

<<< Curriculum Vitae (CV) >>>

Personal Information

- Name: Mohamed Abdulrahman Abdulghani Mohamed
- Lecturer
- University of Technology, Department of Chemical Engineering

Research Interests

- Membranes
- Nanotechnology
- Materials Engineering

Educational Qualifications

Year	Field of Study	Degree	Institution
2007	Chemical Engineering	undergraduate studies	University of Technology
2019	Chemical Engineering	Master's	University of Malaysia

Administrative Positions & Committees

- ❖ Member of the Quality Division Committee
- ❖ Member of the Examination Committee
- ❖ Department Secretary

Academic Experience

2002-2017 Lecturer in laboratories (Chemical Industries Laboratory, Chemistry Laboratory, Physical Chemistry Laboratory, Unit Operations Laboratory, and Drawing Engineering ,Mass Transfer, Heat Transfer, Materials Lab, Statistics Lab) in the Department of Chemical Engineering - University of Technology - Iraq

2021-2023 Practical supervision of the laboratory (Unit Operations Laboratory) (Control Laboratory)

2024 Teaching the first grade, the subject taught: Mathematics.

2021-2024 - Tell now about supervising the graduation project for fourth grade students.

Skills

- Languages:
- English
- Computer Skills:
- Microsoft PowerPoint, Excel, Word
- IC₃ Certification

Published Research (2022 - 2024)

- ❖ Optimizing Photocatalytic Lead Removal from Wastewater Using ZnO/ZrO₂: A Response Surface Methodology Approach. ChemEngineering. 2024 Jul
- ❖ Response surface optimization of hydrogen-rich syngas production by methane dry reforming over bimetallic Mn-Ni/La₂O₃ catalyst in a fixed bed reactor. International Journal of Hydrogen Energy. 2024 Jun 12.
- ❖ Electrochemical removal of dye from a tanning process industrial wastewater. Chemical Papers. 2023 Oct;77(10):6311-8.
- ❖ Effect of textural properties on the degradation of bisphenol from industrial wastewater effluent in a photocatalytic reactor: A modeling approach. Applied Sciences. 2023 Aug 4;13(15):8966.
- ❖ The potential of hydrogen production using chemical looping reforming reactor: A data-driven evaluation of process parameters effects. In AIP Conference Proceedings 2023 Jul 14 (Vol. 2787, No. 1). AIP Publishing.
- ❖ Competitiveness of hydrogen production by glycerol reforming in fixed-bed reactor: An overview of the catalytic performance, product distribution and reactant conversions. Materials Today: Proceedings. 2023 May 10.
- ❖ Model analysis and parametric evaluation of Titania nanoparticles modified epoxy composites. In AIP Conference Proceedings 2022 Nov 17 (Vol. 2660, No. 1). AIP Publishing.