle (*Hibiscus Sabdariffa* var. UKMR-2), 2014

Anas Bin Abdul Jabar, Bachelor, Effect of Different Shucking Methods on the Quality of Clams (*Mercenaria mercenaria*), 2014

Nur Fatin Anis Bt Mohd. Zuber, Bachelor, The Effectiveness of Nitric Oxide as Anti-Browning Agent in Maintaining the Postharvest Quality of Tropical Fresh-Cut Fruits, 2014

Muhammad Farizal B. Muhammad, Bachelor, The Effect of Different Electrical Voltages Treatments on the Growth, Yield and Postharvest Quality of Grey Oyster Mushroom (*Pleurotus sajor-caju*), 2014

?Aina Haziqah Binti Ninggal, Bachelor, Application of Liquid Seeding in Cultivating Grey Oyster Mushroom (*Pleurotus sajor-caju*), 2014

Suriati Binti Yusof, Bachelor, Growth Performance and Postharvest Quality of Giant Clitocybe Mushroom (*Clitocybe maxima*) Cultivated on Different Agro-Waste Substrates, 2014

Muhammad Firdaus Bin Sulaiman, Bachelor, Growth Performance and Postharvest Quality of Grey Oyster Mushroom (*Pleurotus sajor-caju*) Subjected to Different Sound Frequencies Prior to Fruiting Body Formation, 2014

Yahaya Haruna Rawayau, Doctor of Philosophy, Effects of Organic Manure and Mycorrhizal Inoculation on growth and yield of Corn (*Zea mays* L.) on BRIS soil., N/A

Alias Ab Aziz, Master, The influence of paclobutrazol (PBZ) as plant growth regulator to

minimize plant lodging problem and losses of roselle (*Hibiscus sabdariffa* L.) planted conventionally on field, N/A

Nurul Azilla Muhammad, Master, The responses of *Kaempferia parviflora* Wall Ex. Baker (Balck ginger) on the application of different types of biochar substrates and rates grown in soilless culture system, N/A

Yaseer Suhaimi Mohd, Doctor of Philosophy, N/A

Muhammad firdaus Mohd Hatta, Master, Pollination effectiveness and efficiency of stingless bees as alternative pollinator of rockmelon at Taman Pertanian negeri, Sekayu, Hulul Terengganu, N/A

Nor Farhana Rafly, Bachelor, Effects of single and mixed species of Arbuscular mycorrhiza on pre and postharvest performances of Sabah Snake Grass (*Clinacanthus nutans* Lindau) grown on BRIS soil, N/A

Ung Yi, Bachelor, the effects of new soilless growing media and biochar in combination with arbuscular mycorrhiza on the growth and quality of cherry tomato, N/A

Siti Amirah Muhammad Zahid, Bachelor, The effects of charcoal from different agricultural wastes in reducing ethylene production of Beragan Banana, N/A

Siti Aisyah Zaini, Bachelor, The effects of anti-browning agents in reducing browning incidence of Grey Oyster Mushroom (*Pleurotus sajor-caju*), N/A

Theventhran a/l Thedsinamoothy, Bachelor, Pre and postharvest performances of roselle (*Hibiscus sabdariffa* L) grown on BRIS soil in relation to RDI, N/A

Ummi Nadhrah Subandi, Bachelor, Responses of Misai Kucing (*orthosiphon stamineus* Benth) grown on BRIS soil to single and mixed spp of arbuscular mycorrhiza, N/A

Ahmad Faiezian Salleh, Bachelor, Pollination efficiency of *Heterotrigena itama* on rockmelon (*Cucumis melo* var. glamour) in greenhouse, N/A

Mohamad Firdaus Ahmad Rusdi@Fauzi, Bachelor, The effect of silicon on suppression of vascular wilt disease and postharvest quality of roselle, N/A

SUBJECT TAUGHT

(Subject),(Session),(Credit Hour),(Student Level),(Organisation).

