



# AZHARIN SHAH ABD AZIZ (Dr.)

## EDUCATION



Bach. in Chemical  
Engineering (UTM)



MSc. In Chemical  
Engineering  
(UTM)



PhD. In Chemical  
Engineering (UMP)

## CONTACT



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## EXPERTISE

### Field

Chemical Engineering

### Expertise

Academic : Separation & Porous  
Material

Industry : Chemical Plant  
Operations

### Specialization

Activated Carbon

Zeolite A

Porous Material for Catalyst

Comissioning, Start up,  
Shutdown Procedure of Chemical  
Plant.

## INDUSTRIAL EXPERIENCE & ACADEMIC RESEARCH

He has industrial experience in commissioning, initial start up, performance test, normal operation, annual shutdown, plant isolation and inspections of a direct reduction plant in which iron ore is reduced to pure iron using reformed gas with the production of 1.2 million reduced iron with 92% degree of metallization and 2.0% C. Process equipment involved were desulphuriser, reformer, fired heater, HYL reactor and auxiliary systems such as steam, ECW, PCW, N2, Conveyer setc.

Academic research is focused on adsorbent and porous material such as activated carbon from rubber seed coat for heavy metal removal in wastewater, water adsorbent from spent bleaching earth for ethanol purification, zeolite A from local kaolin used as porous support for catalyst to remove sulphur compound in biogas and etc.



### PROFESSIONAL MEMBERSHIP

- Malaysia Board of Technologists (MBOT)
- Board of Engineers Malaysia (BEM)



### NETWORKING & RESEARCH COLLABORATION

- MIE University, Japan



### PUBLICATION

- Scopus ID :
- Google Scholars : Azharin Shah Abd Aziz

Directory  
of

eXpert

