
Maziad Alsanea, PhD

Assistant Professor, College of Engineering and Petroleum, Kuwait University.

Office: ENP-S04E₁119, Phone: +965 24983985Email: Maziad.alsanea@ku.edu.kw**Research Interest:** Natural Gas Engineering, Energy Utilization, Petroleum Economics, Production Engineering, Multiphase Flow in Pipes, Artificial Lift, Flow Assurance

EDUCATION

The University of Oklahoma, PhD in Petroleum Engineering	2022
The University of Tulsa, MSc in Petroleum Engineering	
Kuwait University, BSc in Petroleum Engineering	
• Dean's honor list	
• Graduated with distinction (honor list)	

ACADEMIC EXPERIENCE

Assistant Professor at Kuwait University	2023-present
Research Assistant (RA) at The University of Oklahoma, at Well Construction Technology Center (WCTC)	2019-2022
Research Assistant (RA) at The University of Tulsa, at the Tulsa University Horizontal Well Artificial Lift Projects (TUHWALP)	2016-2018
Recipient of Kuwait University Scholarship for Higher Studies for MSc. And PhD.	2016-2023
Teaching Assistant (TA) at Kuwait University	2014

NON-ACADEMIC EXPERIENCE

Asset Management Petroleum Engineer Kuwait Foreign Petroleum Exploration Company (KUFPEC)	2014-2016
- Conducted comprehensive economic evaluations of international assets to optimize investment decisions and enhance profitability.	
- Led risk assessment initiatives, identifying potential financial exposures and developing strategic mitigation plans to safeguard asset.	
Intern at Kuwait Gulf Oil Company (KGOC)	2014

PROFESSIONAL SKILLS

Languages: **Arabic:** Native Proficiency, **English:** Full Professional Proficiency

Economic Analysis, experienced in conducting economic evaluations and cost-benefit analysis for petroleum assets, with a focus on maximizing asset value and ensuring sustainable financial performance.

Risk Management, Skilled in identifying and mitigating financial risks, with a proven track record in developing and implementing effective risk management strategies in the asset management sector.

Communication, Expert in writing comprehensive reports and articles tailored for diverse audiences.

Presentation Skills, experienced in delivering engaging presentations to varied groups, effectively conveying complex information.

SELECTED PUBLICATIONS**Peer-Reviewed Articles**

- M. Alsanea,** C. Mateus-Rubiano, H. Karami, Experimental study on the effect of liquid properties on fluid behavior and liquid loading in vertical natural gas wells, *Geoenergy Science and Engineering*, Volume 230, 2023, 212180, ISSN 2949-8910.
- M. Alsanea,** C. Mateus-Rubiano, H. Karami Liquid Loading in Natural Gas Vertical Wells: A Review and Experimental Study. *SPE Production & Operations*. 2022 Aug 10;37(03):554-71.
- M. Alsanea,** H. Karami, 2024. A Mechanistic Model for Churn Flow in Vertical Tubulars under Multiphase Conditions In BHR International Conference on Multiphase Production Technology (BHR-2024). BHR. (Peer Reviewed Conference)
- M. Alsanea,** C. Mateus-Rubiano, H. Karami, 2024., Experimental Investigation of Well Deliquification using the Partial Tubing Restrictions. *Geoenergy Science and Engineering*, Volume 243, 2024, 213278, ISSN 2949-8910,
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Conference Articles

- C. Mateus-Rubiano, **M. Alsanea**, H. Karami. An Experimental Study on the Effects of Tubular Restrictions on Liquid Lifting in Natural Gas Wells. In SPE Oklahoma City Oil and Gas Symposium/Production and Operations Symposium 2023 Apr 17 (p. D031S009R002). SPE.
- C. Mateus-Rubiano, **M. Alsanea**, H. Karami. Liquid Management in Gas Wells: Exploring The Impacts of Tubular Restrictions. In SPE Oklahoma City Oil and Gas Symposium/Production and Operations Symposium 2024. SPE.

OTHER PRESENTATIONS

- M. Alsanea**, KOC Young Professionals Conference, technical session (petroleum/reservoir engineers), 2015.
- M. Alsanea**, Advisory Board Semi-annual Meetings for TUHWALP, 2016-2018.
- M. Alsanea**, Liquid Loading in Natural Gas Vertical Wells: A Review and Experimental Study, Graduate Seminar, Kuwait University, April-2023.
- M. Alsanea**, Kuwait Between Oil and Upcoming Challenges: From the Dutch Disease to Trump's Taxes! , Public Lecture, Dewan Bo Qamaaz, April-2025.
- M. Alsanea**, From School to University, How to Adjust? , Students Advisory Meeting, Kuwait University, September-2025.

UNIVERSITY SERVICE ACTIVITIES

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| Acting Chairman Petroleum Engineering Department , Kuwait University | Summer 2023 |
| Petroleum Engineering Department Council Secretary , Kuwait University | 2024,2025 |
| Coordinator , Students Advisory Committee, Kuwait University. | 2023, 2025 |
| Member , Scholarship Committee. | 2024,2025 |
| Member , Research Committee. | 2023,2024 |
| Member , Budget, Equipment and Laboratories Committee, Kuwait University. | 2023.2024,2025 |
| Member , Senior Design Evaluation Team, Kuwait University. | 2023 |

COMMUNITY AND SOCIAL SERVICE ACTIVITIES

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| President , Muslim Student Association (MSA) Tulsa Chapter | 2018 |
| Volunteer and Member , Abdullah AlNouri Charity Society | 2007-2011 |

PROFESSIONAL and OTHER SERVICE ACTIVITIES

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| Technical Reviewer , Society of Petroleum Engineers Journal (SPE J) | 2022-present |
| Technical Reviewer , Geoenergy science and Engineering | 2023-present |
| Member , Society of Petroleum Engineers (SPE) | 2012-present |

TAUGHT COURSES

- Probability and Statistics** (KU-ENGR304)
- Fluid Mechanics** (KU-PE241)
- Petroleum Production Engineering** (KU-PE411)
- Artificial Lift and production Equipment Design** (KU-PE435)