



Dr. Wameath Shawqi Abdul-Majeed

Associate Professor

Chemical and Petrochemical Engineering

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Time at UoN: Since 2014

Marital Status: Married..

- Associate Professor & Consulting Engineer 33 years of Academic and Industrial experiences

Academic Qualifications

PhD Chemical and Process Engineering, University of Sheffield - UK, 2012

MSc Chemical Engineering, University of Technology - Iraq, 1996

BSc Chemical Engineering, University of Technology - Iraq, 1989

Research Activities

- Research Interests

1-Application of non-thermal plasmas in industrial, environmental, biologicals and health sectors 2- Computational fluid dynamics (CFD): A unique analysis tool for industrial problems 3- Green Hydrogen production from steam plasmolysis 4- Sustainable production

of Hydrogen and valuable hydrocarbons from recycling water vapour and CO₂ emitted from industrial and power plants

- Publications

Article:

1. 2023 Application of Ultra Fine Bubbles for Deoxygenation of Produced Water and Tap Water via Nitrogen Purging scheme
2. 2023 , Evaluation of Two Plumes Jet Plasma Reactor for Plasmolysis of H₂O Vapor and CO₂ Combinations – Optimization Study
3. 2019 Activation of peat soil carbon and production of carbon nanostructures using a flying jet cold plasma torch
4. 2018 Application of Flying jet Plasma Torch in Wastewater treatment
5. 2017 Application of Novel Polymeric Surface Remediation Technique Based on Flying Jet Plasma Torch
6. 2016 Application of Flying Jet Plasma for Production of Biodiesel Fuel from Wasted Vegetable Oil

Faculty Administrative Experience

2016 - 2019: Head of Department - Chemical and Petrochemical Engineering Department

Membership in Professional Bodies

2019-Present: Editorial board member –Journal of Engineering

2018-Present: Editorial board member – Iraqi Journal of Chemical and Petroleum Engineering

2014-Present: Editorial board member - Letters in Applied NanoBioscience

1989-Present: Consulting Engineer - Iraqi Engineers Union

Award and Recognitions

2018 Recognition Award - World Congress on Petroleum Engineering and Natural

Resources 2018, Athens - Greece

Ref.: <https://www.unizwa.edu.om/staff/cea/wameath>