

IZUDDIN ABDUL RAHMAN

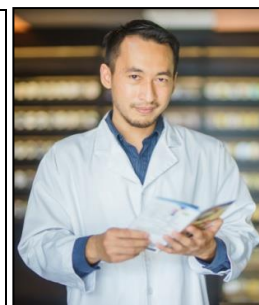
Malaysian Agricultural Research and Development Institute (MARDI)

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POSITION: RESEARCH OFFICER

SPECIALIZATIONS: BIOTECHNOLOGY, ENZYME, MICROBIOLOGY,
FERMENTATION, PROTEOMICS



ACADEMIC QUALIFICATIONS

2010-2012	Universiti Putra Malaysia, Malaysia Master of Science (Industrial Biotechnology) Scholarships: UPM Fellowship, MyBrain15
2004-2008	University of California, Davis, USA Bachelor of Science (Biotechnology: Microbiology) Scholarships: Malaysian Government Scholarship (JPA), Jastro Scholarship

CONFERENCES AND SEMINARS

Year	Conferences and Seminars
2021	National Food Technology Seminar, MARDI, Serdang, Malaysia
2019	6 th International Biotechnology Symposium, Kota Kinabalu, Sabah, Malaysia
2018	Symposium of the Malaysian Society for Microbiology (MSM), Penang, Malaysia
2018	International Conference on Beneficial Microbes (ICOBM), Kuching, Sarawak, Malaysia
2018	ASEAN Network on Microbial Utilization, Bangkok, Thailand
2017	Technology Update on Enzyme & Biocatalysis Engineering Seminar, Pathum Thani, Thailand
2017	International Conference on Recent Trends in Biotechnology and Biodiversity Conservation for Sustainable Development, Kota Kinabalu, Sabah, Malaysia
2017	BioMalaysia Conference, Kuala Lumpur, Malaysia
2017	Coconut Industry Consultative Forum & Expo, Selangor, Malaysia
2016	International Conference on Biotechnology for the Wellness Industry (ICBWI), Melaka, Malaysia
2016	National Coconut Industry Seminar, Selangor, Malaysia
2016	Bioeconomy: Advancing Malaysian Biobased Industry Seminar, Selangor, Malaysia
2015	Symposium of the Malaysian Society for Microbiology (MSM), Penang, Malaysia
2015	NanoMalaysia Jumpstart Seminar Series: Food and Agriculture, Selangor, Malaysia
2015	BioInnovation Seminar, Kuala Lumpur, Malaysia
2015	ThermoFisher: Food Safety Seminar, Selangor, Malaysia

AWARDS, RECOGNITIONS AND APPOINTMENTS

Year	Awards, Recognitions, and Appointments	Achievements
2019	MARDI Science and Technology Exhibition (MSTE)	Silver award
2019	Malaysian Toray Science Foundation Research Grant	Recipient
2019	Enzyme and Fermentation Programme Team Building	Committee member
2018	Human Development Fellowship Program (Bangkok, Thailand)	Recipient
2016	MARDI Science and Technology Exhibition (MSTE)	Bronze award
2015	International Congress of the Malaysian Society for Microbiology (ICMSM)	Committee member
2014	BioMalaysia Conference	Committee member
2013	Designs, Research, and Innovation Exhibition (UPM)	Gold award

2012	Oil and Fats International (AFI)	Committee member
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WORKSHOP PARTICIPATIONS

Year	Workshops and Trainings
2019	Liquid Chromatography Mass Spectrometry (LCMS) Workshop
2019	Chemometrics Workshop
2019	Gas Chromatography Mass Spectrometry (GCMS) Workshop
2019	Solvent-free Microwave Extraction Workshop
2018	Identification of Microbial Strains Using MALDI-TOF (Bruker) Workshop
2017	Scientific Writing Workshop
2015	Response Surface Methodology (RSM) Workshop
2014	EU Horizon 2020 Workshop
2010	SPSS Statistics Workshop

