TECHNICAL EDUCATION ACADEMY

**Osama Osman**

**Instructor**

A Senior Petrophysicist with more than ten years of experience in the oil and gas industry, bringing strong expertise in petrophysical analysis, reservoir evaluation, and the integration of advanced digital technologies into subsurface workflows. Holds a Master's degree from Cairo University focused on the characterization of Cretaceous reservoirs, supported by a solid record of technical publications that reflect both academic depth and industry relevance.

Currently works in a senior petrophysics role within the Egypt Upstream Gateway for a leading international oilfield services company, where responsibilities include advanced petrophysical evaluation of exploration wells across multiple regions in Egypt. Experience includes the integration of complex subsurface datasets and the application of innovative approaches, including machine learning, to enhance predictive modeling and improve reservoir understanding, particularly in carbonate settings.

In addition to current industry and instructional responsibilities, has provided consultancy support on projects in Libya and Yemen, with work focused on rock typing, saturation height modeling, and the evaluation of carbonate reservoir potential. This work has involved the integration of well logging, core, and borehole image data to support improved static modeling and reservoir characterization.

Earlier career experience includes a senior petrophysics role within a joint venture environment in Egypt, where petrophysical analysis was carried out for more than 500 wells using industry-standard software such as Interactive Petrophysics and Techlog. Previous field-based experience as an Operations / Wellsite Geologist provided a strong operational foundation in hydrocarbon show evaluation and well log analysis, including work in complex well environments such as deviated and horizontal wells.

Demonstrates strong proficiency in industry-standard software and digital tools, including Petrel, Spotfire, and Python-based machine learning applications. Combines technical depth, field experience, digital capability, and instructional expertise, making him a valuable contributor to both subsurface project delivery and professional capability development in petrophysics and reservoir evaluation.