



Ali Raza Shah

Geologist

ABOUT ME:

I am a dedicated geologist and experienced Scientific Officer with a strong academic foundation and hands-on experience in geological mapping, wireline logging, seismic reflection surveys, mud logging, grain size analysis, identification of geologic structures, micropaleontology, and mineral exploration. My expertise lies in analyzing Earth's processes, studying rock formations, and utilizing advanced techniques for resource evaluation and sustainable development. I am skilled in conducting fieldwork, interpreting geological data, and preparing detailed reports to support research and decision-making.



CONTACTS



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SOFTWARE

Surfer 11

Logplot

MS Office

DIT



LANGUAGES

Urdu



Sindhi



ENGLISH



WORK EXPERIENCE & ACTIVITIES

From
April
2023

Scientific Officer (PPS 7)

Pakistan Science Foundation, Islamabad

- Review and evaluate 1000 research grant proposals submitted by scientists and researchers.
- Monitor progress and compliance of 120 funded research projects.
- Provide feedback and recommendations for project improvements.
- Coordinate with universities, research institutions, and industries to facilitate collaborative projects.
- Plan and oversee project timelines, budgets, and deliverables.
- Advise on emerging scientific trends and recommend areas of focus for future research funding.

2023
2018

Tutor

- Teaching all the subjects



2026
2024

EDUCATION

Bahria University, Islamabad

MS Geology

AI-Driven Integrated Reservoir Characterization of Tight Gas Sands Using Well Log Data and Well Cuttings: A Case Study from the Bhit-Bhandra Gas Field, Lower Indus Basin, Pakistan

University of Sindh, Jamshoro

BS Geology (CGPA = 3.57/4.00)

Planktonic and Benthic Foraminiferal Study of Sohnari Member (Laki Formation) at Jhimpir, District Thatta, Sindh

2017
2014

MEMBERSHIP

- Society of Petroleum Engineers (SPE)
- American Association of Petroleum Geoscientists (AAPG)
- Pakistan Association of Petroleum Geoscientists (PAPG)
- European Association of Geoscientists and Engineers (EAGE)
- Society of Explorations Geophysicists (SEG)
- International Association for Promoting Geoethics (IAPG)

COURSES & CERTIFICATES

- **Introduction to AI & ML**
- **Analytics Vidhya (2026)**
 - Free Online Course= 02 hours
- **Natural Gas Engineering**
- **PioPetro (2026)**
 - Free Online Course= 08 Weeks
- **Organic Shale Evaluation & Development**
- **PioPetro (2026)**
 - Free Online Course= 08 Weeks
- **Field Development Geomechanics**
- **PioPetro (2026)**
 - Free Online Course= 08 Weeks
- **Reservoir Engineering**
- **PioPetro (2026)**
 - Free Online Course= 08 Weeks
- **Using MS Excel like a Pro**
- **PioPetro (2026)**
 - Free Online Course= 08 Weeks
- **Well Logging**
- **PioPetro (2026)**
 - Free Online Course= 08 Weeks

Introduction to Petroleum Engineering

E-Learning Development Fund (2026)

- Free Online Course= 06 Weeks
- **Seismology Skill Building Workshop**
- **EarthScope Consortium (2025)**
 - Free Online Course= 12 Weeks
- **Intro to GMT for Geophysics**
- **EarthScope Consortium (2025)**
 - Free Online Course= 04 Weeks
- **Tiktok and Instagram for Geocom**
- **Geologize LTD (2025)**
 - Free Online Course= 02 Weeks
- **Practical Geocommunication 3.0**
- **Geologize LTD (2025)**
 - Free Online Course= 02 Weeks

Seismic Interpretation Techniques in Oil and Gas Exploration

Bahria University, Islamabad (2024)

- One-day workshop

Oil and Gas Industrial Practices

PetroleumEngineering Association (2022)

Seven days online course

Remote Sensing & GIS Fundamentals

EDvantage India Resources Private Limited (2022)

- Two days' online course

Mountains 101 (Coursera)

University Of Alberta, Canada (2021)

- Free Online Course= 12 Weeks

Extreme Geologic Events (Futurelearn)

Cardiff University, UK (2021)

- Free Online Course= 3 Weeks

Steps in Construction (futurelearn)

Cityand Guilds Group, UK (2021)

- Free Online Course= 2 Weeks

Paleontology, Early Marine Reptiles (Coursera)

University of Alberta, Canada (2021)

- Free Online Course= 4 Weeks

Paleontology, Early Vertebrate Evolution (Coursera)

University of Alberta, Canada (2021)

- Free Online Course= 4 Weeks

Seismic Data Acquisition Workshop

University of Sindh, Jamshoro (2016)

- 4 days' workshop with one-day field trip