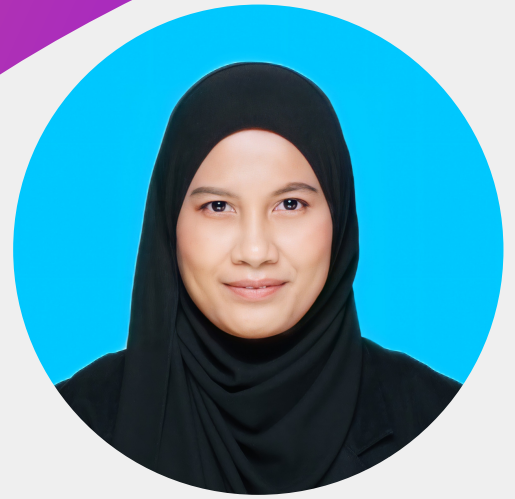


# NUR ADLIZA BAHAROM

RESEARCH OFFICER

PLANT PATHOLOGIST



## CONTACT INFORMATION

 HORTICULTURE RESEARCH  
CENTRE, MARDI HEADQUARTERS  
PERSIARAN MARDI-UPM

 nuradliza@mardi.gov.my

 LinkedIn: Nur Adliza Baharom

## EDUCATION BACKGROUND

Universiti Putra Malaysia

BSC. AGRICULTURE SCIENCE

## OTHER SKILLS

MICROSOFT  
SAS  
PCR  
MALDI-TOF

## SPECIALIZATIONS

- Epidemiology
- Plant Disease Management
- Biological Factor Management in Plant Factory  
(Microorganisms & Algae)

## WORK EXPERIENCE

### Research Officer

MARDI  
SEPT 2011 TO PRESENT

### Field of Experience : Plant Pathology

## HONOR & AWARDS

**MARDI'S PLANT PATHOLOGIST AWARD 2020**  
**EXCELLENCE SERVICE AWARD 2020**

**GOLD : BRITISH INVENTION SHOW 2018** : FORMULATED MULTI NUCLEAR  
POLYHEDROSIS VIRUS (FMNPV) FOR CONTROLLING CRUCIFER LEPIDOPTERAN  
PEST

**SILVER : INTERNATIONAL TRADE FAIR FOR IDEAS (IENA2018)**: CHILLI L5:  
ANTHRACNOSE TOLERANT HIGH YIELDING CHILLI VARIETY

**SILVER : INTERNATIONAL INVENTION, INNOVATION AND TECHNOLOGY  
EXHIBITION, MALAYSIA (ITEX 2018)**: MT3 : NEW IMPROVED LOWLAND TOMATO

**SILVER : MARDI SCIENCE AND TECHNOLOGY EXHIBITION 2017 (MSTE 2020)**

**BRONZE : MARDI SCIENCE AND TECHNOLOGY EXHIBITION 2017 (MSTE 2017)**

**GOLD - MARDI SCIENCE AND TECHNOLOGY EXHIBITION 2014 (MSTE 2014)**

**BRONZE : MALAYSIAN AGRICULTURE AND INNOVATION CHALLENGE 2014 (MAGIC  
2014)**

**YOUNG SCIENTIST AWARD (KNOWLEDGE)**. MARDI SCIENCE AND TECHNOLOGY  
EXHIBITION 2014 (MSTE 2014).

## COURSE & TRAINING

**9TH INTERNATIONAL WORKSHOP OF MICROBIAL TAXONOMY**

**INTERNATIONAL WORKSHOP ON BIOSOURCE CENTER :**

CONNECTING THE NATURE, CREATING THE FUTURE

16 OCTOBER- 12 NOVEMBER 2019, SOUTH KOREA

**MALDI TOF MASS SPECTROMETRY WORKSHOP** : A RELIABLE AND  
ROBUST METHOD FOR STRAINS IDENTIFICATION AND  
CHARACTERIZATION

