

## **Professor Dr. Ali M Al - Mashat**

Department of Petroleum Engineering and Head of Petroleum Engineering department

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### **Education:**

**PhD**, Colorado School of Mines, Golden, Colo., USA, 1976

**MSc**, University of California-Berkeley, Berkeley California, USA, 1973

**BSc**, University of Baghdad, Baghdad, IRAQ, 1970

### **Profile:**

1. Director general of Scholarship and Cultural Relation, Ministry of Higher Education and Scientific Research, Baghdad, Republic of Iraq (Jan 2008- April 2009)
2. Senior oil & gas advisor with the Prime Ministry Advisory Commission (PMAC) / Prime Minister's Office of Iraq (April 2009 – September 2012).
3. Scientific & Energy Advisor, Ministry of Higher Education & Scientific Research, Baghdad, Iraq (September 2012 - February 2014).
4. President of the University of Basra for oil & Gas, Basra, Iraq (March 2014 – Dec 2017).

### **Teaching:**

Supervising the sinner year student to build their capacity in the field of Research and writing technical reports in the direction of petroleum industry.

### **Research Focus:**

My research focus on all aspect in the fields of petroleum engineering and petroleum industries especially in the direction of drilling of oil gas well, two phase fluid flow through pipes and oil and gas production engineering

### **Publications:**

1. Stimulation of Yamama Pay Zone. Proceeding of the Fourth Scientific

Engineering Conference, College of Engineering, University of Baghdad. Baghdad, 18-20 Nov. 1997.

2. A mechanistic model for vertical and inclined two-phase slug flow. Journal of Petroleum science and Engineering, Volume 27, No 1-2, (2000) 59-67, Elsevier publication.
3. Investigation of carbon steel corrosion under two phase and multi-phase flow in horizontal pipes. Published in December 2005.
4. Gas lift optimization using new developed mechanistic two-phase fluid flow model. published in March 2006.
5. A unified correlation for predicting slug liquid holdup in viscous two – phase flow for pipe inclination from horizontal to vertical. SN Applied Science, published online: 29 November 2018
6. Corrosion Behavior of Carbon Steel in Brine Produced Water. University of technology last conference. May 2021