

Curriculum-Vitae

Dr. SUYASH GUPTA, Ph.D. (Geology)

E-mail: suyashgupta2007@gmail.com; suyash.gupta@bsip.res.in

Mobile No.: +919721027513

Designation: Birbal Sahni Research Associate; March 2025- Present



Research Interest:

- ❖ Terrestrialization of land plants (both macro- and microfloral aspects) and their subsequent evolution in the Palaeozoic sequences of the Spiti Himalaya.
- ❖ Gondwana megafloristics and palynofloristics of Permian sequences in Peninsular India.
- ❖ Floral turnover patterns across the Permian–Triassic transition.

Ph.D. in Geology entitled as “Floristic evolution and biodiversity in the Late Palaeozoic sequences of Spiti Himalayas: palaeoenvironmental and palaeogeographical implication” from University of Lucknow, Lucknow under the supervision of Prof. Rameshwar Bali & Dr. Anju Saxena, Scientist-E, BSIP, Lucknow

Academic Qualifications:

Degree	University/ Board	Year
Ph.D. Geology	University of Lucknow, Lucknow	2023
M.Sc. Geology	University of Lucknow, Lucknow	2016
B.Sc.	University of Lucknow, Lucknow	2014
Intermediate	UP Board	2011
High School	UP Board	2009

Work Experiences:

- ❖ Birbal Sahni Research Associate: March 2025- Present
- ❖ Research Fellow: January 2024- February 2025
- ❖ Senior Research Fellow: September 2020- December 2023
- ❖ Junior Research Fellow: August 2018- August 2020.

Fellowships/Awards:

- ❖ **2025:** Selected as Birbal Sahni Research Associate.
- ❖ **2025:** Qualified for CSIR Research Associate (RA).
- ❖ **2020:** Senior Research Fellowship (SRF) by SERB-DST.
- ❖ **2019:** Qualified for CSIR-UGC NET Lectureship (All India Rank: 49).
- ❖ **2018:** Junior Research Fellowship (JRF) by SERB-DST.

Field Experiences:

Participated in multiple geological field excursions across various regions of India, focusing on geological mapping and fossil collection, particularly in the Higher Himalayas and key stratigraphic basins of India.

- ❖ Spiti Basin, Himachal Pradesh- Studied Palaeozoic strata for stratigraphic & palaeontological investigations.
- ❖ Son-Mahanadi Basin, Chhattisgarh - Conducted fieldwork on Permian Gondwana sequences in and around Manendragarh, with emphasis on lithostratigraphy and plant fossil collection.
- ❖ Vindhyan Supergroup, Uttar Pradesh- Undertook a geological excursion to Chitrakoot and surrounding areas to study the sedimentary successions and regional tectonics.
- ❖ Lesser Himalayas, Uttarakhand- Carried out fieldwork in Almora and nearby regions to explore the structural and lithological variations of the Lesser Himalayan terrain.
- ❖ Jaisalmer & Jodhpur, Rajasthan- Investigated the sedimentary rocks & stratigraphy of the western India.
- ❖ Jabalpur, Madhya Pradesh -Studied igneous, metamorphic, and sedimentary rocks in and around Jabalpur to understand regional geology and rock associations.

Membership of the Scientific Societies:

- ❖ Life member, The Palaeontological Society of India.

Computer Proficiency:

- ❖ Qualified for Course on Computer Concepts (CCC)
- ❖ Computer/Software skill includes C/C++, Microsoft Office (Word, Excel and Power Point), Adobe Photoshop,

Training Participated

- ❖ Role of Remote Sensing & GIS in Natural Resource Management.
- ❖ Himalayan Mapping Techniques in Spiti, Himachal Pradesh.
- ❖ Applied Biostratigraphy in Mineral and Hydrocarbon Exploration.
- ❖ Online GIS Training Program using QGIS.
- ❖ International Workshop on Advanced Micropaleontology.
- ❖ Archaeology Appreciation Course.

