

Dr. RANVEER SINGH NEGI

Scientist-C,
Birbal Sahni Institute of
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Research Interests:

Palaeontology- Biostratigraphy, basin and palaeo-environmental studies in Palaeozoic successions of the Himalaya.

Research Profiles:

Research Gate:
https://www.researchgate.net/profile/Ranveer_Negi
ORCID:
<https://orcid.org/0000-0002-4518-1381>

Google Scholar:
<https://scholar.google.com/citations?hl=en&user=OX6gwGYAAAAJ>

Languages

English: Fluent

Hindi: Mother
Tongue

German: Beginner
Sanskrit: High
School

Experience

Birbal Sahni Institute of Palaeosciences

1/12/2025 to Present, Working as Scientist-C

20/07/2021 to 31/12/2024, Worked as Scientist-B.

- **2023-24**–Carried out a field excursion to the Tidong Valley of Kinnaur (Himachal Pradesh, India) in the Tethyan Himalaya to study the Palaeozoic (Cambrian–Silurian) strata.
- **2022-23**–Carried out a field trip to the Hojis & Tidong Valley of Kinnaur basin (Himachal Pradesh, India) in the Tethyan Himalaya to study the Palaeozoic strata.
- **2021**- Carried out a field trip to the Spiti basin of Tethyan Himalaya in Himachal Pradesh, India to study the Mesozoic strata.

Geological Survey of India -12/06/2015 to 20/07/2021

Position held as Assistant Geophysicist at Lucknow, Uttar Pradesh, India.

- Associated with site selection, programming, planning and executing field work related to seismic micro-zonation and other thematic mapping of various cities in Indo-Gangetic Plain, falling under Zone-IV, for disaster mitigation and earthquake preparedness.
- Developed project concepts and quality assurance checks to discover the errors and optimize usability.

Panjab University – 12/12/2013 to 23/10/2019.

Position held as Research Scholar at Chandigarh, India.

- Associated with extensive fieldwork, sample collection processing, etc., to study the Litho-Bio-Chemostartigraphy across the Lower-Middle Cambrian boundary in Tethyan Himalaya.
- Good knowledge of fossils/microfossils like Trilobites, Small Shelly Fossils, Acritarchs, trace fossils, etc. and isotopic studies of stable isotopes like C, O and S.
- Basic knowledge of stable isotope ratio mass spectrometer, scanning electron microscopy, etc.
- