

# ADZZIE SHAZLEEN BINTI AZMAN

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I completed my **doctoral study in the field of Microbiology** sponsored by Monash University Malaysia, and hold an Honours Degree of Bachelor of Science (Biotechnology) and a bachelor's **Degree in Science (Biotechnology)** sponsored by The Majlis Amanah Rakyat (MARA). Currently, I am a lecturer in Microbiology at School of Science, Monash University Malaysia.

Achievement:

- A **principal investigator** and **co-researcher** for different research and community projects
  - **Trainer, facilitator** and **speaker** for Biorisk Management Training Program and community engagements
  - **Team leader** for field work, clinical trial, workshop, seminar and exhibition
  - **Supervise** and **train** postgraduate, undergraduate, research assistant and internship students
  - **Conduct** research projects related to bacteriology, natural products, infectious diseases and zoonotic diseases
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## EDUCATION

<b>Monash University, Malaysia</b> Ph.D. in Microbiology Dissertation: Discovery of novel rare Actinobacteria isolated from mangrove environment in the East Coast of Peninsular Malaysia.	<b>2012 – 2016</b>
<b>Monash University, Malaysia</b> Honours Degree of Bachelor of Science (Biotechnology) Thesis: Detection of genomic instability during somatic embryogenesis of oil palm.	<b>2010 – 2011</b>
<b>Monash University, Malaysia</b> Bachelor of Science (Biotechnology)	<b>2007 – 2010</b>
<b>Sunway College, Malaysia</b> Monash University Foundation Year (MUFY)	<b>2006 – 2007</b>

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## GRANTS

<b>The Malaysian Society of Parasitology and Tropical Medicine (MSPTM)</b> <b>MSPTM Community Fund 2019 (Co-researcher)</b> <b>Project:</b> Awareness program among the Philippines' domestic workers in Kuala Lumpur: Knowledge, prevention and control of common infectious diseases	<b>2020 – 2021</b>
<b>Universiti Malaya</b> <b>UMCares Grant 2019 (Co-researcher)</b> <b>Project:</b> One Health for Underserved Orang Asli Community	<b>2019 – 2021</b>
<b>Ministry of Education</b> <b>Fundamental Research Grant Scheme (FRGS) (Member)</b> <b>Project:</b> Metagenomics Analysis of Positive Leptospirosis Rat's Kidney and Spleen as New Fundamental Approach to Characterize Pathogenic and Non-Pathogenic Microbial Communities	<b>2019 – 2021</b>

<b>Yayasan Pahang</b> <b>Research Grant (Principal Investigator)</b> <b>Project:</b> Soil microorganism from forest ecosystem and their potential anti-infective activities	<b>2018 – 2020</b>
<b>Universiti Malaya</b> <b>Research University Grant (Principal Investigator)</b> <b>Project:</b> Impact of land use change on soil bacterial community in Pahang	<b>2017 – 2018</b>

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## AWARDS

<b>Monash University Malaysia</b> Jeffrey Cheah School of Medicine and Health Sciences Graduate Research Merit Scholarship	<b>2012 – 2016</b>
<b>The Majlis Amanah Rakyat (MARA)</b> Excellent Award Scholarship	<b>2007 – 2010</b>
<b>The Majlis Amanah Rakyat (MARA)</b> Excellent Award Scholarship	<b>2006 – 2007</b>
<b>Yayasan Sarawak</b> Excellence award for Sijil Pelajaran Malaysia (SPM) 2004	<b>2005</b>
<b>Yayasan Sarawak</b> Excellent Award for Penilaian Menengah Rendah (PMR) 2002	<b>2003</b>

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## EXPERIENCE

<b>School of Science, Monash University Malaysia</b> Lecture in Microbiology Teaching Permit: PM/IPTS/2020/06/1665	<b>August 2020 - Present</b>
<b>School of Science, Monash University Malaysia</b> Teaching Associate Subject: Blueprints for Life, Fundamental of Microbiology Teaching Permit: PM/IPTS/2020/06/1665	<b>March 2020 – June 2020</b>
<b>Tropical Infectious Diseases Research &amp; Education Centre, Universiti Malaya</b> Postdoctoral Research Fellow	<b>2017 – 2020</b>
<b>School of Science, Monash University Malaysia</b> Laboratory Demonstrator and Tutor Subjects: Medical Cell Biology, Foundation of Genetics, Fundamental of Biotechnology, Molecular Biology and Biotechnology, Genomics and Its Application Teaching Permit: PM/US/2014/03/0710	<b>2015 – 2016</b>
<b>School of Pharmacy, Monash University Malaysia</b> Laboratory Demonstrator Subject: Microbiology and Immunology Teaching Permit: PM/US/2014/03/0710	<b>2013 – 2015</b>
<b>Jeffrey Cheah School of Medicine and Health Sciences, Monash University Malaysia</b> Senior Technical Officer	<b>2011 – 2012</b>

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## PUBLICATIONS

**Azman AS**, Mawang CI, Khairat JE, Abubakar S. (2019) Actinobacteria – a promising natural source of anti-biofilm agents. *International Microbiology*. 22(4), 403-409.