19 - 21 MARCH 2020, THAILAND

**POWDER FORMULATION & DESIGN BIOPROCESS PLATFORM FOR  
BIOLOGICAL CONTROL USING MICROBIAL CELLS**

**CHROMATOGRAPHIC TECHNIQUES IN ISOLATION OF NATURAL  
COMPOUND FROM PLANTS**

**MANAGEMENT OF MICROBIAL CULTURE COLLECTION**

- Mohd Fazly, M., Mohammad Hariz, A.R., Mohammad Shahid, S. **Nur Adliza, B.** dan Mohd Ridzuan, D. (2021). Development and Performance of Pyrolyzer for Production of Biochar and Wood Vinegar from Domestic Agriculture Farm Waste. *Advances in Agricultural and Food Research Journal*, Vol 3. (In Press).
- **Nur Adliza B.**, Mohammad Hariz, A. R., Mohammad Shahid S. and Farah Huda S. S.(2021).Wood Vinegar and Its Usage in Urban Farming. *MARDI Technology Bulletin Plant Protecion Special Edition Vol 25 (2021)*. 21-29 (In Press). ISSN: 1823-271X. (In Malay)
- **Nur Adliza B.**, Farah Huda S.S, Mohammad Abid A., Siti Aisyah A., Rozeita, L. and Zulhazmi S. (2021). The Effect of LED on Microorganisms and Algae in Plant Factory. *MARDI Technology Bulletin Vol 24 (2021)*. 87 – 95. ISSN: 1823-271X. (In Malay)
- **Nur Adliza B.**, Farah Huda S.S, Mohammad Abid A., Siti Aisyah A., Rozeita, L. and Zulhazmi S. (2021).The Effects of Light Emitting Diode (LED) and UV Light on Algae and Microorganisms in MARDI's Plant Factory. *Abstrak Book of The 7th International Biotechnology Symposium*, pp 46.
- **Nur Adliza B.**, Mohammad Hariz, A. R., Mohammad Shahid S. and Farah Huda S. S. and Siti Nur Hafizah M. (2020). Chemical composition and antimicrobial activities of wood vinegars from carambola, coconut shells and mango against selected plant pathogenic microorganisms. *Malaysian Journal of Plant Pathology*, Vol 16(6) 2020, pp. 438-445 DOI: <http://dx.doi.org/10.21161/mjm.190652>
- Nor Hanis Aifaa, Y., Nurzam Ezdiani C.H@Z., **Nur Adliza, B.** Siti Aisyah ,A. and Siti Nur Raihan, A. (2020).Development And Evaluation Of Low-Density Polyethylene-Based Antimicrobial Food Packaging Films Containing Essential Oils For Jackfruit. *International Journal of Agriculture, Forestry and Plantation*, Vol. 10 (Sept), pg 79-83 ISSN 2462-1757
- **Nur Adliza, B.**, Mohammad Hariz, A.R., Mohammad Shahid, S., Farah Huda, S.S., Mohd Nazaruddin, A. dan Aishah Umairah, K. (2020). Wood Vinegars : From Waste to Ace. *Agromedia Vol 55 (2020) Biopesticide Special Edition*, pp:42-42. ISSN:1511-094X. (In Malay)
- **Nur Adliza B.**, Mohamad Roff M.N dan Farah Huda S.S. (2020). Diversity of Colletotrichum Species. *Agromedia Plant Protection Special Edition Vol 53*, pp 16-17. ISSN:1511 - 094x.
- **Nur Adliza, B.**, Farah Farhanah, H.,Hanim,A., Muhammad Aliff Fitri, A. and Norhasbulloh, A. (2020). Identification and Assessment of Major Diseases of Multi-species Flowering Annuals. *Trans. Malaysian Soc. Plant Physiol. Vol 27*, pp 111-115. eISSN 2600-9595
- Nur Liyana, I., Zurin Aida, J., Farahuda, S.S., **Nur Adliza, B** dan Aimi Athirah, A (2020). TrichoSHIELD: Biological control for anthracnose disease. *MARDI Technology Bulletin Vol 18*: 105 – 110
- Nur Liyana Iskandar, Theeba Manickam, Azlan Azizi Mohamad Nor, Mohamad Hafeifi Basir, Nurul Ammar Illani Jaafar, Rosli Abu, **Nur Adliza Baharom**, Farah Huda Sjfani Suherman, Siti Noor Aishikin Abdul Hamid, Dr Zaulia Othman, Aimi Athirah Ahmad dan Dr Wan Abdullah Wan Yusuf (2020). *Manual Teknologi Pengeluaran Cili Secara Organik (2020)*. MARDI.No ISBN 978-967-936-705-8.