BOTANI DAN FISILOGI TANAMAN, Dec 2010/11, 4, 50, 3, FASM, UMT

FISILOGI LEPASTUAI, I 2011/12, 4, 49, 3, FASM, UMT

POMOLOGI, I 2011/12, 3, 57, 3, FASM, UMT

OLERIKULTUR, I 2011/12, 3, 60, 3, FASM, UMT

BOTANI DAN FISILOGI TANAMAN, II 2011/12, 4, 75, 3, FASM, UMT

Olericulture, II 2012/13, 3, 53, 3, FASM, UMT

FISIOLOGI TANAMAN, I 2012/13, 4, 73, 3, FASM, UMT
BOTANI DAN FISIOLOGI TANAMAN, II 2012/13, 4, 3, FASM, UMT
BOTANI DAN FISIOLOGI TANAMAN, II 2013/14, 4, 74, 3, FASM, UMT
BOTANI DAN FISIOLOGI TANAMAN, II 2015/16, 4, 3, PPSTM
FISIOLOGI LEPASTUAI, I 2013/14, 4, 79, 3, PPSTM
FISIOLOGI LEPASTUAI, I 2014/15, 4, 73, 3, PPSTM
OLERIKULTUR, I 2014/15, 3, 83, 3, PPSTM
BOTANI DAN FISIOLOGI TANAMAN, Dec 2009/10, 4, 50, 3, FASM, UMT
FISIOLOGI LEPASTUAI, J 2009/10, 4, 1, 3, FASM, UMT
FISIOLOGI LEPASTUAI, J 2010/11, 4, 52, 3, FASM, UMT
POMOLOGI, I 2012/13, 3, 56, 3, FASM, UMT
OLERIKULTUR, I 2013/14, 3, 61, 3, PPSTM, UMT
LATIHAN INDUSTRI, II 2014/15, 6, 77, 3, PPSTM, UMT
FISIOLOGI LEPAS TUAI, II 2014/15, 4, 71, 3, PPSTM, UMT
BOTANI DAN FISIOLOGI TANAMAN, II 2015/16, 4, 82, 3, PPSTM, UMT
FISIOLOGI LEPAS TUAI, I 2015/16, 4, 65, 3, PPSTM, UMT
LATIHAN INDUSTRI, II 2015/16, 6, 70, 3, PPSTM, UMT

EXPERT CONSULTATION

(Consultation),(Role),(Client),(Level), (From - Until), (Cost).

COMMERCIALIZATION

(Comm. Type),(Industry Type),(Product),(Company Name),(Comm. Value).

EXPO/EXHIBITION

(Expo),(Venue),(Organizer),(Level),(Date),(Cost).

MAHA International Exhibition 2010, Serdang, Selangor, MARDI, National, 26/11/2010

Majlis Pesta Konvokesyen ke 8 UMT, Bangunan Censeleri UMT, Universiti Malaysia Terengganu, National, 23/07/2010

Karnival Malaysia Inovatif 2010 Zon Timur, Pusat Dagangan Terengganu (TTC, Kementerian Sains, Teknologi dan Inovasi (MOSTI) dengan kerjasama kerajaan Negeri Terengganu, Pahang, National, 30/07/2010

Mini MAHA Peringkat Negeri Terengganu, Dataran Shah Bandar, Kuala Tere, Gabungan Jabatan Pertanian, MoA, FAMA dan Lembaga Perindustrian Nanas Malaysia, National, 06/08/2010

Research Day UMT 2011, Dewan Sultan Mizan, UMT, RMIC and UMT, National, 24/01/2011

MAHA YOUTH 2011, Putrajaya, Kementerian Belia dan Sukan, National, 27/05/2011

Hari Peladang, Penternak dan Nelayan 2011, Perkarangan Stadium Gong Badak, Lembaga Pertubuhan Peladang, National, 01/01/2011

Sultan Mizan Cup 2011, Lembah Bidong, Setiu, Kerajaan Negeri Terengganu, National, 07/10/2011

Pesta Konvokesyen ke 9 UMT, Bangunan HEPA, UMT, Universiti Malaysia Terengganu, National, 29/09/2011

Karnival Pengajian Tinggi (KPTN) Zin 1 Tahun 2011, Terengganu Trade Centre, Kementerian pengajian Tinggi, National, 15/01/2011

Pameran Lebah kebangsaan dan Apiexpo 2011, Dataran Batu Buruk, Kerajaan Negeri Terengganu, Jabatan Pertanian, Yayasan diraja Sulatan Mizan, Asian Apiculture Assoc, National, 29/10/2012

