

Mohibullah

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RESEARCH INTERESTS

Research work includes: the systematic, biostratigraphic, palaeoenvironmental/palaeoecological and biogeographical interpretation of ostracods foraminifera, and carbonate microfacies analysis.

EDUCATION

- 2008-2012: PhD in Geology from the University of Leicester, UK.
- 2005-2007: M.Sc (Geology), Department of Geology, University of Peshawar, Pakistan.

PROFESSIONAL HISTORY

- **11-07-2020 to date:** Tenured Associate Professor, Department of Geology, University of Balochistan, Quetta, Balochistan, Pakistan.
- **02-01-2014 to 11-07-2021:** Assistant Professor, Department of Geology, University of Balochistan, Quetta, Balochistan, Pakistan.
- **25th June, 2007 to 02-01-2014:** Lecturer, Department of Geology, University of Balochistan, Quetta, Balochistan, Pakistan.

PUBLICATIONS

- Ali, N., Hanif, M., **Mohibullah, M.**, Khan, A., Orakzai, Hashmi, S.I. 2025. On the Transition From Remnant Tethys Sea to Foreland Basin During the Late Paleogene in the Western Himalayas, Pakistan. Geological Journal. *In Press*.
- Zaman, B.U., **Mohibullah, M.**, Manan, R.A., Kassi, A.M., Rizwan, M. 2024. Detailed sedimentological investigation of the late cretaceous Fort Munro Formation, western Sulaiman Range, Pakistan. Carbonates and Evaporites 39, 55. <https://doi.org/10.1007/s13146-024-00965-2>
- Ahmad, S., Ahmad, F., Raza, S., Khan, S., Wadood, B., **Mohibullah M.** 2024. Litho- and biostratigraphy and hydrocarbon source-rock potential of the Jurassic–Paleogene strata in the Kala Chitta Range, northwestern Himalayas, Pakistan. Petroleum Geoscience, 30 (1): petgeo2022–075. doi: <https://doi.org/10.1144/petgeo2022-075>
- Alam, S., **Mohibullah, M.**, Kasi, A.K., Abdullah, A., Hussain, T.M., Thebo, G.M., 2023. Microfacies analysis, Depositional Environment and Biostratigraphy of the Early Eocene Dungan Formation, Kohlu area Balochistan, Pakistan. Journal of Himalayan Earth Sciences, 56, 89-104.

