

CURRICULUM VITAE

MUHAMMAD AZHAR FAROOQ SWATI

Lecturer, Department of Geology, University of Peshawar

Khyber Pakhtunkhwa (KP), Pakistan, Post Code: 25120

Ph. Nos. +92-91-921744 (Off)

E-mail: azhar@uop.edu.pk

ORCID: <https://orcid.org/0000-0001-5890-1985>

1. EDUCATION

DEGREE AND CERTIFICATES	INSTITUTION	YEAR	MAIN SUBJECTS
PhD (Geology)	University of Peshawar, Peshawar, Pakistan	2026	Stratigraphy and Sedimentology
MPhil (Geology)	University of Peshawar, Peshawar, Pakistan	2016	Stratigraphy/Biostratigraphy
M.Sc. Geology	University of Peshawar, Peshawar, Pakistan	2007	Geology
B.Sc (Hon) Geology	University of Peshawar, Peshawar, Pakistan	2006	Geology
F.Sc	BISE Peshawar, Peshawar, Pakistan	2003	Pre-Medical
SSC	BISE Peshawar, Peshawar, Pakistan	2001	Maths, Phys. Chem., Bio.

FIELD OF STUDY

- **PhD** from National Centre of Excellence in Geology (NCEG), University of Peshawar (2026), Pakistan entitled; ***PALAEOGENE SUCCESSION OF INDUS BASIN USING PALAEOCEANOGRAPHIC RECONSTRUCTION APPROACH***
- **Research Interest:** I developed my interest in stratigraphy, sedimentology, and micropalaeontology as they are extensively used in petroleum and mineral exploration along with the study of palaeoclimate conditions within the earth's history.

2. ADDITIONAL QUALIFICATION

- 2.1 Postgraduate Diploma in Geographic Information System (GIS)/Remote Sensing (RS) from the National Centre of Excellence in Geology (NCEG), University of Peshawar, under session 2008-2009.

3. JOB DESCRIPTION

- 3.1 Lecturer at Department of Geology, University of Peshawar on Permanent basis from 21st March 2009 to date
- 3.2 Lecturer at Department of Geology, University of Peshawar on Contract basis from 28th January 2009 to 20th March 2009
- 3.3 Lecturer at Department of Geology, University of Peshawar on Honorary basis from 18th December 2008 to 27th January 2009

4. ADMINISTRATION EXPERIENCE

- 4.1 Staff Proctor, University of Peshawar from November 22, 2010 to June 16, 2011.
- 4.2 In-Charge, Hostel Accommodation related to students of Department of Geology, University of Peshawar, since September 2009 onward.
- 4.3 Member, Disciplinary Committee, Department of Geology, University of Peshawar, October 2010 to January 2014.
- 4.4 In-Charge, Fresh admission to the Department of Geology, University of Peshawar from September 2012 onward.

5. RESEARCH SUPERVISED

- 5.1 2011-12: I have supervised BS Thesis research group on "Microfacies and Diagenetic Fabric of Lockhart Limestone, Gharamtun Village, North Pakistan"
- 5.2 2016-17: I have supervised a BS Thesis research group on "Petrography and Geochemical Analysis of Early Cambrian Hazira Formation, Southern Hazara, Pakistan: Implication for Provenance study"

6. TRAINING

PROFESSIONAL TRAINING

- 6.1 One-month Professional Competency Enhancement for Professional Teacher, Staff Training Institute (STI), University of Peshawar, KPK, Pakistan from June 2011 to July 2011

7. CONFERENCES AND WORKSHOPS

7.1 ATTENDED:

- 7.1.1 2009: "Workshop on Hydrocarbon Exploration Techniques Using Surface Geology, Subsurface Seismic, and Well Data". Organized by Department of Geology, University of Peshawar in collaboration with Pakistan Association of Petroleum Geologists (PAPG) at Baragali Summer Campus, University of Peshawar, in August 7-10, 2009.
- 7.1.2 2011: Workshop on "Geochemical and Geo-Informatics Tools for use in Mineral Exploration and Environment Degradation", sponsored by Higher Education Commission (Pakistan), University of Houston (USA) and US Department of State (USA) held in National Center of Excellence in Geology, University of Peshawar June 2-3, 2011.
- 7.1.3 2012: Workshop on "Peace and Conflict Resolution in 21st Century" organized by Staff Training Institute (STI), University of Peshawar between March 15-17, 2012.
- 7.1.4 2012: Workshop on "Effective Professional Communication" organized by Staff Training Institute (STI), University of Peshawar between May 16-19, 2012.
- 7.1.5 2012: "Earth Sciences Pakistan 2012", organized by National Centre of Excellence in Geology (NCEG) and Department of Geology, University of Peshawar at Baragali Summer Campus, University of Peshawar in June 23-24, 2012.
- 7.1.6 2013: International Conference on "Conventional and Unconventional Hydrocarbon Potential of Pakistan" organized by Department of Geology, University of Peshawar at Baragali Summer Campus, University of Peshawar between May 25-27, 2013.
- 7.1.7 2013: Technical Workshop-PAPG (Pakistan Association of Petroleum Geoscientists) Student Chapters on "Hydrocarbon Exploration Techniques" at Oil Institute of Science and Technology (OIST), Islamabad, Pakistan between October 4-7, 2013.
- 7.1.8 2014: International Conference on "Earth Sciences Pakistan-2014" organized by National Center of Excellence in Geology (NCEG), University of Peshawar at Baragali Summer Campus, University of Peshawar between August 29-31, 2014

7.2 PAPER PRESENTED:

- 7.1.1 2010: "Earth Sciences Pakistan 2010: New Developments". Organized by Department of Geology, University of Peshawar in collaboration with National Centre of Excellence in Geology (NCEG) at Baragali Summer Campus, University of Peshawar on September 20-22, 2010.