Loong SK, Lee HY, Khoo JJ, Lim FS, Ahmad Nasrah SN, **Azman AS**, Sunthralingam C, Panchadcharam C, AbuBakar S. (2019) Microbiological analysis of raw milk unveiled the presence of a dairy contaminant, *Corynebacterium lipophiloflavum*. *Journal of Applied Biology and Biotechnology*. 7(5), 41-44.

**Azman AS**, Mawang CI, Abu Bakar S. (2018) Bacterial pigments: the bioactivities and as an alternative for therapeutic applications. *Natural Product Communication*. 13(12), 1747-1754.

Prakash BK, Low VL, Tan TK, Vinnie-Siow WY, Lim YAL, Morvarid AR, **Azman AS**, Yeong YS, AbuBakar S, Azirun MS. (2018) Detection of *Hepatozoon canis* in the brown dog tick and domestic dogs in Peninsular Malaysia. *Journal of Medical Entomology*. 55(5), 1346-1348.

**Azman AS**, Iekhsan O, Kok-Gan C, Bey-Hing G, Learn-Han L. (2017) Antibacterial, neuroprotective and anticancer activities of rare actinobacteria from mangrove forest soils, *Indian Journal of Microbiology*. 57(2), 177-187.

**Azman AS**, Zainal N, Ab. Mutalib NS, Yin WF, Chan KG, Lee LH. (2016) *Monashia flava* gen. nov., sp. nov., a novel actinobacterium of the family Intrasporangiaceae. *International Journal of Systematic and Evolutionary Microbiology*. 66(2), 554-561.

**Azman AS**, Othman I, S. Velu S, Chan KG, Lee LH. (2015) Mangrove rare actinobacteria: taxonomy, natural compound and discovery of bioactivity. *Frontier in Microbiology*. 20(6), 856.

Lee LH, **Azman AS**, Zainal N, Yin WF, Ab. Mutalib NS, Chan KG. (2015) *Sinomonas humi* sp. nov., an amyolytic actinobacterium isolated from mangrove forest soil. *International Journal of Systematic and Evolutionary Microbiology*. 65, 996-1002.

Lee LH, Zainal N, **Azman AS**, Eng SK, Goh BH, Yin WF, Ab. Mutalib NS, Chan KG. (2014) Diversity and antimicrobial activities of actinobacteria isolated from tropical mangrove sediments in Malaysia. *Scientific World Journal*. 2014, ID 698178, doi: 10.1155/2014/698178

Lee LH, Zainal N, **Azman AS**, Eng SK, Ab. Mutalib NS, Yin WF, Chan KG. (2014) *Streptomyces pluripotens* sp. nov., a bacteriocin-producing streptomycete that inhibits methicillin-resistant *Staphylococcus aureus*. *International Journal of Systematic and Evolutionary Microbiology*. 64(9), 3297-3306.

Lee LH, **Azman AS**, Zainal N, Eng SK, Ab. Mutalib NS, Yin WF, Chan KG. (2014) *Microbacterium mangrovi* sp. nov., an amyolytic actinobacterium isolated from mangrove forest soil *International Journal of Systematic and Evolutionary Microbiology*. 64(10), 3513-3519.

Lee LH, Zainal N, **Azman AS**, Ab. Mutalib NS, Hong K, Chan KG. (2014) *Mumia flava* gen. nov., sp. nov., an actinobacterium of the family Nocardioideae. *International Journal of Systematic and Evolutionary Microbiology*. 64(5), 1461-1467.

Lee LH, **Azman AS**, Zainal N, Eng SK, Fang CM, Hong K, Chan KG. (2014) *Novosphingobium malaysiense* sp. nov., isolated from mangrove sediments. *International Journal of Systematic and Evolutionary Microbiology*. 64(4), 1194-1201.

**Azman AS**, Mhiri C, Grandbastien MA, Tam SM. (2014) Transposable elements and the detection of somaclonal variation in plant tissue culture: a review. *Malaysian Applied Biology*. 43(1), 1-12.