

**Dr. Ahmed Jubair Mahmood**

**Department of Petroleum Engineering**

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**ACADEMIC QUALIFICATIONS:**

**PhD, petroleum engineering, University of Baghdad, 2008**

**MSc, petroleum engineering, University of Baghdad, 1985**

**BSc, petroleum engineering, University of Baghdad, 1980**

**PROFILE:**

**Highly diligent and accurate, PhD with excellent knowledge in lecturing various petroleum science subjects. Skilled in the areas of lesson planning, performance assessment, class management as well as coaching and tutoring coupled with strong acumen in conducting various academic research and publications. Knowledgeable in the subjects of reservoir engineering, petroleum engineering economics and reservoir fluid properties.**

**STRENGTHS:**

**Reservoir Engineering II, fourth year**

**Reservoir fluid properties and the material balance equation applications. The different types of hydrocarbon reservoirs and all related calculations. Calculation of water influx.**

**Petroleum engineering economics, third year.**

**The different types of petroleum contracts, their differences. Cash flow calculations and applications. The present day value and other types of economic applications. Evaluation of petroleum projects.**

**RESEARCH FOCUS:**

- 1- Numerical simulation of petroleum reservoir.**
- 2- Fractured reservoirs.**
- 3- Reservoir Rock Petro physical properties**

**PUBLICATIONS:**

- 1- Numerical simulation of a naturally fractured reservoir.**
- 2- Fracture-matrix transfer function in fractured porous media**
- 3- Petrophysical Properties and Well Log Interpretations of Tertiary Reservoir in Khabaz Oil Field/Northern Iraq.**
- 4- Constructing 3D Geological Model for Tertiary Reservoir in Khabaz Oil Field by using Petrel software.**
- 5- Spontaneous Imbibition Test for Wettability Measurement Using the Weighing Method**

**ACTIVITIES:**

**Member of the society of petroleum engineers.**

**Member of Iraqi engineers' syndicate.**

**Head of the SPE chapter in al-Farabi university college.**