



University of Technology Oil and Gas Engineering Department



Muayad Al-Zamli



Personal Details

Full Name: Muayad Mohammed Hasan Al-Zamli

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Current Job: A Lecturer

Sex: Male

Academic Qualifications

Postgraduate Studies in the Department of Chemical and Environmental Engineering, University of Nottingham, England, UK. PhD in Chemical Engineering. Date of obtaining degree: August 07, 2018

Postgraduate Studies in the Department of Chemical Engineering, University of Technology, Baghdad, Iraq. MSc. in Chemical Engineering/ Petroleum Refining. Date of obtaining degree: June 01, 2010

Undergraduate Studies in the Department of Chemical Engineering, University of Technology, Baghdad, Iraq. BSc in Chemical Engineering/ Unit Operation. Date of obtaining degree: June 30, 2007

Undergraduate Studies in the Department of Chemistry, College of Sciences, Al-Al-Mustanseria University, Baghdad, Iraq. BSc in Chemistry Science. Date of obtaining degree: June 28, 2000.

Technical Diploma in Chemical Industries at the Institute of Technology, Baghdad, Iraq. Date of obtaining degree: June 30, 1994

English for academic purposes course (Pre-sessional course) in the English Language Centre at Bath University, Bath, England, from 6th, January to 26th, March 2014.

English Language Course (Pre-sessional course) for academic purposes at INTO Queen's University Belfast, UK. Northern Ireland from 31th April to 5th, September 2014.

Languages

- *Arabic* (Native language); reading, writing and conversation
- *English* (Excellent); reading, writing and conversation

Key Skills

- Strong computer skills

Employments

1994-2000

- BSc. Studies in the Department of Chemistry, College of Science, Al- Al- Mustansiriyah University, Baghdad, Iraq.

2000 – 2003

- Chemical at the General Ibn AL-Waleed Company/ Ministry of Industry and Minerals.

2003- 2007

- BSc. Studies in the Department of Chemical Engineering, University of Technology, Baghdad, Iraq.

2007– 2010

- MSc. Studies in the Department of Chemical Engineering, University of Technology, Baghdad, Iraq.

2010 – 2011

- An engineer at the General Ibn AL-Waleed Company/ Ministry of Industry and Minerals, Baghdad, Iraq.

2011-2014

- An assistant Lecturer at Petroleum Technology Department, University of Technology, Baghdad, Iraq.

2014-2018

- PhD studies in the Chemical and Environmental Engineering Department, University of Nottingham, UK
- Since August 2018, A lecturer at the Petroleum Technology Department, University of Technology, Baghdad, Iraq.

Research Summary

- Enhanced Oil Recovery (EOR)
- Characterisation of porous media
- Catalysts
- Multiphase flow in porous media

publications

The Use of Gas-to-Liquid Technology (GTL) to Produce Gasoline and Diesel Fuels Khalid A. Sukkar, Farah T. Jassm, Aswar A. Alwasiti and Muayad M. **Hasan**, Engineering and Technology.

Rigby, S.P., **Hasan**, M., Hitchcock, I. and Fletcher, R.S., 2017. Detection of the delayed condensation effect and determination of its impact on the accuracy of gas adsorption pore size distributions. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 517, pp.33-44.

Rigby, S.P., **Hasan**, M., Stevens, L., Williams, H.E. and Fletcher, R.S., 2017. Determination of pore network accessibility in hierarchical porous solids. *Industrial & Engineering Chemistry Research*, 56(50), pp.14822-14831.

Hasan, M.M. and Rigby, S.P., 2019, July. Enhanced Recovery of Heavy Oil Using A Catalytic Process. In IOP Conference Series: Materials Science and Engineering (Vol. 579, No. 1, p. 012030). IOP Publishing.

Al-Khdheewi, E.A., Mahdi, D.S. and **Hasan**, M.M., 2022, July. Reservoir scale CO₂-water-rock interactions and geochemical evolution of sandstone reservoirs due to CO₂ geo-storage process. In *AIP Conference Proceedings* (Vol. 2443, No. 1, p. 030007). AIP Publishing LLC.

Hasan, M.M., 2021. Various Techniques for Enhanced Oil Recovery: A review. *Iraqi Journal of Oil & Gas Research*, 2(1).

Azeez, R.A., **Hasan**, M.M., Alawi, N.M. and Nguyen, H.M., 2022. A Review Study of Immobilized Microbial-Nanoparticles: Techniques and Biotechnology Applications. *Iraqi Journal of Oil and Gas Research (IJOGR)*, 2(2), pp.87-101.

Hasan, M.M., Al-Zuhairi, F.K., Sadeq, A.H. and Azeez, R.A., 2023. Assessment of Nanoparticle-Enriched Solvents for Oil Recovery Enhancement. *Fluid Dynamics & Materials Processing*, 19(11).