

Ali M Al-Mashat Ph.D. Petroleum Engineering
Professor of Petroleum Engineering

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Education:

Ph.D. Petroleum Engineering: Colorado School of Mines, Golden, Colo., USA, Dec. 1976. (Minor in Mathematics)

M.S. Mechanical Engineering: University of California-Berkeley, Berkeley California, USA, Dec. 1973

B.S. Petroleum Engineering: University of Baghdad, Baghdad, IRAQ, June 1970

Scientific Position Held:

1. Research assistant in the field of Petroleum Engineering, Iraqi Scientific Research Council, Department of Petroleum and Chemical Engineering, Baghdad, Iraq (1971-1972).
2. Lecturer of Petroleum Engineering, University of Baghdad, Engineering College, Department of Petroleum Engineering (1977-1986).
3. Assistant Professor of Petroleum Engineering, University of Baghdad, Engineering College, Department of Petroleum Engineering (1986-1995).
4. Professor of Petroleum Engineering, University of Baghdad, Engineering College, Department of Petroleum Engineering (1995-1999).
5. Professor of Petroleum Engineering, Hadhramout university of science and technology, Engineering College, Department of Chemical and petroleum Engineering (1999 – 2000)
6. Professor of Petroleum Engineering, University of Qatar, Engineering College, Department of Chemical Engineering (2000-2004).

7. Professor of Petroleum Engineering, University of Baghdad, Engineering College, Department of Petroleum Engineering (2005 - 2009).
8. Professor of Petroleum Engineering, University of Basra for Oil and Gas, Basra, Iraq (Feb 2014 – Dec 2017).
9. Professor of Petroleum Engineering, Al – Farabi University College, Department of Petroleum Engineering (2018 –Until now).

Administrative Position Held:

1. Acting Chairman of Petroleum Engineering Department, College of Engineering, University of Baghdad, (1983).
2. Acting Chairman of Petroleum Engineering Department, College of Engineering, University of Baghdad, (1990).
3. Chairman and Member of Various Scientific Committees in the Department of Petroleum Engineering, College of Engineering University of Baghdad, (1977-1998).
4. Chairman of Petroleum Engineering Department, College of Engineering, University of Baghdad, Baghdad, Iraq (1992-1998).
5. Chairman of Scientific Committees in the Department of Petroleum and Chemical Engineering, University of Hadhramout , Hadhramout, Yemen (1999 - 2000).
6. Member of various Scientific Committees in the Department of Chemical Engineering, University of Qatar, Doha, Qatar (2000-2004).
7. Chairman and Member of Various Scientific Committees in the Department of Petroleum Engineering, College of Engineering, University of Baghdad, Baghdad, Iraq (2005-2007)
8. Director general of Scholarship and Cultural Relation, Ministry of Higher Education and Scientific Research, Baghdad, Republic of Iraq (Jan 2008- April 2009)
9. Senior oil & gas advisor with the Prime Ministry Advisory Commission (PMAC) / Prime Minister’s Office of Iraq (April 2009 – September 2012).
10. Scientific & Energy Advisor, Ministry of Higher Education & Scientific Research, Baghdad, Iraq (September 2012 - February 2014).
- 11. President of the University of Basra for oil & Gas, Basra, Iraq (March 2014 – Jan 2018).**
- 12. Head of Petroleum Engineering Department at Al – Farabi University College (March 2018 – Until Now).**

Research Interest:

1. Thermodynamics Properties of Reservoir Fluids
2. Multiphase Flow of Fluid through Pipes.
3. Multiphase Flow of Fluid through Porous Media.
4. Oil and Gas Well Testing Analysis.
5. Rheology of Non-Newtonian Fluids.

Technical Consulting Activities:

The practical fields experience obtained during my academic career was obtained through the following Engineering consulting activities:

1. Designing and performing gas lift operations in east Baghdad oil fields, Iraq.
2. Designing and performing gas miscibility operation for secondary oil recovery processes in one of the northern Iraqi oil fields, Iraq.
3. Design and optimization oil well location for future reservoir performance in some Iraqi oil fields, Iraq.
4. Design stimulation operation of Yamama pay zone in Nuhran Omer oil field, Iraq.
5. Study of stimulation performance of lime stone reservoir in one of the northern Iraqi oil fields, Iraq.
6. Improving drilling fluids properties to prevent swelling and sloughing of shale formations during drilling operation in northern Iraqi oil fields to achieve effective well bore stability, Iraq.
7. Improving operation conditions of oil/water separation processes in one of the Iraqi oil fields, Iraq.
8. Studying the water corrosion aspects in northern Iraqi oil fields, Iraq.
9. Steady and developing the processing of crude oil in Iraqi oil fields, Iraq.
10. Steady and developing the transportation and storing of crude oil in some of Iraqi oil field, Iraq.
11. Steady and developing the processes of dehydration, desalting, sweetening and stabilization of Iraqi crude oil, Iraq.
12. Steady the corrosion control of pipeline and other systems in some Iraqi oil fields, Iraq.
13. Steady the processing of natural and associated gases in northern Iraqi oil fields, Iraq.
14. Steady the processing of gas sweetening, gas dehydration in northern Iraqi fields, Iraq.

15. Steady the transportation of natural and associated gases in Iraqi fields, Iraq.

References:

1. Professor Dr. Mahmood Moshfeghian
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2. Professor Dr. Andrew J. Wilson, P.E.
Senior Consultant
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