Curriculum Vitae (CV)

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Work Experience:

Position	Organisation	From	To	Remarks
Asst. Professor of Geology	Department of Higher Education, Govt. of Odisha	17.01 2018	Continuing	Posted at DDU, Keonjhar
Geologist	Geological Survey of India, Govt. of India	24.11.2014	16.01.2018	Worked at SU:CG, Raipur

Educational Qualifications:

Qualification	Institute/Board	Year of passing	CGPA/ %	Remarks
Ph.D	Indian Institute of Technology (ISM), Dhanbad	2022		Specialization in Structural Geology and Geochemistry
M.Sc Tech (Applied Geology)	Indian School of Mines, Dhanbad	2013	8.83/10	Gold Medalist
B.Sc Geology (Hons)	Dharanidhar (Auto) College, NOU	2010	88.00	Gold Medalist and Best Graduate

Awards and Academic Excellence

- Recipient of **Geological Society of America (GSA) Travel Grant Award, 2019** to deliver a paper in GSA Annual Meeting in Phoenix, Arizona, USA.
- Travel Grant to College Teachers for presenting papers in International Conference(s) by University Grants Commission, 2019.
- Goldschmidt 2022: Grant application (Waived Abstract Submission)
- Nominated as Expert Member representative of Odisha Bigyan Academy to the Zilla Bigyan Prasar Samiti for the District Keonjhar by Science & Technology Dept. Govt. of Odisha.
- Recipient of **Travel Grant Award, 2023 (**AUD 2000**)** IAS Conference, 2023, Perth, Australia
- **Best publication Award** for the year 2023 from Dharanidhar University, Keonjhar

Awards and Academic Excellence (During Student time)

- **AIR-1** both in Geologist and Hydrogeologist Examination 2012, conducted by UPSC.
- **Rank-1** in the post of Lecturer in Geology, conducted by OPSC, 2016.
- **Gold Medalist in M.Sc. Tech** (Applied Geology) from Indian School of Mines, Dhanbad.
- Recipient of coveted **Hayden Medal** from Mining, Geological & Metallurgical Institute of India (MGMI) for Applied Geology.
- Recipient of **Jawaharlal Nehru Memorial Book Award** from Jawaharlal Nehru Memorial Fund, New Delhi for Academic Excellence.

- **N.L. Sharma Gold Medal** for Best Student in Applied Geology from Indian School of Mines, Dhanbad.
- **Best Graduate and Gold Medalist in B. Sc.** from Dharani Dhar Autonomous College, North Orissa University.
- **Third Best Paper** award for the paper "Predicting evolution of Cambay basin from literature survey and present observations" at International Conference on Petroleum Science and Technology- 2014.
- Won National merit scholarship, ONGC Scholarship, NRTS, ISM MCM scholarship.
- Won **Outstanding Student Award** in the academic year 2009-10 at Dharani Dhar Autonomous College, NOU.
- **Among BEST 100** in Matriculation Examination conducted by Board of Secondary Education in the year 2005.