- Abdullah, A., **Mohibullah, M.**, Kasi, A.K., Alam, S., Haq, E. 2023. Microfacies and Depositional Settings of the Eocene Nisai Formation, Pishin Belt, Pakistan. *Journal of Himalayan Earth Sciences*, 56, 11-32.
- Saba, M., Hanif, M., **Mohibullah, M.**, Ullah, S., Ishaq, M., Ghani, M. 2023. Planktonic foraminiferal biostratigraphy and palaeobiogeography of the Albian–Turonian succession from the Sulaiman Range, Pakistan. *Geological Journal*, 58, 1293-1323. <https://doi.org/10.1002/gj.4660> (impact Factor; 2.128; W category according to HJRS).
- Ghani, M., Ullah, R., Raynold, R., **Mohibullah, M.**, Kakar, M.I. 2022. Museum of Earth Sciences of the Geological Survey of Pakistan (MESGSP): a Potential Geotourism Attraction. *Geoheritage*, 14, 106, <https://doi.org/10.1007/s12371-022-00741-5>.
- Saboor, A., Wang, C., Li, Y., Xi, C., Wang, L., Jafarian, A., Hanif, M. & **Mohibullah, M.** 2022. The physical and geochemical character of the post-depositional alterations in the Early-Middle Jurassic carbonates on the western margin of the Indian Plate: Implications for cement morphologies and dolomitization. *Geological Journal*, 57, 3781-3801. <https://doi.org/10.1002/gj.4515>. (impact Factor; 2.128; W category according to HJRS).
- Ullas, S., Jan, I.U., Hanif, M., Latif, K., **Mohibullah, M.**, Sabba, M., Anees, A., Ashraf, U., Thanh, H.V. 2022. Paleoenvironmental and Bio-Sequence Stratigraphic Analysis of the Cretaceous Pelagic Carbonates of Eastern Tethys, Sulaiman Range, Pakistan. *Minerals*, 12(8), 946; <https://doi.org/10.3390/min12080946> (registering DOI) (Impact factor 2.88. W category according to HJRS)
- Ali, F., Zhang, S., Abbas, S., Hanif, M., Zhang, Y., & **Mohibullah, M.** (2022). Discovery of the Lower-Middle Jurassic high potential source rocks based on the geochemical investigation from the Indus Basin, Pakistan. *Journal of Petroleum Science and Engineering*, 208, 109374. (Impact Factor 4.346; W category according to HJRS).
- Ali, F., Zhang, S., Hanif, **M.**, **Mohibullah, M.**, Zhang, Y., Usman, M., ... & Huang, D. 2022. Geochemical investigation of low latitude black shale intervals of the Lower to Middle Jurassic succession, Indus Basin, Pakistan. *Frontiers of Earth Science*, 1-19. (Impact Factor 3.03; X category according to HJRS).
- Ullah, S., Ali, N., Latif, K., Iqbal, S., Tahir, M., Hussain, H. S., ... & **Mohibullah, M.** 2022. Paleoenvironments and sequence stratigraphy of the Early Jurassic Datta Formation, Chichali Nala, Surghar Range, Pakistan. *Himalayan Geology*, 43(1 A), 111-121. (Impact Factor 1.311; X category according to HJRS).
- Zahir, M., Awais, M., Ghani, M., **Mohibullah, M.**, Hersi, O.S., Jan, I.u., Ahmad, S., Iqbal, H. 2021. Reservoir Quality Assessment of the upper Permian Chhidru Formation, Salt Range, Pakistan. *Acta Geologica Sinica*, 95, 2120-2137. Impact Factor, 1.88 (X-category according to HJRS)
- Latif, K., Hanif, M., Shah, S.A., Jan, I.U., Khan, M.Y., Iqbal, H., Khan, A., Siyar, S.M., **Mohibullah, M.** 2021. Source rock potential assessment of the Paleocene coal and coaly shale in the Attock-Cherat Range of Pakistan. *Journal of*

Petroleum Exploration and Production Technology, 11, 2299–2313.

<https://doi.org/10.1007/s13202-021-01172-8> Impact Factor, 2.077 (X-category according to HJRS).