Pameran Antarabangsa Pertanian, Hortikultur dan Agro Pelancongan Malaysia (MAHA) 2012, MAEPS, Serdang, Selangor., MARDI, National, 23/11/2012

Road To MAHA, Stadium Gong Badak, K. Trg, FAMA dan MOA, National, 25/09/2014

Hari Terbuka PPSTM, Foyer PPSTM, PPSTM, National, 14/09/2014

PAMERAN DAN JUALAN SEMPENA MAJLIS PERASMIAN PENUAIAN ROSEL PERINGKAT NEGERI TERENGGANU, KG PASIR NERING, H. TRG, JABATAN PERTANIAN NEGERI TERENGGANU, National, 10/10/2015

EXTERNAL/INTERNAL/INDEPENDENT EXAMINER

(Candidate/Body),(Degree Level),(Role),(From)-(Until).

ZURAFNI MAT DAUD, SARJANA SAINS, UMT, Internal, 01/08/2014

EXTERNAL REVIEWER/EDITORIAL

(Activity),(Role),(From)-(Until)

African Journal of Agricultural Research, Reviewer, 01/08/2010 - 01/08/2010

Journal of Tropical Agricultural Science, Reviewer, 01/01/2012 - 01/01/2012

ATTENDED COURSE/SEMINARS

(Name of Seminar/Course),(Role),(From)-(Until),(Place),(Title of Paper Presented - if applicable).

The 7th National Seminar on Laboratory Technology, Participant, 28/03/2005 -

29/03/2005, University College of Science and Technology Malaysia (KUSTEM), -

Workshop on preparing biological specimens for microscopy, Participant, 25/04/2004 - 28/04/2004, University College of Science and Technology Malaysia (KUSTEM)

Bengkel Kerjaya FASM, Fasa II, Fasilitator, 01/10/2009 - 03/10/2009, Rumbia Resort Villa, Paka, Kemaman, -

Taklimat Geran Penyelidikan Tajaan FELDA, Participant, 27/10/2009 - 27/10/2009, Bilik Syarahan, UMT, -

Workshop on Scientific Writing and Publication, Participant, 29/10/2009 - 29/10/2009, Persidangan Redang

Syarahan Awam dan Forum oleh Prof. El Hadi Yahia, Participant, 16/12/2009 - 16/12/2009, Universiti Putra Malaysia

International Conference During Challenging Times, Participant, 05/07/2010 - 07/07/2010, Universiti Putra Malaysia, Serdang, Selangor

9th International Annual Symposium on Sustainability Science and Management. 8th - 11th May 2010., Poster presenter, 08/05/2010 - 11/05/2010, Permai Inn Kuala Terengganu, Terengganu, Malaysia, Promotive effects of Prohexadione-calcium on fruit colour development of 'Cripps Pink' apple

9th International Annual Symposium on Sustainability Science and Management. 8th - 11th May 2010., Poster presenter, 08/05/2010 - 11/05/2010, Permai Inn Kuala Terengganu, Terengganu, Malaysia, Exogenous Spray Application of Lysophosphatidylethanolamine Promotes Fruit Colour Development of 'Cripps Pink' Apples

Universiti Malaysia Terengganu 10th International Annual Symposium (UMTAS 2011), Participant, 11/07/2011 - 13/07/2011, Permai Hotel Kuala Terengganu, Terengganu, Promotive effects of different levels of 5-aminoevulinic acid on fruit colour and quality of Cripps Pink apples

Bengkel Kerjaya FASM 2011, Fasilitator, 18/11/2011 - 19/11/2011, MK12 dan MK13

Program Pembangunan Kepimpinan Inovatif dan Transformasi Pensyarah Muda Tahun 2011, Participant, 08/12/2011 - 10/12/2011, Residence Resort Paka, Terengganu

Talk by Dr. Ir. Wogiono From UNPAD, Indonesia, participant, 16/10/2011 - 16/10/2011, PSNZ

Forum Rakan Industri Jabatan Agroteknologi, FASM, Participant, 15/10/2011 - 15/10/2011, Bilik Mesyuarat FASM

Bengkel Penyeliaan Siswazah, Pusat Pengajian Sains Asas, Participant, 21/12/2014 - 21/12/2014, Bilik Seminar Kuliah Pusat, UMT

