CURRICULUM VITAE

DR. SUBHAN ULLAH

Contact Information

Designation: Lecturer

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Competency Statement

- Devoted and passionate professional with exceptional organizational skills in teaching, research, and project management. Proficient in developing innovative research ideas for academic and commercial purposes. Dedicated to fostering opportunities for students, colleagues, and teammates through effective and gentle communication.

Research Interests

My current research interests include:

- **Engineering Geology**: Assessing the geotechnical properties of rocks for engineering applications.
- **Sedimentary Petrology**: Understanding the composition, texture, and diagenesis of sedimentary rocks.

Work Experience

- **Lecturer in Geology,** University of Swat
  13th October 2020 – Present
- **Semester Coordinator (BS-Geology)**, University of Swat
  Tenure: 2 years and 5 months
  - Coordinated semester schedules, curricula, and student progress.
- **Visiting Faculty**, University of Swat

  Tenure: 4 years
  - Delivered lectures and supervised BS Geology research groups.
- **Research Assistant**, University of Peshawar
  - Contributed to the project: “Sedimentological Investigations of Pariwali Oil Field, Pakistan”.

Academic Qualifications

- **PhD (Geology)**, National Centre of Excellence in Geology, University of Peshawar (2019-2025)
  Thesis: "Geotechnical Assessment of Carbonate Rocks based on Textural Characteristics from the Upper Indus Basin, Pakistan"
- **MS (Geology)**, National Centre of Excellence in Geology, University of Peshawar (2015-2018)
  Thesis: "Sequence Stratigraphy of the Early Permian Warchha Sandstone and Sardhai Formation, Salt Range, Pakistan"
- **BS (Geology)**, Department of Geology, University of Peshawar (2010-2014)

Thesis: "Integrated Sequence Stratigraphic Framework of Carboniferous to Permian Nilawahan Group, Salt Range, Pakistan"

Thesis & Students Supervision

Completed Projects:

1. Microfacies and Paleoenvironmental Analysis of the Paleocene Lockhart Limestone, Khanpur Dam Section, District Hazara, Khyber Pakhtunkhwa, Pakistan (BS Geology. Session: 2014-2018 / Azmat Ali, Adil Ibrahim, Zia ur Rahman, Farman Ullah, Sadiq Akbar, Luqman Hakeem, & Ijaz Ul Haq).
2. Petrography and Physico-Mechanical Properties of Swat Granitic Gneisses, Charrat Malakand Area, Northern Pakistan (BS Geology. Session: 2015-2019 / Maaz Khan, Asad Ullah, Muhammad Bilal, Zia Ullah, Murad Ali, & Waqas Husain)
3. Microfacies Analysis of the Paleocene Lockhart Limestone, Nathia Gali Section, Southeastern Hazara, Khyber Pakhtunkhwa, Pakistan (BS Geology. Session: 2016-2020 / Hamza Zeb, Sikandar Khan, Haroon Khan, Gran Khan, Hina Khan, Muheeb Ahmad, & Muhammad Naveed Alam).
4. Paleoenvironmental Analysis of the Eocene Margalla Hill Limestone, Kahi Road Section, Nizampur Basin, Pakistan (BS Geology. Session: 2017-2021 / Muhammad Saqib Quraishi, Majid Khan, Bilal Ahmad, Ghazanfar Ali, Abrar Ali, Syed Asif Shah, & Imran Ali).
5. Sedimentological Investigations of the Eocene Carbonates, Exposed in the Nizampur Basin, Khyber Pakhtunkhwa, Pakistan (BS Geology. Session: 2018-2022 / Lal Meer Khan, Ijaz Ahmad, Kifayat Ullah, Khan Zeb, Noman Ali, Muhammad Usama, Nawab Ali, & Malak Asad Khan).

6. Petrographic and Geotechnical Assessment of the Permian Amb Formation, Salt Range, Upper Indus Basin, Pakistan (BS Geology. Session: 2021-2025 / Fahad Said, Maaz Ullah, Mushtaq Ahmad, Abbas Khan, & Amjad Ali).
7. Petrographic and Geotechnical Assessment of Granitoid Rocks from the Shahi Bagh Area, Northern Pakistan (BS Geology. Session: 2021-2025 / Muhammad Uzair, Muhammad Rafiq, Saad Khan, Sami Ur Rahman, Shams Ul Haq, & Inayatullah).

Courses Taught

- Sedimentology
- Engineering Geology
- Geomorphology
- Stratigraphy
- Paleontology
- Geophysics
- Sequence Stratigraphy
- Petroleum Geology
- Hydrogeology
- Environmental Geology

Distinctions

- Availed **2nd position** in the order of merit in BS Geology (Session 2010-2014)

Publications

1. **Ullah, S.,** Sajid, M., Latif, K., Asif, A. R., & Muhammad, R. (2026). Impact of thermal damage on the physical and mechanical properties of carbonate rocks. *Geotechnical and Geological Engineering, 44*(20), 1-20.
2. **Ullah, S.,** Sajid, M., Latif, K., Asif, A. R., Rizwan, M., Mussawar, U., & Ullah, S. (2025). Investigation of depositional fabric and its impact on the geomechanical behavior of limestones. Carbonates and Evaporites, 40(6), 1-21
3. Ahmad, S., Shah, M. T., Sajid, M., Asif, A. R., **Ullah, S.,** Rizwan, M., Hashmi, S. I., Mussawar, S., Hussain, S. S., & Hussain, H. S. (2025). Mineralogical and textural controls on the mechanical behavior of sandstones from the Nizampur and Kohat Basins, Pakistan. *Acta Geodynamica et Geomaterialia, 22*(4), 485–500.
4. Ahmad, S., Shah, M. T., Sajid, M., Asif, A. R., **Ullah, S.,** Rizwan, M., & Rahman, T. U. (2025). Geotechnical and petrographic assessment of the Hisartang Formation: A case

study from the Nizampur Basin, Pakistan. *Spectrum of Engineering Sciences, 3*(9), 304–318.

