**Name & Position:** Abdulrahim Kamel, Teaching Assistant (a.Kamel@ku.edu.kw)

**Education:**

| Degree | Discipline | Institution | Year |
|---|---|---|---|
| M.Sc. | Petroleum Engineering | Kuwait University | 2016 |
| B.Sc. | Petroleum Engineering | Kuwait University | 2012 |
| Diploma | Petroleum Engineering | College of Technical Studies-PAAET | 2007 |

**Academic Experience:**

| Institution | Designation | Year/Period |
|---|---|---|
| Kuwait University | Teaching Assistant | 2018 - Present |
| Kuwait University | Research Assistant (Secondment) | 2020-2023 |
| Kuwait University | Senior Research Assistant | 2017 - 2018 |
| KISR (Petroleum Research Center) | Research Assistant | 2014 - 2017 |
| Kuwait University | Research Assistant | 2013 - 2014 |
| Kuwait University | Temporary Teaching Assistant | 2012 - 2014 |

**Non-Academic Experience:**

| Organization | Designation | Year/Period |
|---|---|---|
| The census of Kuwait | Researcher | 2005 |
| Rumaithiya Co.Op. | Reception and public relations | 2003 - 2005 |

**Membership in Professional Organization:**

a. SPE (Society of Petroleum Engineers)

**Honors and Awards:**

a. First award in the Engineering Design Exhibition 48 “The Heat Beneath Our Feet: Extraction of Geothermal Energy through Optimized Well Design and Operation Towards Net Zero”, (KFAS award + KOC clean energy award), July/2025.
b. Second award in the Engineering Design Exhibition 36 “The effect of flow velocity on the performance of nanoparticle treatments in fines fixation: An experimental study”, 17-18/6/2019.
c. First award of the Scientific Poster Day for Scientific Faculties and KISR “Dry heat recovery enhancement of Wafra Eocene using conventional temperatures” and First award in the Engineering Design Exhibition 30, 22/3/2017.

**Service Activities:**

a. Worked on CO2-EOR approach to predict oil recovery and CO2 storability using the CO2 Miscible Flood Predictive Model (CO2PM).
b. Present Probability & Statistics Courses.
c. Present a Workshop on PipeSim.
d. Present a Workshop on Excel and Excel VBA.
e. Present a Workshop on ECLIPSE (basics).
f. Team Member in "Monitoring Quality of Effluent and Aquifer Water Injection" Project in Managish Field west Kuwait.
g. Team Member in "Control of Seawater Quality for the North Kuwait Oil Field Water Injection System" Project.
h. Team Member in "Analysis of Produced Fluids from the First Eocene Carbonate Reservoir Steam Flood Pilots in Wafra Oil Field" Project.
i. API full analysis for different water types of (Wafra, Minagish, Magwaa, Abduliya) fields.

**Publications and Presentations:**

a. Kamel, A., Alomair, O., Elsharkawy, A., "Measurements and predictions of Middle Eastern heavy crude oil viscosity using compositional data", Journal of Petroleum Science and Engineering 22 October 2018. 173 (2019) 990–1004.
b. Al-Bazzaz, W., Kamel, A., Talal, A., Buresli, K., "Unconventional Dry Heat Recovery Enhancement of Wafra Eocene Using Conventional Temperatures" 22nd World petroleum congress, Istanbul, 9-13 July 2017. Volume: 22nd World Petroleum Congress-New Technology in Production and Development.
c. Kamel, A., Alomair, O., Elsharkawy, A., "Compositional-based Models and API-based Correlations for Predicting Kuwaiti Heavy Crude Oils Viscosity", SPE international heavy oil conference and exhibition, Mangaf, Kuwait, 6-8 December 2016. SPE-184140-MS.

**Recent Professional Development Activities:**

a. Attended "Operating on-site training on Vinci Technologies equipment", in Kuwait University, 5-11/3/2024.
b. Attended "8th International Conference on Energy Research and Development", 28/11/2023.
c. Attended workshop on "Programming principles in Python", Al-Khwarizmi Information Technology Training Center, 29/11/2023.
d. Attended workshop on "Scientific research methods", Research Sector at Kuwait University, 23/2/2023.
e. Attended workshop on "Statistical analysis using SPSS", Research Sector at Kuwait University, 10/3/2021.
f. Attended workshop on "Scientific writing methods", Research Sector at Kuwait University, 18/10/2020.

**Technical skills:**

a. Mud and Cement measurements.
b. Core flooding.
c. EOR techniques.
d. Crude oil physical properties analysis (viscosity, density, and composition)
e. Water sample analysis (composition, density, TSS, scale inhibitors, biocide inhibitors, corrosion inhibitors, Jar test)
f. Coding and Computer simulations.

**Courses taught:**

0600304, 0650150, 0650333, 0650342, and TA for all Petroleum Engineering courses.