



IBRAHIM FATIH

lbrahim.fatih@tiu.edu.iq | Date of birth: 21/12/1997

A dedicated Petroleum Engineering professional combining a strong academic foundation with practical laboratory expertise. Proven record in higher education as an Assistant Lecturer and a Research Assistant, with over four years of experience supervising laboratory operations, mentoring students, and supporting complex reservoir research. Possesses comprehensive technical knowledge of standardized core analysis, reservoir fluid property testing, and drilling fluid engineering procedures.

EDUCATION

2017-2021

BACHLOR

I graduated as a top-performing student from the Department of Petroleum and Mining Engineering at Tishk International University.

2022-2024

MSTER

I graduated from the University of Kurdistan with a degree in Petroleum Engineering.

JANUARY 1, 2025 –
JUNE 1, 2025

PEDAGOGY

I Completed a Pedagogy program at the Polytechnic University.

EXPERINECE

AUG 2021-
JUNE 2025

RESEACH ASSIATNT AT TISHK INTERNATIONAL UINVERSTY

Four years as a Research Assistant Lecturer in:

- Drilling Engineering
- Reservoir Engineering
- Production Engineering
- Well Logging Engineering
- Fluid Mechanics
- Thermodynamics

JUNE 2025 TILL
NOW

ASSISTANT LECTURER AT TISHK INTERNATION UNIVERSITY

One year as an Assistant Lecturer in:

- Enhanced Oil Recovery
- Well Logging

SKILLS

Laboratory & Engineering Skills:

- Core plug preparation and specialized cleaning
- Porosity and permeability measurement (gas and liquid)
- Sample density measurement
- API gravity, flash point, and fire point determination
- Kinematic and dynamic viscosity measurement
- Rheological analysis (viscosity, shear stress, shear rate, yield point, gel strength)
- Interfacial tension (IFT), surface tension, and contact angle measurement
- Fluid conductivity testing and custom solution preparation
- Drilling mud preparation and rheology analysis
- Mud density, Marsh funnel viscosity, fluid loss (API/HTHP), pH, and sand content testing

Technical & Software Skills:

- Python (data analysis and engineering applications)
- Petrel (reservoir modeling)
- Techlog (well log interpretation)
- Prosper (well performance and production analysis)
- Eclipse (reservoir simulation)

LEADERSHIP & ORGANIZATIONAL EXPERIENCE:

- Organizing Committee – Visit Your Future Event, TIU
- Organizer – International Workshop (SPE): Optimizing Field Development and Predicting EUR Utilizing Geochemistry, TIU
- Organizing Committee – Graduation Ceremony, TIU
- Organizing Committee – International Festival of Language, Culture, and Science, TIU
- Organizing Committee – Social Community Projects and Clubs Introduction, TIU
- Organizer – National Workshop: The Future Prospects of Oil and Gas in Iraq, TIU

GOOGLE SCHOLAR / RESEARCH PROFILE:

- ORCID: 0009-0001-8662-488X
- Research Gate:
https://www.researchgate.net/profile/Ibrahim-Rasul-2?ev=prf_overview
- Google scholar:
<https://scholar.google.com/citations?user=H6VcKNYAAAAJ&hl=en&oi=ao>
- University Profile (TIU) :
https://academics.tiu.edu.iq/user/ibrahimfatihrasul/?u_m_action=edit

Publications:

- Production Performance Evaluation of Multilateral Wells Using Inflow Control Valves: Managing Inter-Lateral Interference and Enhancing Zonal Contribution

ACADEMIC & PROFESSIONAL ACTIVITIES:

- Exchange Program Participant – Universiti Teknologi Malaysia (UTM) (One Semester)
- DAAD Project Participant – Germany (Focus on Dialogue and Culture)
- Internship – DNO

CONFERENCE PRESENTATIONS:

- IEEE Conference – Presented: “Application of TOPSIS Algorithm in Screening EOR Method for Iraq Oil Reservoir”
- ICASEE 2025 – Presented: “Reservoir Characterization Through Comprehensive Interpretation of Well Log Data”

CERTIFICATES & ACHIEVEMENTS:

- Participation Certificate – National Workshop: The Future Prospects of Oil and Gas in Iraq & New Environmental Considerations, TIU
- Appreciation Letter – Performance Evaluation: Very Satisfactory, TIU
- Participation Certificate – Two-Day Engagement on Enhancing the Learning Experience, DNO
- Participation Certificate – National Workshop: The Future Prospects of Oil and Gas in Iraq, TIU
- Certificate of Appreciation – Organizing Social Community Projects and Clubs Introduction, TIU
- Certificate of Appreciation – Organizing International Festival of Language, Culture, and Science, TIU
- Certificate of Appreciation – Organizing Graduation Ceremony, TIU
- Certificate of Appreciation – Organizing International Workshop (SPE), TIU
- Certificate of Appreciation – Internship, DNO

- Flexural Performance of Sustainable Geopolymer Ferrocement Panels Reinforced with Multi-Layer Wire Mesh
- Application of Multi-Criteria Decision Analysis (TOPSIS) for Screening Enhanced Oil Recovery Methods: A Case Study of Iraqi Reservoirs
- Advancing Oil Recovery: Systematic Evaluation of EOR Techniques from Primary to Tertiary Stages
- Development and Application of the EOR Investigator Software for Screening and Ranking Enhanced Oil Recovery Methods Using Multi-Criteria Decision Analysis