Taklimat Sistem E-Latihan Industri PPSTM, participant, 27/11/2014 - 27/11/2014, PPSTM, UMT

Bengkel Latihan Industri Ppstm, 21/10/2014 - 21/10/2014, PPSTM, UMT

Program Sehari Bersama Madu Dan Lebah, participant, 20/10/2014 - 20/10/2014, PPSTM, UMT

Seminar Penyeliaan Pelajar Siswazah PPSTM, participant, 19/10/2014 - 19/10/2014, PPSTM, UMT

Program Felow Utama Adjung (Datuk Dr. Abd. Shukor Abd. Rahman) PPSTM, participant, 01/10/2014 - 01/10/2014, Dewan Muhyidin, UMT

Sesi Bersama Rakan Industri Ybhg. Datuk Dr. Abd. Shukor Abd. Rahman, participant, 01/10/2014 - 01/10/2014, PPSTM, UMT

Program Crop Science Day PPSTM, AJK, 22/09/2014 - 22/09/2014, PPSTM, UMT

International Conference On Plant Physiology, Oral and Poster Presenter, 26/08/2014 - 28/08/2014, Discovery Kartika Plaza Hotel, Bali, Indonesia, The growth and postharvest performance of Misai Kucing (*Orthosiphon stamineus* Benth) in relation to different soilless growing media and biochar.

Bengkel Hala Tuju Pusat Pengajian Sains Dan Teknologi Makanan, participant, 20/08/2014 - 20/08/2014, PPSTM

Sem Workshop & Amp; Tem Presentation, participant, 13/08/2014 - 13/08/2014, Makmal Sains Tanaman, PPSTM

Perjumpaan Dekan Bersama Staf Pusat Pengajian Sains Dan Teknologi Makanan, participant, 11/08/2014 - 11/08/2014, PPSTM

Seminar On Food Safety 2014, participant, 25/06/2014 - 26/06/2014, Kuala Lumpur

Program Latihan Pengisian Sasaran Kerja Tahunan (Skt) Pegawai Alademik Ppstm, participant, 23/06/2014 - 23/06/2014, PPSTM

The 13th Symposium Malaysian Society Of Applied Biology, Poster Presenter, 08/06/2014 - 10/06/2014, The Legend Resort Cherating, Effects of different auxin and gibberellin concentrations on early flowering and yield of stevia (*Stevia rebaudiana* Bertoni).

Ms: The Stepping Stone Towards Safe And Quality Premium Fruits, Participants, 03/06/2014 - 04/06/2014, Hotel Palm Garden, Putrajaya

The Stepping Stone Towards Safe And Quality Premium Fruits, participant, 15/05/2014 - 15/05/2014, Hotel Palm Garden, Putrajaya

Program Syarahan Tuan Abdullah Hassan, participant, 22/05/2014 - 22/05/2014, Dewan Muhyidin, UMT

Bengkel Pemantapan Program Pengajian Umt, participant, 17/05/2014 - 17/05/2014, UMT

Seminar Kelestarian Penternakan Dan Keusahawanan Ayam Kampung, participant, 04/05/2014 - 04/05/2014, Dewan Muhyidin, UMT

Soil Science Conference Of Malaysia 2014, Poster Presenter, 08/04/2014 - 10/04/2014, Hotel Putra Palace, Kangar, Perlis, Plant water status of roselle grown on BRIS soil in relation to regulated deficit irrigation

Program Syarahan Profesor Adjung Program Sarjana Muda Sains Agroteknologi (Teknologi Lepastuai), participant, 03/03/2014 - 03/03/2014, PPSTM

Syarahan Bicara Tokoh Oleh Ketua Polis Negara, participant, 02/02/2014 - 02/02/2014, Dewan Muhyidin, UMT

Taklimat Penyelidikan : "Biocomposites" Oleh Dr. Gilles Auguste Sylvain, University Of South Brittany, participant, 03/02/2014 - 03/02/2014, PPSTM

Seminar Penulisan Proposal Geran Penyelidikan Dalam Bidang Pertanian 'Writing A Winning Grant Proposal', Participant, 22/12/2015 - 22/12/2015, PPSTM

Bengkel Aras Kognitif Soalan Dan Pengisian Jadual Spesifikasi Soalan Ppstm 2015, Participant, 01/12/2015 - 01/12/2015, PPSTM