PUBLICATIONS

Year	Articles, Proceedings, and Book Chapters
2021	Izuddin Abdul Rahman , Mohd Izwan Mohd Lazim, Suhaiza Mohamad, Koh Soo Peng, and Mohd Azzammil Mohd Asri The storage study of fermented mature coconut water beverage National Food Technology Seminar, MARDI, Serdang, Malaysia
2019	Mohd Izwan Mohd Lazim and Izuddin Abdul Rahman Lactic acid bacteria: Enhancement of coconut water benefiting effects Scientia MARDI April 2019 Vol 013
2019	Izuddin Abdul Rahman , Mohd Izwan Mohd Lazim, Suhaiza Mohamad, Koh Soo Peng, Muhammad Anas Othaman, MUSAALBAKRI ABDUL MANAN, and Mohd Azzammil Mohd Asri The effects of selected lactic acid bacteria fermentation on the bioactivity of mature coconut water 6 th International Biotechnology Symposium 2019, 10-11 July 2019, Kota Kinabalu
2019	Mohd Izwan Mohd Lazim, Suhaiza Mohamad, Izuddin Abdul Rahman , Koh Soo Peng, MUSAALBAKRI ABDUL MANAN and Mohd Azzammil Mohd Asri. Optimisation of fermentation parameters through response surface methodology Abstract Book, MARDI Science and Technology Exhibition (MSTE). 29-30 October 2019
2018	Izuddin Abdul Rahman , MUSAALBAKRI ABDUL MANAN, Amsal Abd. Ghani, Nur Yuhasliza Abd. Rashid, Ainur Zunira Mohd Saad, Juma'at Jonit, and Azmi Azali, Zul Helmey Mohamad Sabdin, Mohd Norfaizal Ghazali, Hadijah Hassan, Mohd Shukri Mat Ali. Potential of Kuini (<i>Mangifera odorata</i>) and its ethanolic fermentation Symposium of the Malaysian Society for Microbiology (MSM)
2018	Izuddin Abdul Rahman , Mohd Izwan Mohd Lazim, Suhaiza Mohamad, Koh Soo Peng, Muhammad Anas Othaman, MUSAALBAKRI ABDUL MANAN, and Mohd Azzammil Mohd Asri, 2018, The Influence of <i>Lactobacilli</i> in GABA and Amino Acid Profile of Fermented Mature Coconut Water , The Open Food Science Journal, 10(1):8-15
2018	Izuddin Abdul Rahman , Mohd Izwan Mohd Lazim, Suhaiza Mohamad, Koh Soo Peng, Muhammad Anas Othaman, MUSAALBAKRI ABDUL MANAN, and Mohd Azzammil Mohd Asri. The effects of glucose and mix culture fermentation of mature coconut water using selected lactic acid bacteria. International Conference on Beneficial Microbes (ICOBM)
2017	Izuddin Abdul Rahman , Mohd Izwan Mohd Lazim, Suhaiza Mohamad, Koh Soo Peng, Muhammad Anas Othaman, MUSAALBAKRI ABDUL MANAN and Mohd Azzammil Mohd Asri. Gamma-aminobutyric acid (GABA) enhancement of mature coconut water using selected lactic acid bacteria. International Conference on Recent Trends in Biotechnology and Biodiversity Conservation for Sustainable Development (BIOTECH)

2016	Izuddin Abdul Rahman , Raja Noor Zaliha Raja Abdul Rahman, Abu Bakar Salleh, Mahiran Basri. Enhanced Biocatalytic Esterification and Stability of T1 Lipase Immobilized with Gum Arabic and Maltodextrin. Abstract Book, MARDI Science and Technology Exhibition (MSTE). 11-13 October 2016
2013	Izuddin Abdul Rahman , Raja Noor Zaliha Raja Abdul Rahman, Abu Bakar Salleh, Mahiran Basri. 2013. Formulation and Evaluation of an Automatic Dishwashing Detergent Containing T1 Lipase. Journal of Surfactants and Detergents.16(3):427-434
2012	Izuddin Abdul Rahman , Raja Noor Zaliha Raja Abdul Rahman, Abu Bakar Salleh, Mahiran Basri. Detergent Formulation for Dishwashing Machine. Patent Application No: PI 2012700251. Filing date: 02/05/2012

RESEARCH PROJECTS

Year	Research Projects
2019-2020	❖ Identification of peptides using proteomic analysis
2016-2019	<ul style="list-style-type: none"> ❖ Bioprospecting of microbes from MARDI culture collection using HPLC ❖ Identification of microbes using MALDI-TOF ❖ Fermentation of mature coconut water for the production of GABA and bioactive compounds ❖ Fermentation of kuini for the development of beverage containing acetic acid ❖ Anti-microbial compounds from papaya leaf
2014-2015	<ul style="list-style-type: none"> ❖ Production of fermented milk products containing probiotics and bioactive compounds ❖ Production of methyl esters using PFAD as feedstock