- Ahmed, F., Kasi, A.K., **Mohibullah, M.**, Manan, R.A., 2021. Petrology and Geochemistry of the Late Cretaceous Pab Formation, Western Sulaiman Fold-Thrust Belt, Pakistan: Implications for Provenance and Paleo-Weathering. *Journal of Mountain Area Research*, 6, 45-63. (Y-Category Journal according to HJRS).
- Ismail, M., Kasi, A.K., Manan, R.A., **Mohibullah, M.** Ahmed, N. 2020. Detrital Modes in Lower Mesozoic sandstone of the Wulgai Formation (Pakistan): Implications for Provenance, *Journal of Himalayan Earth Sciences*, 53, 54-51.
- Babar, N., **Mohibullah, M.**, Kasi, A.K., Ali, N., Khan, A. 2018. Foraminiferal Biostratigraphy of the Eocene Kirthar Formation, western Sulaiman Fold-Thrust Belt, Balochistan, Pakistan *Journal of Himalayan Earth Sciences*, 51, 66-77.
- Uddin, N., Babar, N., Mohibullah, M., Kasi, A.K., Khan, M., Ghani, M. 2019. Biostratigraphy of the Kirthar formation, Mach area, Sulaiman fold-Thrust Belt, Balochistan, Pakistan. *Bahria University Research Journal*, 4, 1-6.
- Kasi, A. K., Kassi, A. M., Umar, M., Friis, H., **Mohibullah, M.**, & Manan, R. A. 2018. A Paleogeographic and Depositional Model for the Neogene Fluvial Succession, Pishin Belt, Northwest Pakistan: Effect of Post Collisional Tectonics on Sedimentation in a Peripheral Foreland Setting. *Acta Geologica Sinica-English Edition*, 92(2), 499-518.
- Rehman, H., **Mohibullah, M.**, Kasi, A.K., Hussain, H.S. 2018. Foraminiferal Biostratigraphy of the Dungan Formation, Harnai area, western Sulaiman Fold-Thrust Belt, Pakistan. *Journal of Himalayan Earth Sciences*, 51, 34-43.
- Muhammad, B., Khan, S., **Mohibullah, M.**, Kasi, A.K., Jan, I.U., Ghani, M. 2018. Planktonic foraminiferal biostratigraphy and depositional setting of the Cretaceous Parh Limestone, Quetta, western Sulaiman Fold-Thrust Belt, Balochistan, Pakistan. *Journal of Himalayan Earth Sciences*, 51, 8-23.
- Ahmad, S., Ullah, M., Ullah, S., Khan, S., Khan, S., Jan, I.U., Rehman, K., **Mohibullah, M.**, Attaullah, and Jan, S. "Stratigraphic and Paleoclimatic. 2018. Reconstruction of the Upper Carboniferous-Lower Permian strata from the Southern Gondwanaland remnants in Pakistan." *Stratigraphy* 15, 69-90.
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- Kasi, A.K., Kassi, A.M., Friis, H., Umar, M., **Mohibullah, M.**, Kakar, M.I. 2016. Detrital Mode and Whole-Rock 1 Geochemistry of the Neogene Fluvial Succession, Pishin Belt, Pakistan: Implications on Provenance and Source Area Weathering in peripheral foreland basins. *Arabian Journal of Geosciences*.
- Kakar, M. I., Mahmood, K., Arif, M., Khan, M., Kerr, A. C., **Mohibullah, M.**, & Kasi, A. K. (2015). Petrology and geochemistry of mafic dykes from the Muslim Bagh Ophiolite (Pakistan): implications for petrogenesis and emplacement. *Turkish Journal of Earth Sciences*, 24(2), 165-178.
- **Mohibullah, M.**, Williams, M. & Zalasiewicz, J.A. 2014. Late Ordovician ostracods of the Girvan District, south-west Scotland. *Monograph of the Palaeontographical Society* London: pp. 1–40, pls 1–6.

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- **Mohibullah, M.**, Williams, M., Vandenbroucke, T.R.A., Sabbe, K. & Zalasiewicz, J. 2012. Marine Ostracod Provinciality in the Ordovician of Palaeocontinental Laurentia and its Environmental and Geographical Expression. *PlosOne*, e41682. doi:10.1371/journal.pone.0041682
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- Ghobadi Pour, M., **Mohibullah, M.**, Williams, M., Popov, L.E., Tolmacheva, T.Yu. 2011. New, early ostracods from the Ordovician (Tremadocian) of Iran: systematic, biogeographical and palaeoecological significance. *Alcheringa*, 35, 517-529.
- **Mohibullah, M.**, Afzal, J., Williams, M., Meidla, T., Siveter, D.J. & Zalasiewicz, J.A. 2010. Ostracods from Upper Ordovician (Katian) carbonate lithofacies in southwest Scotland. *Geological Magazine*, 147, 919-939.

Abstracts

- **Mohibullah, M.**, Afzal, J., Williams, M., Meidla, T., Siveter, D.J. & Zalasiewicz, J.A. 2009. Upper Ordovician Ostracods from carbonate lithofacies in southwest Scotland. **53rd Annual Meeting,, 13th- 16th December, 2009. Pp.64.**
- **Mohibullah, M.**, Williams, M., Ghobadi Pour, M., Popov, L.E & Tolmacheva, T. Yu. 2010. Early ostracods from the Ordovician (Tremadocian) of Iran. **The Palaeontological Association 53thAnnual Meeting,, 17th- 20th December, 2010. Pp.62.**
- **Mohibullah, M.**, Williams, M., Meidla, T., Siveter, D.J. & Zalasiewicz, J.A. and Tilley L.J.2010. Response of the Laurentian ostracod Fauna to global climate change during the early Palaeozoic icehouse. **International Palaeontological Congress 3, Meetings and Abstracts, June 2010. Pp. 585.**
- Rehman, K., Ullah, R., Jan, M.Q., and **Mohibullah, M.** 2022. Seismological and field observations regarding the Harnai earthquake (October 07, 2021, Mw = 5.9), Balochistan, SW Pakistan. **6th Int. Conf. Earth Sci. Pakistan, 25-27 June, 2022. Pp. 99.**