Bengkel Panduan Pengiktirafan Bess, Participant, 09/11/2015 - 09/11/2015, UMT

Bengkel Amalan Terbaik Halal Dalam Industri Makanan, Ppstm, Participant, 16/10/2015 - 16/10/2015, Auditorium Mahyudin, UMT

Seminar Penulisan Dan Penerbitan Artikel Jurnal Dalam Bidang Sains Tanaman, Ppstm, Participant, 02/09/2015 - 02/09/2015, PPSTM, UMT

25th Malaysian Society Of Plant Physiology Conference, Social & Publicity Commitee Member, Poster Presenter, 18/08/2015 - 20/08/2015, Sunway Lost World of Tambun, Ipoh, Perak, Effect of plant growth regulators on postharvest quality of Banana (Musa sp AAA Beragan).

Siri Jelajah Bengkel Icgpa Siri li Ppstm Pada 16 Ogos 2015, Participant, 16/08/2015 - 16/08/2015, Dewan Seminar, Bilik Kuliah Pusat, UMT

Siri Jelajah Bengkel Icgpa Siri 1 Ppstm Pada 9 Ogos 2015, Participant, 09/08/2015 - 09/08/2015, Dewan Seminar, Bilik Kuliah Pusat, UMT

Bengkel Hala Tuju Pusat Pengajian Sains Dan Teknologi Makanan 2015, Participant, 13/07/2015 - 13/07/2015, PPSTM, UMT

Bengkel Pemantapan Pengajaran Dan Pembelajaran Ppstm, Participant, 11/05/2015 - 11/05/2015, PPSTM, UMT

Program Fellow Utama Adjung Oleh Datuk Abd. Shukor Abd. Rahman, Participant, 27/04/2015 - 27/04/2015, Auditorium Mahyudin, UMT

Soil Science Conference Of Malaysia 2015, Poster Presenter, 07/04/2015 - 07/04/2015, The Everly Hotel, Putrajaya

Biochar Malaysia Workshop 2015, Participant, 06/04/2015 - 06/04/2015, Fakulti Pertanian, UPM

PROFFESIONAL DEVELOPMENT

(Name of Training),(From)-(Until),(Place),(Sponsor).

INTERNSHIP SUPERVISION

(Student Name),(Organisation),(From)-(Until)

NusrAh, Prince Songkla University, 18/10/2011 - 27/10/2011

NUR SYUHAIBAH BT SALIM, Fakulti Pertanian, UPM, 04/08/2014 - 08/08/2014

UMMI UMAIMAH BT MAZLAN, Fakulti Pertanian, 04/08/2014 - 08/08/2014

NOR MAISARAH BT MOHAMMAD SHAARI, Fakluti Pertanian, UPM, 04/08/2014 - 08/08/2014

SURIATI BT YUSOF, Pusat Penyelidikan Hortikultur, MARDI Serdang, Selangor, 04/08/2014 - 08/08/2014

NURAFIQAH AQILAH BT HASNUL KUSHAIRI, Pusat Penyelidikan Hortikultur, MARDI Serdang, Selangor, 04/08/2014 - 08/08/2014

NURUL FERLINA IRIN BT MOHD NOOR AZMI, Pusat Penyelidikan Hortikultur, MARDI Serdang, Selangor, 04/08/2014 - 08/08/2014

HAZRI BIN HANAPY @ AZLAN, Pusat Penyelidikan Hortikultur, MARDI Serdang, Selangor, 04/08/2014 - 08/08/2014

NURUL NABIHAH BT MOHD NASIR, Pusat Penyelidikan Hortikultur, MARDI Serdang, Selangor, 04/08/2014 - 08/08/2014

SITI NUR FATIMAH BT OTHMAN, Pusat Penyelidikan Hortikultur, MARDI Serdang, Selangor, 04/08/2014 - 08/08/2014

Tuan Nur Aqilah Tuan Mohd Pauzi, MARDI Serdang, 23/06/2015 - 11/09/2015

Nurul Athirah Muhamad Noor, MARDI Serdang, 11/06/2015 - 23/09/2015

Nurul Nadia Samsuddin, MARDI Serdang, 11/06/2015 - 23/09/2015

Nurul Nasuha Syuhada Mohd Fakuridin, MARDI Serdang, 11/06/2015 - 23/09/2015

Mohd Saddam Zainudin, MARDI Serdang, 11/06/2015 - 23/09/2015

Nurnadia Hajeera Ismail, MARDI Serdang, 11/06/2015 - 23/09/2015

Pateemoh Mamah, Prince of Songhkla University, 06/07/2015 - 19/07/2015

Wanlaya Banrung, Prince of Songhkla University, 06/07/2015 - 19/07/2015

STUDENT ADVISORY

(Matric),(Student),(From)-(Until).

