

EDUCATION

PhD. Nanomaterials &

Nanotechnology Universiti Putra Malaysia

2010-2014

MEng (Gas) Universiti Teknologi Malaysia 2004-2007

BEng. (Hons) Chemical Universiti Teknologi Malaysia 1999-2004

EMPLOYMENT

Head of Programme
Bachelor of Technology (Environment),
Faculty of Ocean Engineering Technology,
Universiti Malaysia Terengganu 2020 - 2025

Senior Lecturer (DS52)

Faculty of Ocean Engineering Technology, Universiti Malaysia Terengganu

Oct 2014 - Present

Lecturer (DS45)

School of Ocean Engineering Technology, Universiti Malaysia Terengganu May 2007- Oct 2014

Tutor (DA41)

Faculty of Science and Technology, Universiti Malaysia Terengganu Oct 2004 - May 2007

EXPERTISE

- Nanomaterial Synthesis
- Sol-gel & Citrate Gel Based Nanofabrication
- **Environmental Nanotechnology**
- **Photocatalytic Nanofeatures for** Corrosion and Water Treatment.

0000-0001-7806-3640

DR. WAN RAFIZAH BINTI WAN ABDULLAH @ WAN ABD. RAHMAN

Faculty of Ocean Engineering Technology,

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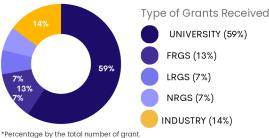
Scopus ID: 55194913400 Researcher ID: V-9432-2018 ORCHID ID: 0000-0001-7806-3640

Publications

	Scopus	Google Scholar
Total Publications	40	40
Total Citations	396	396
h-index	11	10

Research, Consultation & Innovation





Teaching & Supervision

Undergraduate Courses

- Materials Engineering
- Environmental Nanotechnology
- Chemical Process Safety
- Principles of Environmental Analysis
- Mathematics for Technology
- Thermodynamics
- Final Year Projects

Postgraduate Courses

Copyrights Filed

Research Methodology

Supervision

- 1 PhD. & 7 MSc. Graduated
- 3 PhD & 1 MSc. on-going

Academic Recognition

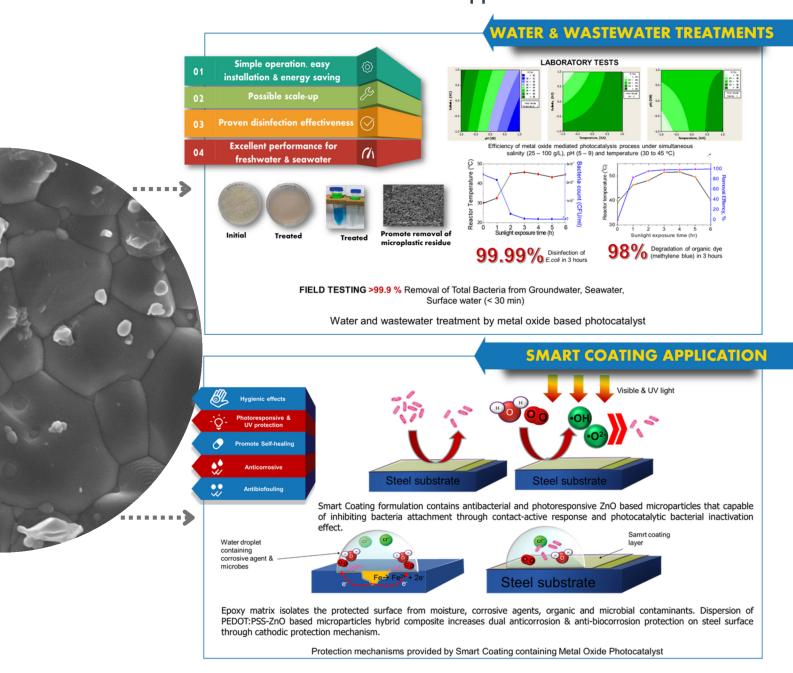
- Thesis Examiner
- Journal Reviewer
- Editorial Board Member

Awards

- Makalah Jurnal Terbaik Indeks Antarabangsa, Anugerah MAPIM-KPT Ke 14 (2023)
- Anugerah Perkhidmatan Cemerlang 2016
- Anugerah Perkhidmatan Cemerlang 2010
- Sijil Perkhidmatan Cemerlang (2015 2023)
- Silver Medalist, Seoul International Invention Fair 2018
- Silver Medalist, PECIPTA 2019
- Gold Medalist, International Invention, Innovation & Technology Exhibition (ITEX 2018)
- Gold, Silver and Bronze Medalists, Minggu Penyelidikan & Inovasi 2018
- Silver Medalist, Pertandingan Amalan İnovasi Pengajaran & Pembelajaran 2019

Current Research Interest

Fabrication and modification of nanostructured metal oxide based functional materials for environmental applications.



Selected publications:

- Abdullah, S. Z. A. S., Abdullah, W. R. W., Ariffin, F., & Ghazali, M. S. M. (2024). Synthesis and Morphological Studies of Cerium Oxide– Zinc Oxide as a Potential Heterostructured Material. In Exploring Diversity in Engineering and Technology for Knowledge and Innovation (pp. 215-222). Cham: Springer Nature Switzerland.
- Razali, N. A., Abdullah, W. W., & Zikir, N. M. (2020). Effect of thermo-photocatalytic process using zinc oxide on degradation of macro/micro-plastic in aqueous environment. J. Sustain. Sci. Manag, 15(6), 1-14.
- Abdullah, W. R. W., Siang, L. C., Rooshde, M. S., & Ghazali, M. S. M. (2020). Temperature and Salinity Effects on Photocatalytic Performance of Cerium Doped Zinc Oxide. Solid State Phenomena, 307, 223–228.
- Wan Abdullah, W. R., Johari, N. A., Farahin Ibrahim, N., Syazrinni Rooshde, M., & Mohd Ghazali, M. S. (2019). Comparison of biocorrosion behavior of stainless steel 316 L and mild steel induced by slime producing bacteria. International Journal of Mechanical Engineering and Technology, 10(3).
- Mohamed, F. E., & Abdullah, W. R. W. (2019). Solar Photocatalytic Efficiency of Zinc Oxide for Water Decontamination. Universiti Malaysia Terengganu Journal of Undergraduate Research, 1(1), 92-102.