Publications

1. S.P. Mohanty and **P.K. Mishra**. "Greenalite - Chamosite composition, geothermometry and oxygen fugacity variations in pisolitic ironstone and carbonates of the Chilpi Group: implication on Paleoproterozoic seawater chemistry". Physics and Chemistry of Minerals; Vol. 50, 34, 2023. (https://doi.org/10.1007/s00269-023-01258-1)
2. **P.K. Mishra,** S.P. Mohanty, D. Mohanty and M. K. Mukherjee. "Phosphorous concentration in iron-rich rocks of the Chilpi Group, Bastar Craton, India: Implications on late Palaeoproterozoic seawater palaeo-productivity". Geological Magazine, 1-14, 2023. (https://doi.org/10.1017/S001675682300064X)
3. S.P. Mohanty and **P.K. Mishra**. "Petrography and geochemistry of the iron-rich rocks in the banded iron formation of the Chilpi Group, Central India: Implications on the level of oxygen in the Paleoproterozoic atmosphere before the "Proterozoic iron ore gap"". *Geochemistry, Vol. 83, 2023. (*https://doi.org/10.1016/j.chemer.2022.125943*).*
4. **P.K. Mishra and** S. Sahoo. "High productivity prior to the Great Oxidation Event: Insights from Archean and Paleoproterozoic Banded Iron Formations of India". In: Goldschmidt 2023, Lyon, France. (https://doi.org/10.7185/gold2023.18998).
5. **P.K. Mishra** and S.P. Mohanty. "Geochemical constraints on the origin and depositional setting of the Kabirdham banded iron formations, Chilpi Group, India". In: 6th IAS Conference, 2023, Perth, Australia.
6. B. Mahanta, U. Chakraborty, K. C. Sahoo, **P.K. Mishra**. "Energy Dependence on Fossil Fuels and the Need for Unconventional Energy in India". Journal of Geointerface, Vol., 2, 18-33, 2023.
7. **P.K. Mishra,** B.M. Behera, S.N. Mahapatro. "Clast size analysis of pseudotachylite co-existing with mylonite: Constraints on evolution of Mahanadi Shear Zone, Eastern Ghats Mobile Belt, India". *Journal of Earth System Science; Vol. 131, Issue. 2, 2022*, pp. 1-13 *(https://doi.org/10.1007/s12040-022-01856-7).*
8. **P.K. Mishra,** S.P. Mohanty, M. K. Mukherjee. "Low level of phosphorous concentration at the late Paleoproterozoic shallow seawater: Evidence from the BIF rocks of the Chilpi Group, Bastar Craton, Central India". In: Goldschmidt 2022, Honolulu, Hawaii, USA. 2022. (https://doi.org/10.46427/gold2022.9003).
9. **P.K. Mishra,** S.P. Mohanty. **"**Geochemistry of carbonate rocks of the Chilpi Group, Bastar Craton, India: Implications on ocean paleoredox conditions at the late Paleoproterozoic Era". *Precambrian Research; Vol. 353, 2021. (https://doi.org/10.1016/j.precamres.2020.106023).*
10. **P.K. Mishra**. "Rocks Remember! Mysteries of the Earth's Atmosphere- Unravelled from Rock Records of the Chilpi Group, Bastar Craton, Central India". *Geochronicle; Vol.6, 2020,* pp. 97-102.
11. **P.K. Mishra,** S.P. Mohanty. **"**Geochemical characteristics of carbonates of the Chilpi Group, India: Implications for Paleoproterozoic depositional environments". *Geological Society of America, 2019, Abstracts* (*https://doi:10.1130/abs/2019AM-331877).*

12. **P.K. Mishra,** "Curvy planar detachment plane: manifestation of deformation in Sargur Group and Peninsular Gneissic Complex (PGC), Dharwar Craton". *International Journal of Earth Sciences 107 (5), 2018,* pp. 1789-1790 (https://doi.org/10.1007/s00531-017-1546-x)
13. **P.K. Mishra**. "Rare Earth Element Characteristics of Carbonate Rocks of Chilpi Group: Evaluation for Detrital Contamination, Metamorphism, Diagenetic Alteration and Depositional Environment". (Abstract) In: National Seminar on Litho-, Hydro-, Bio- and Atmosphere in the Services of Mankind, 8-9 September, 2018, organized by the P.G. Department of Geology, Government College Sundargarh. Souvenir cum Proceedings, 2018. Volume, p.10.
14. B.M. Behera, V Thirukumaran, A. Soni, **P.K. Mishra,** T.K. Biswal. "Size distribution and roundness of clasts within pseudotachylytes of the Gangavalli Shear Zone, Salem, Tamil Nadu: An insight into its origin and tectonic significance". *Journal of Earth System Science; Vol. 126, Issue. 4, 2017,* pp. 1-14 (https://doi.org/10.1007/s12040-017-0827-x).
15. **P.K. Mishra,** B.M. Behera, T.K. Biswal. "Photograph of the Month". *Journal of Structural Geology; Vol. 88, 2016,* pp. iii-iv.
16. **P.K. Mishra**. "Iron Ore Deposits: Geological Setting, Genesis and Distribution". *Geochronicle; Vol.4, 2016,* pp. 21-30.
17. B.M. Behera, S. Balu, T.K. Biswal, **P.K. Mishra. "**Deformation history of Southern Granulite Terrane; A study of the mylonite and pseudotachylyte of the Salem Attur area, Tamil nadu, India". *Geological Society of America, 2015, Abstracts 47 (7).*
18. **P.K. Mishra**, T.K. Biswal, Rabi Bastia, Sumani Das. "Predicting evolution of Cambay basin from literature survey and present observations". *ICPST 2014 Conference, ISBN: 978-93-80689-21-0*, pp. 171-180.
19. **P.K. Mishra**, T.K. Biswal. "The Cambay basin and its likely formation in a strikes-lip regime". *IAGR Conference Series No.16, 2013*, pp. 107. (Abstract)
20. **P.K. Mishra**, R.M. Pradhan. "Fracture Stratigraphy: An overview". *Geochronicle*; Vol.II, 2013, pp. 25-31.
21. **P.K. Mishra**. "Composition of Mantle in the Light of Plate Tectonics". *Geochronicle*; Vol.I, 2012, pp. 18-21.

Apart from the above scientific publications, I have published more than 20 popular science articles in the leading odia papers like, The Sambad, The Dharitri and Odisha Bigyan Academy.

I hereby declare that the above mentioned information is true to the best of my knowledge and belief.

(Dr. P. K. Mishra)