UK22335, Nor Farha Liyana Binti Yasin, 05/12/2011 - 22/06/2013

Uk22759, Nur Farhana Binti Ismail, 05/12/2011 - 22/06/2013

Uk23203, Naimah Binti Roppiee @ Shafiee, 05/12/2011 - 22/06/2013

Uk24167, Noor Ashikin Binti Shamsuddin, 05/12/2011 - 22/06/2013

Uk26354, Umami Umaimah Binti Mazlan, 06/09/2011 - 06/06/2014

Uk26648, Mohamad Hanafie Bin Kari, 06/09/2011 - 06/06/2014

Uk27298, Siti Zubaidah Binti Mohamad, 06/09/2011 - 06/06/2014

Uk24942, Roshidayu Binti Rumjan, 06/09/2011 - 06/06/2014

Uk25997, Siti Najwa Farhana Binti Mohamad, 06/09/2011 - 06/06/2014

Uk24454, Norhayati Binti Mohd Saleh, 06/09/2011 - 06/06/2014

Uk25560, Noor Zuliana Binti Mohd Zuki, 06/09/2011 - 06/06/2014

Uk25050, Jayavilasini A/P Kunasalan, 06/09/2011 - Present

UK27640, Mohammad Fadhil Bin Nordin, 08/09/2012 - Present

UK28325, Noosyafiza Binti Suhaimi, 08/09/2012 - Present

UK28335, Nor Rabiaharyati Ramli, 08/09/2012 - Present

UK28345, Nor Haslinda Binti Fauzi, 08/09/2012 - Present

UK28355, Fatin Husna Mansor, 08/09/2012 - Present

UK28365, Nurnadia Hajeera Binti Ismail, 08/09/2012 - Present

UK28375, Abdul Hanif Bin Abdul Karim, 08/09/2012 - Present

UK29921, Zaliha Binti A. Rahman, 08/09/2012 - Present

UK30582, Mohammad Nurazri Bin Mohd Aris, 02/09/2013 - Present

UK31385, Suhaila Binti Umar, 02/09/2013 - Present

UK31753, Nor Luqman Bin Nor Ali, 02/09/2013 - Present

UK31832, Siti Nur Syuhada Binti Tuan Halim, 02/09/2013 - Present

UK32264, Mohd Nazirul Mibin Bin Abdul Muin, 02/09/2013 - Present

UK32622, Wan Hazwani Aqilah Binti Wan Muhammad Zaini, 02/09/2013 - Present

UK32634, Nur Ezzati Binti Baharudin, 02/09/2013 - Present

UK33493, Anis Zafirah Yahaya, 08/09/2014 - Present

UK34079, Masyamasrik Aluwi, 08/09/2014 - Present

UK34378, Muhammad Hafizul Rahman Mohd Azizi, 08/09/2014 - Present

UK34462, Muhammad Safwan Hafiz Zaudin, 08/09/2014 - Present

UK34960, Nur Arina Safarin Omar, 08/09/2014 - Present

UK35393, Nurul Eisyah Syahirah Razali, 08/09/2014 - Present

UK35722, Siti Anis Amirah Mustaffa, 08/09/2014 - Present

OTHER CONTRIBUTIONS

(Activity),(Role),(From)-(Until),(Level).

