AMIRAH ALIAS

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QUALIFICATIONS

- Doctor of Philosophy (Environmental Microbiology), The University of Tokyo, Japan
- Master of Science (Plant Science), University of Glasgow, UK
- Bachelor of Science (Biotechnology, Minor in Chemistry), Indiana University, Bloomington, USA

FIELD OF RESEARCH

- Bacterial-assisted remediation
- Environmental Microbiology

RESEARCH INTEREST

My current research interest is to study the interaction between microorganisms and the environment when dealing with external stimuli such as heavy use of pesticides and environmental pollutants. Characterization of bacteria potentially be used in bioremediation efforts is also another research area of interest.

RESEARCH INTEREST PROFFESIONAL MEMBERSHIP

- Member of Malaysian Soil Science Society

GRANTS

Project	:	Methods of Removing Alcohol Content in Water Kefir For Broader Consumption Of Functional Food
Position	:	Project leader
Grant Name	:	Geran Penyelidikan Akademik, UMT
Status	:	Active
Amount	:	RM10,000

Project	:	Identification of natural compounds from *Passiflora foetida* and its potential to human mental wellbeing
Position	:	Co-researcher
Grant Name	:	Delightex Pte Ltd (Foreign company)
Status	:	Active
Amount	:	RM190,000

AWARDS

- IUB Founders Scholar in Spring 2012 for GPA 3.8 and above
- Recipient of Public Service Department of Malaysian Government Scholarship (2009-2012).

PUBLICATIONS

Journal Article

1. Mpofu, E.,* **Alias, A**.,* Tomita, K., Suzuki-Minakuchi, C., Tomita, K., Chakraborty, J., Malon, M., Ogura, Y., Takikawa, H., Okada, K., Kimura, T., Nojiri, H. (2021) Azoxystrobin amine: A novel azoxystrobin degradation product from Bacillus licheniformis strain TAB7. Chemosphere 273: 129663 https://doi.org/10.1016/j.chemosphere.2021.129663 **Q1, IF: 5.8** (*These authors contributed equally and considered as main author)

Conference Publication

1. **Alias, A.,** Mpofu, E., Tomita, K., Suzuki-Minakuchi, C., Tomita, K., Chakraborty, J., Malon, M., Ogura, Y., Takikawa, H., Okada, K., Kimura, T., Nojiri, H. Azoxystrobin transformation by Bacillus licheniformis strain TAB7 produces azoxystrobin amine as novel metabolite. 2020 Annual Meeting of the Japan Society for Bioscience, Biotechnology and Agrochemistry, 25-28 March Fukuoka, Japan. Oral presentation.

2. **Alias, A**., Mat Ripen, A. and Abdullah, NR. Preliminary Study On The Use Of Flow Cytometry For Investigating Immunomodulatory Activities Of Carica Papaya Leaves Juice (Freeze Dried Preparation). 11th MOH-AMM Scientific Meeting (Incorporating the 18th NIH Scientific and Annual National Ethics Seminar), Kuala Lumpur. 12-14 August 2015. Poster presentation.

Other Outputs

[Thesis, manuscript, books, reports, etc.]

1. Amirah Alias. 2020. Characterization of bacterial degradation systems for cyclodiene and strobirulin pesticides. Doctorate Dissertation. The University of Tokyo, Japan.

2. Alias, A and Jenkins, G (2013). Molecular chaperones and GIGANTEA in expressing Arabidopsis thaliana UVB photoreceptor, UVR8 in Escherichia coli. University of Glasgow, UK
3. Alias, A and Blatt, M (2013). Arabidopsis thaliana Shaker α-subunits KC1, SNARE SYP121 site mutants and SYP121-SYP122 chimera in regulating stomatal apertures. University of Glasgow, UK
4. Alias, A and Mohd Yusoff, M.J (2011). Identification and characterization of microorganisms found in Budu (Fish Sauce) in Malaysia. Indiana University, Bloomington, USA.

LINKS

- SCOPUS
- WoS
- Researchgate
- Academia.edu
- LinkedIn: https://www.linkedin.com/in/amirah-alias-67b5a741/?originalSubdomain=my
- LiveDNA
- ORCID
- Google Scholar
- Facebook