- **Nur Adliza B.**, Farah Huda S.S, Mohammad Abid A., Siti Aisyah A., Mohamed Hafeifi B., Nur Syafini G., Zulaikha M., Siti Noor Aishikin A.H., Zulhazmi S. dan Farah Farhanah H. (2020). Biological Factor Management in Plant Factory with Artificial Lightings. *MARDI Technology Bulletin Vol. 19 (2020)*: 169 – 181
- **Nur Adliza B.**, Farah Huda S. S., Siti Noor Aishikin A. H., Nurin Izzati Z., Rozlaily Z. dan Hanim A. (2020). Pest and Disease Management of Orchids. *MARDI Technology Bulletin Vol. 20 (2020) Floriculture Special Edition*: 155 – 183.
- Farah Huda, S. S., **Nur Adliza, B.**, Siti Nur Hafizah, M. dan Siti Ilyani, A. (2020). Screening of entomopathogenic fungi as a biological control agent of whitefly, Bemisia tabaci on chilli plants. *Abstract Book Buku MARDI Plant Protection Collaqium*, p50.Mohd Nazri Baharon, Nur Saliha Abdullah @ Zulkifli, **Nur Adliza Baharom** and Sauli Mat Yunus. (2019). Antifungal activity of selected plant extracts against Curvularia sp. infecting local purple sweet potato (Ipomoea batatas). *Malaysian Journal of Microbiology*, Vol 15(4) Special Issue 2019, pp. 342-345 DOI: <http://dx.doi.org/10.21161/mjm.191541>
- **Nur Adliza, B.**, Mohamad Roff M.N., Farah Huda S.S. , Mohd Nazaruddin A. dan Suhana Y. (2020). Management of Bacterial Dieback Disease of Papaya Through Supplementation of Cu, B and Mn. *MARDI Plant Protection Collaqium 2020, 25-26 Ogos 2020*, Dewan Tan Sri Yusof Hashim, MARDI Serdang, Selangor. pp 51.
- **Nur Adliza B.**, Mohammad Hariz A. R., Mohammad Shahid S., Farah Huda S. S. , Masnira M.Y, Aishah Umairah, K., Rozlaily, Z. and Zulhazmi, S. (2020). Wood Vinegar: Potent Antimicrobial Solutions For Management of Plant Pathogenic Microorganisms. *MARDI Innovation Day Book 2020*, pp 88.
- Rahayu, A., Aminah, M., **Nur Adliza, B.**, Farah Huda, S. S., Rozlaily, Z., and Mohamad Syawali, H. (2020). Interspecific grafting of tomato (S. lycopersicum) onto eggplants (S. torvum and S. melongena). *Poster MARDI Science and Technology Exhibition (MSTE), November 2020*.
- **Nur Adliza,B.**, Muhammad Hariz, A.R., Muhammad Shahid, S., Farah Huda, S.H., and Mohd Nazaruddin, A. (2019). Antimicrobial effect of three wood vinegars against plant pathogenic fungi and its chemical composition. Paper presented at Southeast Asia Vegetable Symposium 2019 (SEAVEG 2019), 9-11 July 2019. Hatten Hotel, Melaka. pp 127
- **Nur Adliza, B.**, Farahzety, A.M., Muhammad Abid,A., Zulhazmi, S., Muhammad Azizi, M.H. and Mohd Isa,D.(2019). Evaluation of disease free growing media for cultivation in plant factory. Paper presented at Southeast Asia Vegetable Symposium 2019 (SEAVEG 2019), 9-11 July 2019. Hatten Hotel, Melaka. pp 128
- **Nur Adliza, B.**, Farah Huda, S.H., Siti Noor Aishikin, A.H., Zulaikha, M., Siti Aisyah, A., Muhammad Abid,A., Zulhazmi, S., Norhasbulloh, A. and Muhammad Azizi, M.H. (2019). MARDI's Experience: Biological Factor Management in Plant Factory. ISSN:1551-094x. *Agromedia Vol.50*, pp 128-129.
- Mohd Nazri, B., Nur Saliha, A.@ Z., **Nur Adliza B.** and Sauli M.Y. (2019) Antifungal activity of selected plant extracts against Curvularia sp. infecting local purple sweet potato (Ipomoea batatas). *Malaysian Journal of Microbiology*, Vol 15(4) Special Issue 2019, pp. 342-345 DOI: <http://dx.doi.org/10.21161/mjm.191541>.

