



Syed Imran Ali

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EDUCATION

- PhD (Chemical Engineering (2021- In progress)
- M Engg (Petroleum) – (2017-2019)
NED University of Engineering & Technology. (Obtained CGPA 3.85)
- B.E. Petroleum Engineering - (2007-2010)
NED University of Engineering & Technology. (Obtained 78%)
- INTERMEDIATE- (2004-2006)
Adamjee Govt. Science College.(Obtained 83%)
- MATRICULATION- (2002-2004)
B.V.S. Parsi High School. (Obtained 85%)

PROJECTS

- Working as an attached faculty member on a joint R&D project titled “**A DETAILED STUDY OF ASPHALTENE PROBLEM AT ADHI FIELD**” between NED University and Pakistan Petroleum Limited. (2018-2019)
- Successfully completed Independent Study Project during Postgraduate Study on “CONTROLLING ASPHALTENES DEPOSITION ON OIL WELL USING CHEMICAL TREATMENTS.” (2018-2019)
- Successfully completed Undergraduate project on WELL OPTIMIZATION-To cut down the drilling project cost in lower Indus Basin in coordination with BP(British Petroleum) Pakistan.(Project time duration was one year) (2010)

PUBLICATIONS

1. **Ali, S.I.**, Lalji, S.M., Haneef. J., Ahsan, U., Tariq, S.M., Tirmizi, S.T., Shamim, R., Critical analysis of different techniques used to screen asphaltene stability in crude oils, Fuel, Volume 299, 1st September 2021, 120874.
2. **Ali, S.I.**, Lalji, S.M., Haneef. J., Khan, M.A., Louis, C., Comprehensive Analysis of Asphaltene Stability Predictors under Different Conditions, Petroleum Chemistry, 2021.
3. Lalji, S.M., Khan, M.A., Haneef, J., **Ali, S.I.**, Arain, A.H., Shah, S.S., Nano-particles adapted drilling fluids for the swelling inhibition for the

Northern region clay formation of Pakistan, Applied Nanoscience, 2021.

4. **Ali, S.I.**, Lalji, S.M., Haneef, J., Ahsan, U., Khan, M.A., Yousaf, N., Estimation of asphaltene adsorption on MgO nanoparticles using ensemble learning, Chemometrics and Intelligent Laboratory Systems, Volume 208, 2021, 104220.

5. Khan, M.A., Haneef, J., Lalji, S.M., **Ali, S.I.** 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).

6. Lalji, S.M., Haneef, J., Khan, M.A., **Ali, S.I.**, Demagnetizing the drill string magnetic interference in Far North and in Pakistan. *Journal of Petroleum Exploration and Production Technology*. 10. 2019.

WORK EXPERIENCE

Lecturer in Petroleum Engineering Department, NED University of Engineering & Technology (From January 2013 till Present)

Courses taught:

- Petroleum Geology
- Reservoir Fluid Properties
- Reservoir Petrophysics
- Thermodynamics
- Computer programming and Applications
- Corrosion Control Engineering
- Petroleum Property, Environment & Safety Management
- Project Planning & Management

Administrative work Experience:

- Research Associate, ORIC NED University. (2021-Present)
- Area Coordinator / Nominee of Quality Enhancement Cell (April 2014-Present)
- Internal Auditor of University (December 2017 – Present)
- Class Advisor Second Year (January 2014-December 2014)

Other Experience:

- Conducted practical sessions for the undergraduate students of Dawood University of Engineering and Technology (December 2013 and October 2016)
- Facilitator and Trainer in training technical session held at NED University in August 2015 for Midland oil Company, Iraq.
- Participator and Facilitator – Workshop on Shale Gas Resource Development held at NED University in June 2015 under Higher Education commission and British Council Researcher Link Programme.
- Trainer in PPL-NED Extended Internship Programme (EIP), Industria Academia Collaboration. (November 2014 – October 2015)

SOFTWARE KNOWLEDGE

CALSEP, MULTIFLASH, Sapphire, Ecrin, Prosper, MBAL, Eclipse and MS Project.

LAB EXPERIENCE

- **Reservoir Petrophysics Lab**
Core Preparation equipments, Helium Porosimeter, Soxhlet Extractor, Dean Stark Extractor, Retort Apparatus, Manual Saturator, Electric Seive Shaker, Gas Permeameter and Moisture Analyzer
- **PVT Lab**
Fluid Eval, Schilling Effusionmeter, Hydrometer, Pycnometer, Specific Gravity Bottle, Rolling Ball Viscometer, Tensiometer with software.
- **Flow Assurance (Asphaltene test) Lab**
Asphaltenes preparation, quantification and inhibition test

TECHNICAL CONFERENCES/ SEMNARS/ WORKSHOPS ATTENDED

- Presented a technical paper titled as, "Asphaltene Stability Analysis for Crude Oils and their relationship with Asphaltene Precipitation Models for a Gas Condensate Field" – SPE 194706 was presented at 21st Middle East Oil and Gas Show and Conference on March 20th, 2019 in Manama, Bahrain.
- Short Term Training at Norwegian University of Science and Technology, Norway in August 2016-September 2016.
- Two day workshop under the umbrella of President's programme for care of Highly Qualified Overseas Pakistanis (PPQP) on "Formation Evaluation using Petrophysical Modelling tools" by Dr. Amjad Ali Shah UK on 22nd -23rd December 2015.
- One day workshop on "Advances in Petroleum Studies" held at NED University in October 2015.
- One day workshop on "Unconventional Hydrocarbon resources" held at NED University in October 2015.
- Attended Workshop on Shale Gas Resource Development held at NED University in June 2015 under Higher Education commission and British Council Researcher Link Programme.
- Annual Technical conference 2014 held at Islamabad, Pakistan.
- Three day training on "Occupational Health and Safety" held at NED University in October 2014
- Certified Pan System training by Weatherford, Pakistan in 2014.
- One Day Seminar On "Industry Academia Collaboration" being organized by Mari Petroleum Company Ltd under the Auspices of PPEPCA's HR committee in 2013 at NED University of Engineering & Technology.

ADMINISTRATIVE TRAININGS ATTENDED

- Duties and Responsibilities of Class Advisor.
- Outcome Based Education (OBE)
- Quality Standard 9001:2015
- IRCA Registered Lead Assessor course in ISO 9001:2015
- Quality Assurance (QA) through Institutional Performance Evaluation (IPE) - Common Practices and Good Practices
- Effective Teaching practices.
- Duties and Responsibilities of Department area coordinator.
- Ingredients of Successful academic career.

INTERNSHIPS / VISITS

- Internship at PPL (Pakistan Petroleum Limited) Production Dept. Sui Field from 6th June 2009 till 3rd July 2009.
- Visit at Weatherford yard, Karachi, Pakistan in 2007.
- Visit at rig site of Oil and Gas Company Limited Pakistan in 2010

AREA OF INTEREST

- Visit at rig site of Pakistan Petroleum Limited Pakistan in 2014, 2017, 2018 and 2019.
- Management Sciences
- Flow Assurance (Asphaltene and Wax)

PERSONEL SKILLS

- Possess good communication skills.
- Self-driven, responsible and committed to achieve.
- Able to work independently and in team.
- Able to manage priorities and tasks.
- Motivated and goal oriented.

EXTRA CURRICULAR ACTIVITIES

- SPE Faculty Advisor
- Former captain of Department's cricket team

HOBBIES

Sports, Social activities and Travelling.

REFERENCES

To be furnished upon request

PROFESSIONAL AFFILIATIONS

Pakistan Engineering Council (PEC)
Society of Petroleum Engineers (SPE)