CURRICULUM VITAE

MUHAMMAD AZHAR FAROOQ SWATI

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1. EDUCATION

DEGREE AND CERTIFICATES	INSTITUTION	YEAR	DIV.	MAIN SUBJECTS
MPhil	University of Peshawar	2016		Stratigraphy/Biostratigraphy
M.Sc. Geology	University of Peshawar	2007	1 st	Geology
B.Sc (Hon)-Geology	University of Peshawar	2006	1 st	Geology
F.Sc	BISE Peshawar	2003	1 st	Pre-Medical
SSC	BISE Peshawar	2001	1 st	Maths, Phys. Chem., Bio.

FIELD OF STUDY

- **MPhil** from National Centre of Excellence in Geology (NCEG), University of Peshawar for the session 2016, entitled; *FORAMINIFERAL RESPONSE TO THE LATE PALAEOCENE-EARLY EOCENE GLOBAL WARMING: A CASE STUDY OF CHINJANA NALA, SURGHAR RANGE, PAKISTAN.*
- **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 regular basis from 21st March 2009 to date

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.

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

- 1. Swati, M. A. F., Haneef, M., Ahmad, S., Naveed, Y., Zeb, W., Akhtar, N., Owais, M. (2013). Biostratigraphy and depositional environments of the Early Eocene Margalla Hill Limestone, Kohala-Bala area, Haripur, Hazara Fold-Thrust Belt, Pakistan. Journal of Himalayan Earth Sciences, 46(2), 65.
- Khan, S., Ahmad, S., Hanif, M., Jan, I.U., Swati, M.A.F., Khan, S., Saboor, A. (2014). Lithofacies, paleoenvironments and sequence stratigraphic modelling of the Wargal Limestone: Implication for reservoir characterization in the Salt Range, northwest, Pakistan, Journal of Himalayan Earth Sciences, 47(1), 41-60.
- 3. Swati, M. A. F., Haneef, M., Ahmad, S., Naveed, Y., Zeb, W., Akhtar, N., Owais, M. (2014). Diagenetic analysis of the Early Eocene Margala Hill limestone, Pakistan: A synthesis for thin section porosity, Journal of Himalayan Earth Sciences, 47(2), 49-61.
- Sadiq, I., Ahmad, S., Hanif, M. Ali, F., Latif, K., Swati, M.A.F., Saboor, A., Hussain, H.S., Jan, I.U., Ali, F. (2014). Implication of the diagenetic evolution for the diagnosis of reservoir potential of the Amb Formation, western Salt Range, Pakistan, Journal of Himalayan Earth Sciences, 47(2), 75-98.
- 5. Jamal, T., Azhar, R., Haneef, M., Saboor, A., Ali, N., **Swati, M.A.F.,** Uddin, Z. **(2015).** Microfacies and Diagenetic Fabric of the Chorgali Formation in Bhuchal Kalan, Kallar Kahar, Salt Range, Pakistan, Journal of Himalayan Earth Sciences, 48 (1), 14-25.
- Saboor, A., Ali, F., Ahmad, S., Haneef, M., Imraz, M., Ali, N., Swati, M.A.F., Zahid, M., Sadiq, I. (2015). A preliminary account of the Middle Jurassic plays in Najafpur Village, southeastern Hazara, Khyber Pakhtunkhwa, Pakistan, Journal of Himalayan Earth Sciences, 48 (1), 41-49.
- Ahmad, S., Waqas, M., Khan, S.S., Swati, M.A.F., Jan, I.U., Ali, F., Yaqoob, M., Sadiq, A., Khan, S., Rehman, I. (2015). Facies analysis and dynamic depositional modelling of the Upper Permian Chhidru Formation, Salt Range, Upper Indus Basin, Pakistan, Journal of Himalayan Earth Sciences, 48(1), 64-80.

9.2 International Journal Publications

- Hanif, M., Sabba, M., Ali, N., Rahman, M. U., Ali, F., Swati, M. A. F. (2020). A multi-proxy based high resolution stratigraphical analysis of the possiblePalaeocene–Eocene boundary interval, Salt Range, Pakistan. Geological Journal. 1–23. https://doi.org/10.1002/gj.3912 (2019: IF 1.595)
- Saboor, A., Haneef, M., Hanif, M., Swati, M. A. F. (2020). Sedimentological attributes of the Middle Jurassic peloids-dominated carbonates of eastern Tethys, lesser Himalayas, Pakistan. Carbonates and Evaporites, 35, 123-140. https://doi.org/10.1007/s13146-020-00662-w (2019: IF 1.415)
- Swati, M.A.F., Hanif, M., Haneef, M., Saboor, A. (2021: under review). Late Palaeocene to Early Eocene Biostratigraphic framework from Upper Indus Basin, Pakistan, East Tethys: Paper Submitted to Geological Journal (2019: IF 1.595)
- Swati, M.A.F., Hanif, M., Haneef, M., Saboor, A. (2021: under review). Palaeobathymetry of the late Thanetian-early Ypresian Interval based on Foraminifera, Sub-Himalayas, Pakistan. Paper Submitted to Arabian Journal of Geosciences (2019: IF 1.327)

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. Irfan Ullah Jan, Associate Professor, National Center of Excellence (NCE) in Geology, University of Peshawar, Khyber Pakhtunkhwa, 25130, Pakistan: Email: Irfan_nceg@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