Research Publications:

ResearchGate: https://www.researchgate.net/profile/Suyash-Gupta-2?ev=hdr_xprf

Google Scholar: <https://scholar.google.com/citations?hl=en&authuser=1&user=fD1nBIUAAAAJ>

1. **Gupta, S.,** Saxena, A., Pillai, S. S. K., and Shabbar, H. (2025). Early Permian (Asselian) flora from the Talchir Formation, Son Basin, India: Biostratigraphical and palaeoenvironmental implications. *Palaeoworld*, 200944. **(Impact Factor: 1.7).**
2. Shabbar, H., **Gupta, S.,** Saxena, A., and Singh, K.J., (2025). Marine and Non-Marine Palynomorphs from the Ordovician Sequence of Takche Formation, Spiti, India. *Journal of Palaeontological Society of India*. (Accepted). **(Impact Factor: 0.6).**
3. Pillai, S.S.K., **Gupta, S.,** Shabbar, H., Saxena, A., Murthy, S., and Mathews R.P., (2025). Palaeofloristic studies from the early Permian Barakar sediments of Singrauli Coalfield, Son Basin, India. *Geophytology*, 55(1): 61-86.
4. Murthy, S., Saxena, A., Pillai, S.S.K., and **Gupta, S.** (2024). Reappraisal of Permian and Early Triassic palynoflora and palynostratigraphy of Son-Mahanadi Basin and their climatic implications. In: Samant, B., Thakre, D. (eds) *Applications of Palynology in Stratigraphy and Climate Studies*. Society of Earth Scientists Series. Springer, Cham. pp 39-81. https://doi.org/10.1007/978-3-031-51877-5_3.
5. **Gupta, S.,** Saxena, A., Shabbar, H., Murthy, S., Singh, K.J., and Bali, R., (2023). First record of late Devonian-early Carboniferous palynoflora from the Lipak Formation, Spiti Basin, Tethyan Himalaya and their biostratigraphic implications. *Journal of Palaeontological Society of India*. 68(1), 22-41. **(Impact Factor: 0.83)**
6. Murthy, S., Saxena, A., Khnagar, R., Pillai, S.S.K., Uhl, D., Singh, V.P., **Gupta, S.,** and Borkar, N., (2024). Palynofloristics and wildfire evidence from the Permian deposits of the Satpura Gondwana Basin, India: A multiproxy approach. *Historical Biology*, 36 (12), 2703-2724. <https://doi.org/10.1080/08912963.2023.2272690>. **(Impact Factor: 1.4).**
7. Shabbar, H., Saxena, A., Tinn, O., **Gupta, S.,** Singh, K.J. (2023). Non-calcified warm-water marine macroalgae from the Ordovician strata of Spiti, Tethys Himalaya, India. *Palaeoworld*, 32(3), 396-410. DOI: <https://doi.org/10.1016/j.palwor.2022.09.004>. **(Impact Factor: 2.717).**
8. **Gupta, S.,** Saxena, A., Shabbar, H., Murthy, S., Singh, K.J. and Bali, R. (2022). First record of late Carboniferous palynoassemblage from Ganmachidam Formation, Spiti Valley: Implications for age assessment and extent of Glossopterid elements in the Tethyan realm. *Geological Journal*, 57: 2160-2178. **(Impact Factor: 2.468).**
9. Shabbar, H., Saxena, A., **Gupta, S.** Singh, K.J. and Goswami, S. (2022). The first record of cornulitids tubeworms from the early Late Ordovician of Spiti, Tethyan Himalaya, India. *Historical Biology*, 34: 176- 187. **(Impact Factor: 2.259).**
10. Goswami, S., Singh, K.J. Saxena, A., Wang J, Chandra S. and **Gupta, S.** (2022). Witnessing floral evolution: a case study from Barakar formation in Lajkura colliery, Ib river coalfield, Mahanadi Basin, India. *Historical Biology*, 34: 30- 41. **(Impact Factor: 2.259).**
11. Saxena, A., **Gupta, S.,** Pillai, S.S.K., Murthy, S., Agnihotri, D., Khnagar, R., Savita C. and Khan, M. (2022). Late Permian macrofloral remains from the Bijori Formation, Satpura Gondwana Basin and their biostratigraphic implications. *Geophytology*, 51: 41-58.
12. Saxena, A., **Gupta, S.,** Singh, K.J., Murthy, S., Prakash, A. and Singh, P.K. (2021). Diversity of the Genus Gangamopteris McCoy in the Early Permian Sequences of Singrauli Coalfield, Son-Mahanadi Basin, India. *Journal of Palaeontological Society of India*, 66(1): 23-34. **(Impact Factor: 0.83).**