
EXPERT PROFILE

DR. NORSYAHIDA BINTI MOHAMMAD

- Position: Post-doctoral Researcher
- Years of professional experience: 1.5 years
- Research Centre: Institute of Energy Policy and Research
- **Research Forte: Renewable and Sustainable Energy Technology and Policy, Fuel Cell Science and Technology, Proton Exchange Membrane Synthesis and Characterization**

EDUCATIONAL BACKGROUND

- Universiti Kebangsaan Malaysia | Doctor of Philosophy (Chemical and Process Engineering)
- RMIT University, Melbourne | Master of Engineering (Sustainable Energy)
- University of Melbourne | Bachelor of Engineering (Chemical)

PROFESSIONAL EXPERIENCE

Previously a Research Officer at University Teknologi Petronas (UTP) working on design of a laboratory-scale water-gas shift reactor. Appointed as Research Assistant prior to commencement of PhD, at Institut Sel Fuel, Universiti Kebangsaan Malaysia (UKM). Project completed during the RA appointment was the synthesis of a polymer membrane for application in proton exchange membrane fuel cell (PEMFC). After completion of PhD, served as a Research Assistant at the Centre of Advanced Electronic and Communication Engineering (PAKET, UKM), mainly to assist writing workshops and publications. Currently appointed as a Post-doctoral Researcher at the Institute of Energy Policy and Research, UNITEN.

KEY PROJECT HIGHLIGHTS:

- Renewable Energy for Sustainable Energy Planning in Malaysia
- Natural Gas as An Alternative Energy Source in Sustainable Energy Transition
- Virtual Power Plant Modeling and Technology for Affordable and Sustainable Energy