## REFERENCE

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EMAIL : JOHARIS@MARDI.GOV.MY

- **Nur Adliza, B.**, Farah Zaidat M.N., Wan Rozita, W.E., Farah Huda S.H., Rozlaily, Z. and Maizatul Ilyana, R. (2018). Isolation and Identification of The Causative Pathogen of Buds Rot Dendrobium. Transaction of The Malaysian Society of Plant Physiology. 25:217-219. eISSN 2600-9595.
- Mohamad Roff, M.N., Badrulhadza, A., Ganisan, K., Norliza, T and **Nur Adliza, B.** (2018.) Tropical Fruit Pests and Its Menagement Options in Malaysia. Paper presented at Tropical Fruits Pests and Its Management Options in Malaysia. International Conference on Tropical Fruits Pests and Diseases (TROPED2018). 25-27 September 2018. Kota Kinabalu, Sabah. <http://itfnet.org/troped2018/abstracts/K2.pdf>
- **Nur Adliza, B.**, Mohammad Roff, M.N. and Maizatul Ilyana, R. (2018). The effects of disease severity of anthracnose fruit rot disease on chilli after supplementation of Copper, Boron and Manganese. Proceedings of the Southeast Asia Vegetable Symposium on Vegetable for Improved Nutrition and Livelihood in Southeast Asia (SEAVEG 2016), September 06-08, 2016, Kuala Lumpur, Malaysia. Malaysian Agricultural Research and Development Institute (MARDI), Kuala Lumpur, Malaysia. ISBN 978-967-936-656-3. pp 400-412
- **Nur Adliza, B.**, Farah Huda, S.H. dan Mohd Nazarudin, A. (2018). Supplementation of selected micronutrients as alternative approach in managing papaya dieback disease. MARDI Technology Bulletin Vol 14 : 105-113
- **Nur Adliza, B.**, Farah Huda, S.S., Farahzety A.M., Rozlaily, Z., Haireen Razean M.R., Mohd Nazaruddin, A. dan Mohd Hanifah Y.I. (2018). Discover The Diseases of Lowland Cabbage. Agromedia (Vol 48; pp 6 9-71)
- **Nur Adliza, B.**, Nur Sulastri, J., Farah Huda, S.H. and Mohd Shukri, M.A. (2018) In vitro evaluation of fungicides against Colletotrichum gleosporoides, the causal pathogen of anthracnose disease on Lepsianthes fruticosa.. Paper presented at International Conference on Tropical Fruit Pests and Disease. 25-27 September. Le Meridien, Kota Kinabalu Sabah.
- **Nur Adliza, B.**, Farah Zaidat M.N., Farah Huda S.H. , Mohd Nazarudin, A, Wan Rozita, W.E., Rozlaily, Z. , Najah, Y. , Norhasbulloh, A. , Mohd Isa D. (2018). Potential control of Fusarium fujikuroi, The Causal Pathogen of Buds Rot Dendrobium using Trichoderma asperellum. Paper presented at The 15th Symposium of Malaysian Society of Applied Biology. 29 Jun-1 July 2018. Hatten Hotel, Melaka. pp 107
- Suhana, O., **Nur Adliza, B.**, Norfadzilah, A.F., Farah Huda, S.S., Rozlaily, Z., Nur Izalin, M. Z., Zaulia, O., Farahzety, A. M., Nur Syafini, G., Juliana, Y., Mohd Zamri, K., Salmiah, M. and Mohd Isa, D. (2018). CHILLI L5: Anthracnose Tolerant High Yielding Chilli Variety. Poster presented at iENA 2018, 01-04 November 2018, Nuremberg Exhibition Centre, Germany.
- Nor Hazlina, M.S., Rozlaily, Z., Sharizan, A., Nur Syafini, G., Rahayu, A., **Nur Adliza, B.**, Farahuda, S., Zaulia, O., Sebrina Shahniza, S., Selmiah, M., Nur Izalin, M.Z., Siah, W.M. (2018). MT3 - New Improved Lowland Tomato. Poster presented at 29th International Invention, Innovation and Technology Exhibition, Malaysia (ITEX 2018). 10-12 May 2018. Kuala Lumpur Convention Centre (KLCC).
- **Nur Adliza, B.**, Muhammad Hariz, A.R. and Farah Huda, S.H., Muhammad Shahid, H., Mohd Nazaruddin, A. and Farahzety, A.M. (2017). Antifungal effect of three wood vinegars againts plants pathogenic fungi. Paper presented at International Congress of The Malaysian Society For Microbiology 2017. 4-7 Disember 2017. Hotel Bangi-Putrajaya. pp 54.
- Nur Adliza, B. ,Farah Huda S.H., Farah Zaidat M.N., Wan Rozita, W.E., Rozlaily, Z. ,Maizatul Ilyana, R., Najah, Y., Norhasbulloh, A, and Nur Syahirah F. (2017). Fusarium fujikuroi: New Discovery of Pathogen Attacking Flower Buds of Dendrobium Orkid. MARDI Science and Technology Exhibition 2017 (MSTE2017), 18-19 September 2017, Dewan D MAEPS, Serdang Selangor.
- **Nur Adliza, B.**, Mohammad Roff, M.N. and Maizatul Ilyana, R. (2016) The effects of disease severity of anthracnose fruit rot disease on chilli after supplementation of Copper, Boron and Manganese. Southeast Asia Vegetable Symposium 2016 (SEAVEG 2016), 6-8 September 2016, Putrajaya Marriot Hotel, Malaysia.
- Nur Adliza, B., and Farah Huda, S.S (2015). Effect of different mediums on morphology and growth of *Metharhizium anisopliae*. Paper presented at International Congress of The Malaysian Society of Microbiology, 7-10 December 2015, Penang, Malaysia.