5. Ahmad, T., Rizwan, M., Hussain, Z., **Ullah, S.,** Ali, Z., Khan, A., ... & Khan, H. A. (2021). Mineralogical and textural influence on physico-mechanical properties of selected Granitoids from Besham Syntaxis, Northern Pakistan. Acta Geodynamica et Geomaterialia, 18(3).
6. Ullah, R., Ullah, S., Rehman, N., Ali, F., Asim, M., Tahir, M., **Ullah, S.,** & Muhammad, S. (2020). Aggregate suitability of the late Permian Wargal limestone at Kafar Kot Chashma area, Khisor range, Pakistan. International Journal of Economic and Environmental Geology, 11(1), 89-94.
7. Ahmad, S., Ullah, M., **Ullah, S.,** Khan, S., Khan, Y., Jan, I. U., ... & Jan, S. (2018). Stratigraphic and Paleoclimatic Reconstruction of the Upper Carboniferous-Lower Permian strata from the Southern Gondwanaland remnants in Pakistan. Stratigraphy, 15(2).

Under Review/Submitted Papers

1. **Ullah, S.,** Sajid, M., Latif, K., Asif, A. R., Rizwan, M., & Mussawar, U. (2026). Reassessing Texture Coefficient: Evaluating Its limitations in determining Engineering Properties of Carbonate Rocks. (Acta Geotechnica).
2. **Ullah, S.,** Said, F., Rizwan, M., Ibrar, M., Asif, A. R., Ullah, M., Mussawar, U., Ahmad, M., Khan, A., & Ali, A. (2025). Role of Textural Heterogeneity in Controlling the Geotechnical Properties of the Amb Formation, Upper Indus Basin, Pakistan. (Earth Sciences Research Journal).

Published Conference Proceedings and Abstracts

1. **Ullah, S**., Sajid, M., & Latif, K. (2025). Geotechnical Comparison Between Limestone and Dolostone from the Upper Indus Basin, Pakistan. 4th International Conference on Sustainable Utilization of Natural Resources, February 19–20, 2025. Journal of Himalayan Earth Sciences, 50.
2. **Ullah, S.,** Jan, I. A., Hussain, S., Mussawar, U., & Khan, A. (2018). Palynofacies-Based Paleoenvironmental Setting of the Middle Permian (Wordian) Sardhai Formation, Salt Range, Pakistan. International Conference on Earth Sciences Pakistan, August 11–13, 2018. Journal of Himalayan Earth Sciences, 94.
3. **Ullah, S.,** Ullah, M., Ahmad, S., Khan, Y., Khan, A., Jan, S., & Mussawar, U. (2016). Integrated Sequence Stratigraphic Framework of Warchha Sandstone and Sardhai Formation, Salt Range, Pakistan. 2nd International Conference on Sustainable Utilization of Natural Resources, October 3, 2016. Journal of Himalayan Earth Sciences, 38.
4. Jan, I. U., **Ullah, S**., Hussain, H. S., Ahmed, S., & Mussawar, U. (2018). Transgressive-Regressive Sequence Model of the Early Permian (Artinskian) Warchha Sandstone, Salt Range, Pakistan. Abstract Volume, 3rd International Conference on Emerging Trends in Engineering, Management, and Sciences.

5. Ullah, M., **Ullah, S.,** Khan, A., Jan, S., & Khan, Y. (2016). Integrated Sequence Stratigraphic Framework of Tobra and Dandot Formations, Salt Range, Pakistan. International Conference on Earth Sciences Pakistan, July 15–17, 2016. Journal of Himalayan Earth Sciences, 154.
6. Ullah, M., **Ullah, S.,** Hanif, M., Mussawar, U., Khan, M. A. A., Rehman, N., & Khan, Z. (2016). Two Groundwater Scenarios: A Case Study from Waligai Region, Bannu Depression, Pakistan. 2nd International Conference on Sustainable Utilization of Natural Resources, October 3, 2016. Journal of Himalayan Earth Sciences, 44.
7. Mussawar, U., Hanif, M., Mussadiq, M., Ullah, M., & **Ullah, S.** (2016). Mass Extinction Events: Paleoclimatology of the Paleocene-Eocene Thermal Maximum (PETM). 2nd International Conference on Sustainable Utilization of Natural Resources, October 3, 2016. Journal of Himalayan Earth Sciences, 7.
8. Mussawar, U., **Ullah, S.,** Khan, M. A. A., Idrees, M., Shah, F., & Khan, S. (2018). Palynology of the Rhythmite Deposits of Peshawar Basin, NW Pakistan. International Conference on Earth Sciences Pakistan, August 11–13, 2018. Journal of Himalayan Earth Sciences, 52.
9. Rafiq, S., Yousaf, Ahmad, I., Akbar, S., Majid, A., Saboor, A., Ullah, M., & **Ullah, S.** (2016). Sedimentology of Lumshiwal Formation in Kahi Section, Nizampur Basin, Pakistan. 2nd International Conference on Sustainable Utilization of Natural Resources, October 3, 2016. Journal of Himalayan Earth Sciences, 55.

References

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