7th International Postharvest Symposium, Technical Sub Committee, 11 March 2011 - 29 June 2012, National

Program USR Jabatan Agroteknologi, FASM, Publication Committee, 30 June 2011 - 30 June 2011, National

Postgraduate Seminar 2011 (FASM), Publication and Scientific Committee, 23 May 2011 - 25 May 2011, National

The 12th Symposium of the Malaysian Society of Applied Biology (MSAB), AJK Urusetia (Pendaftaran), 04 August 2011 - 03 March 2012, National

Program USR Penggalakan Sains dan Teknologi (Taman Mini Taman Makanan), AJK Penerbitan, 01 August 2011 - 24 October 2011, National

Lawatan ke Bee Farm Cameron Highland bersama Dekan, Participant, 20 October 2011 - 21 October 2011, National

Lawatan dan Perbincangan Bahan Penyelidikan Pelajar Tahun Akhir dan Kaloni Lebah Madu di Jabatan Pertanian Batu Pahat, Johor, Participant, 19 December 2011 - 20 December 2011, National

Program Fiesta Menuai, Participant, 17 September 2011 - 17 September 2011, National

Menyelia pelajar tahun 2 yang menjalani Latihan industri di Padjajaran, Indonesia. Fakultas Teknologi Industri Pertanian, Universitas Padjadjaran, Bandung, Indonesia, Penyelia, 25 June 2011 - 30 June 2011, National

Lawatan kerja ilmiah dan jaringan penyelidikan antara UMT dengan Kasetsart University Bangkok Thailand, Participant, 01 March 2011 - 03 March 2011, National

Temuduga bekas pelajar program Bac. Sc. Agroteknologi (Lepas Tuai) yang telah berjaya dalam mendapat pekerjaan, Penemuduga, 18 April 2011 - 20 April 2011, National

Mewakili Dekan ke Mesyuarat Induk Majlis Pelancaran Kelab My-Agrosis dan Perhimpunan Raksasa belia Siswazah tani MOA, Wakil, 12 October 2011 - 12 October

2011, National

UMT 11th International Annual Symposium on Sustainability Science and Management, AJK Saiintifik, 01 January 2012 - 11 July 2012, National

Bengkel Pengurusan dan Pengendalian Racun Makhluk Perosak, AJK Pelaksana Bengkel Racun, 09 December 2012 - 09 December 2012, National

Bengkel Isu Halal: Amalan Terbaik dalam Industri Makanan, AJK Pelaksana Bengkel Halal, 14 December 2012 - 15 December 2012, National

Program Sepagi Bersama pelajar Baharu Jabatan Agroteknologi, AJK PELaksana, 17 September 2012 - 17 September 2012, National

Penceramah: Penyelidikan dan Inovasi Rosel, AJK Program Discover UMT, 12 February 2012 - 12 February 2012, National

22nd scientific Conference of microscopy society (MSM2013), Treasury and Sponsorship committee, 26 November 2013 - 28 November 2013, National

Anugerah Malim Ilmu 2013, AJK Saringan Anugerah Malim Ilmu 20, 26 August 2013 - 26 August 2013, National

Penceramah Program Ceramah Promosi FASM, Penceramah, 22 August 2013 - 22 August 2013, National

Ceramah Promosi FASM, AJK Ceramah Promosi FASm, 09 July 2013 - 09 July 2013, National

Roselle Special Interest Group, ahli Utama SIG, 19 December 2010 - Present, National

Persatuan Biochar Malaysia, AJK, 06 December 2013 - Present, National

Persatuan Fisiologi Tanaman Malaysia, Ahli, 27 August 2013 - Present, National

Soil Science Conference of Malaysia 2014, Oral Judger, 08 April 2014 - 10 April 2014, National

Novel Research and Innovation Competition, Mentor, 19 August 2014 - 22 August 2014, National

Pre - Novel Research and Innovation Competition 2014, mentor/supervisor, 07 June 2014 - 07 June 2014, National

32nd Symposium of the Malaysian Society for Microbiology 2014, Head of Treasurer, 06 December 2014 - 08 December 2014, National

The 13th Symposium Malaysian Society of Applied biology 2014, Chairperson, 08 June 2014 - 10 June 2014, National

Lawatan Delegasi Fakultas Pertanian, Universitas Lampung, Indonesia, AJK, 30 October 2014 - 30 October 2014, National

Majlis Konvokesyen UMT 2014, AJK Gerai Pameran dan Jualan PPSTM, 27 November

2014 - 30 November 2014, National

Persatuan Biochar Malaysia, AJK, 07 February 2014 - Present, National

Mengasuh Penyelidik Muda, UMT, Mentor, 03 March 2015 - 02 January 2016,
National