

MUHAMMAD ARQAM KHAN

Lecturer, Department of Petroleum Engineering, NED University of Engineering & Technology, Karachi

Office: +92 21 99261261 Ext. 2345

Mobile : +92 332 3093176

arqamkhan@neduet.edu.pk

Research Interests

- ◆ Drilling Engineering
- ◆ Drilling Fluids
- ◆ Swelling in Shale

Education

Masters in Engineering (Petroleum) 2019

NED University of Engineering & Technology

Thesis on Wellbore Instability : Comparative Study of Talhar and Patala Shale using Liner Dynamic Swell Meter

Bachelors in Petroleum Engineering 2009

NED University of Engineering & Technology

Final Project on Application of Underbalanced Drilling in a Depleted Reservoir

Publications

1. Lalji, Shaine & Haneef, Javed & **Khan, Muhammad** & Ali, Syed. (2019). Demagnetizing the drill string magnetic interference in Far North and in Pakistan. Journal of Petroleum Exploration and Production Technology. 10.1007/s13202-019-00801-7.
2. **Khan, M.A.**, Haneef, J., Lalji, S.M. et al. Experimental study and modeling of water-based fluid imbibition process in Middle and Lower Indus Basin Formations of Pakistan. J Petrol Explor Prod Technol (2020). <https://doi.org/10.1007/s13202-020-01022-z>

Experience

Lecturer in Department of Engineering 2014-Present

NED University of Engineering & Technology

Undergraduate Courses Taught:

- ◆ Drilling Engineering (Including Lab work)
- ◆ Natural Gas Engineering
- ◆ Reservoir Engineering

Other Responsibilities:

- ◆ Class Advisor
 - ◆ Class Counselor
 - ◆ Member of OBE Team
-

Research Experience	Comparative study of swelling nature of different shale formations, with different drilling fluid systems, in Pakistan using Linear Dynamic Swell meter. (Part of Masters Research Thesis)	2019
Other Qualification:	IADC Level 3 (Gulf Technical Training and Safety Centre (Abu Dhabi)	2016-2018
	ITQ Level 2 Course with Redbrigde Institute	2013
Membership & Affiliations	<ul style="list-style-type: none"> ♦ Member, Pakistan Engineering Council ♦ Member, Society of Petroleum Engineer 	