



PhD Supervisor



UTM
UNIVERSITI TEKNOLOGI MALAYSIA



Dr. Shamila binti Azman
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Language(s): English, Malay

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Potential areas for PhD supervision:

- Environment Microplastics
- Seagrass monitoring
- Ecotoxicology

Supervising experience:

- 15 PhD students
- 40 MSc students

Employment history in last 5 years:

2018 – Current Director, Department of Water and Environmental Engineering, Universiti Teknologi Malaysia

Membership of professional association:

- ~ Member, International Water Association, No 1609322
- ~ Member, Malaysian Analytical Chemist Society, No P140
- ~ Member, World Seagrass Association

Education – since bachelor degree:

- ~ PhD in Environmental Chemistry
2008, Universiti Teknologi Malaysia
- ~ M. Sc. in Analytical Chemistry, 2019, Universiti Teknologi Malaysia.
- ~ B. Sc. Industrial Chemistry, 1997, Universiti Teknologi Malaysia.

Selected recent papers:

1. Sarijan, S., **Azman, S.**, Said, M. I. M, and Jamal, M.H. (2021). Microplastics in Freshwater Ecosystems: A Recent Review of Occurrence, Analysis, Potential Impacts, and Research Needs. Environmental Science and Pollution Research 28, Pp: 1341-1356.
2. Sarijan, S., **Azman, S.**, Lee, M.H. and Said, M. I. M. (2021). Poisson Regression Model to Determine Factors of Microplastics Ingestion by African catfish. Malaysian Journal of Mathematical Science. 15 (1). Pp: 137-146.
3. Sarijan, S., **Azman, S.**, Said, M. I. M., Andu, Y., Zon, NF. (2021). Microplastics Occurrence in the commercial Southeast Asian Seafood and Its Impact on Food Safety and Security: A Review. IOP Conference Series: Earth and Environmental Science. 756 (1), 012008.



Co-funded by the
Erasmus+ Programme
of the European Union

MARE – Marine Coastal and Delta Sustainability for Southeast Asia



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4. Zon, N., **Azman, S.**, Abdullah, N. H., and Supian, N. S. (2020). Kinetics and Isotherm of Cadmium Adsorption onto Polyethylene Microbeads in Artificial Seawater. IOP Conference Series: Earth Environment Science. 476 (1). Pp: 1-8.
5. Arian, D. W., Azmi, A., Salim, M. R., Azman, S., and Said, M. I. M. (2020). Artificial Intelligence Approach to predicting River Water Quality: A Review. Environmental Treatment Technology. 8(3). Pp: 1093-1100.
6. Arof, M. K. Z., Ismail, S., Subramaniam, C., **Azman, S.**, Rani, WM. W. N. M. and Zolkepli, M. F. (2020). Critical Strategies for Construction Players in the Adoption of Biophilic City Concept in Malaysia, Planning Malaysia: Journal of the Malaysian Institute Planners. 18 (1). Pp: 181-192.
7. Arof, M. K. Z., Ismail, S., najib, N. H., Subramaniam, C., **Azman, S.**, Saleh, A. L. and Ahmad, H. (2020). Critical Causal Factors of Failure (CCFF) in Adopting a Biophilic City Concept in Malaysia. Journal of Critical Reviews. 7(5). Pp:87-91.
8. Saijan, S., **Azman, S.**, Said, M. I. M., and Lee, M. H. (2019). Ingestion of Microplastics by Commercial Fish in Skudai River, Malaysia. Environment Asia. 12 (3). Pp: 75-84.
9. Baloo, L., **Azman, S.**, Mohd Said, M. I. and Mawi, S. (2019). Inorganic Carbon Acquisition by Gracilaria edulis and Its Effect on Growth. Environmental Engineering and Management Journal. 18(2). Pp: 283-289.
10. Sarijan, S., **Azman, S.**, Said, M. I. M., Andu, Y., and Zon, N. F. (2018). Microplastics in Sediment from Skudai and Tebrau River, Malaysia: A Preliminary Study. MATEC Web of Conferences. 250. 06012.