8. PROJECTS

8.1. Worked as a Project Assistant for eight months in "Geological Mapping in Tirah and Orakzai Block, FATA, Pakistan". The main responsibilities were to analyze the geological samples for sedimentology and biostratigraphy in a laboratory.

8.2. Worked as a Project Assistant for four months (August 2014 to November 2014) in "Geological Mapping, Biostratigraphy, Facies Depositional Modelling, Diagenesis, Source Rock Evaluation and Characterization of Cambrian-Eocene Rocks of the Peshawar East Block, Khyber Pakhtunkhwa, Pakistan". The main responsibilities were to analyze the geological samples for sedimentology and biostratigraphy in laboratory.

9. LIST OF PUBLICATIONS

9.1 Local Journal Publications

Principal Author

- 1 **2013:** Biostratigraphy and depositional environments of the Early Eocene Margalla Hill Limestone, Kohala-Bala area, Haripur, Hazara Fold-Thrust Belt, Pakistan, **JHES 46(2) 2013, 65-77.**

- 2 **2014:** Diagenetic Fabric and Reservoir Characterization of the Margalla Hill Limestone Kohala-Bala Area, Haripur, Pakistan, **JHES 47(2), 2014, 49-61.**

Co-Author

- 3 **2014:** Lithofacies, Depositional Modeling and Sequence Stratigraphic Analysis of the Wargal Limestone: Implication for Reservoir Characterization in Salt Range, NW Pakistan, **JHES 47(1), 41-60.**

- 4 **2014:** Reservoir Potential of Amb Formation, Western Salt Range, Pakistan: Implication of the Diagenetic Evolution through Time, **JHES 47(2), 75-98.**

- 5 **2015:** Microfacies and Diagenetic Fabric of the Chorgali Formation in Bhuchal Kalan, Kallar Kahar, Salt Range, Pakistan, **JHES 48 (1), 14-25.**

- 6 **2015:** A preliminary account of the Middle Jurassic plays in Najafpur Village, southeastern Hazara, Khyber Pakhtunkhwa, Pakistan, **JHES 48 (1), 41-49.**

- 7 **2015:** Facies analysis, depositional model and sequence stratigraphy of the Upper Permian Chhidru Formation, Salt Range, Upper Indus Basin, Pakistan, **JHES 48(1), 64-80.**

9.2 International Journal Publications

Principal Author

8. **2021:** Late Palaeocene to Early Eocene biostratigraphic framework from Upper Indus Basin, Pakistan, Eastern Tethys. Geological Journal, 56: 3541–3556.
<https://doi.org/10.1002/gj.4114>

9. **2025:** Swati, M. A. F., & Hanif, M. Biostratigraphy, Microfacies, and Palaeoenvironmental Dynamics of the Early Eocene Dungan Formation, Pakistan: implications for the Carbonate Ramp Evolution and Larger Foraminiferal Extinction and Origination Event (LFEO) during Global Warming. Carbonates and Evaporites, 40(3), 119. doi:10.1007/s13146-025-01145-6

Co-Author

10. **2021:** A multi-proxy based high-resolution stratigraphical analysis of the possible Palaeocene–Eocene boundary interval, Salt Range, Pakistan. Geological Journal, 56: 434–456. <https://doi.org/10.1002/gj.3912>

11. **2020:** Sedimentological attributes of the Middle Jurassic peloids-dominated carbonates of eastern Tethys, lesser Himalayas, Pakistan. Carbonates Evaporites 35, 123 (2020).
<https://doi.org/10.1007/s13146-020-00662-w>

12. **2021:** Insight to the geological character of the Early Triassic strata in the Western Salt Range, Pakistan: A comparative study. Geological Journal, 56(9), 4667–4684.
<https://doi.org/10.1002/gj.4204>

10. MEMBERSHIP

10.1 Pakistan Association of Petroleum Geoscientist (PAPG); since 2009 (Membership ID: 192001035): PAPG is a local chapter of the American Association of Petroleum Geologists (AAPG), a world largest geologist forum, which has over 30,000 members in 116 countries.

11. CO-CURRICULAR ACTIVITIES

- 11.1 Being a teacher at the University of Peshawar, we supervise students in various humanitarian activities such as blood donation, flood relief as well as other disaster management.

- 11.2 I am being a faculty member in the department, voluntarily organize seminars on various topics that benefit the student in building their career, not only in the academic arena also in the social circle.

- 11.3 I also voluntarily contribute to the "Welfare Fund" of the University of Peshawar for financial support of needy students.

12. REFERENCES:

- 12.1 Dr. Muhammad Hanif, Associate Professor, National Center of Excellence (NCE) in Geology, University of Peshawar, Khyber Pakhtunkhwa, 25130, Pakistan: Email: mhanif_nceg@uop.edu.pk
- 12.2 Dr. Suleman Khan, Associate Professor, Department of Geology, University of Peshawar, Khyber Pakhtunkhwa, 25120, Pakistan: Email: sulemanafri@uop.edu.pk
- 12.3 Dr. Sajjad Ahmad, Associate Professor, Department of Geology, University of Peshawar, Khyber Pakhtunkhwa, 25120, Pakistan: Email: dr.s_ahmed@uop.edu.pk