- Saba, M., Hanif, M., **Mohibullah, M.**, Ghani, M., Ullah, S., Ahmed, I. 2022. Integrated biostratigraphy and depositional environment of the Goru Formation, Sulaiman Fold-Thrust Belt, Lower Indus Basin, Pakistan. **6th Int. Conf. Earth Sci. Pakistan, 25-27 June, 2022. Pp. 103.**
- Ullah, S., Jan, I.U., Hanif, M., Latif, K., **Mohibullah, M.**, Sabba, M., Ghani, M., and Muslim, M. 2022. Paleoenvironmental and bio stratigraphic analysis of the Cretaceous pelagic carbonates of eastern Tethys, Sulaiman Range, Pakistan. **6th Int. Conf. Earth Sci. Pakistan, 25-27 June, 2022. Pp. 124.**

**MPhil Students
Supervised**

- **Syed Wajid Hanif Bukhari:** (Title) Biostratigraphy of the Nisai Formation, Pishin Belt, Balochistan, Pakistan.
- **Najeebullah Babar:** (Title) Biostratigraphy of the Kirthar Formation, Western Sulaiman Fold-Thrust Belt, Balochistan, Pakistan.
- **Baz Muhammad:** (Title) Planktonic Foraminiferal Biostratigraphy of the Parh Limestone, Western Sulaiman Fold-Thrust Belt, Balochistan, Pakistan.
- **Habib Rehman:** (Title) Foraminiferal Biostratigraphy of the Dungan Formation, Western, Sulaiman Fold-Thrust, Balochistan, Pakistan.
- **Nizamuddin:** (Title) Biostratigraphy of the Kirthar Formation, Bolan District, Balochistan, Pakistan.
- **Muhammad Zahir:** (Title) Diagenetic Evolution of Chhidru Formation and its impact on reservoir properties in the Upper Indus Basin, Pakistan.
- **Muhammad Bilal:** (Title) Shale Gas Potential of North Eastern part of Sindh Monocline, Lower Indus Basin, Pakistan.
- **Muhammad Faraz:** (Title) Prospect Evaluation, 3D Integrated Seismic Reflection Interpretation and Reservoir Characterization of SAWAN Gas Field.
- **Fawad Khan:** (Title) Integrated 2D Seismic Interpretation of Missa Keswal Area and Petrophysical Analysis of Missa Keswal Well 03 in Potwar Sub-Basin, Gujar Khan, Punjab Province, Pakistan.
- **Mehmood Raza:** (Title) Reservoir Characterization of Well 3, 7, 9 and 10, Miano Area, Lower Indus Basin, Pakistan.

- **Abdullah:** (Title) Carbonate Microfacies and Depositional Environment of the Nisai Formation, Pishin Belt, Balochistan, Pakistan.
- **Shams Ul Alam:** (Title) Carbonate Microfacies and Depositional Environment of the Dungan Formation, Kohlu and Barkhan areas Sulaiman Fold-Thrust Belt, Balochistan, Pakistan.
- **Shakeel Ahmed:** (Title) Biostratigraphy of the Eocene Nal Limestone, Nal and Wad areas, Balochistan, Pakistan.
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REFEREES

- Prof. Dr. Mark Williams, Department of Geology, University of Leicester, UK. mri@le.ac.uk.
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- Prof. Dr. Aimal Khan Kasi, Centre of Excellence in Mineralogy, University of Balochistan, Quetta, Pakistan. aimal_kasi@yahoo.co.uk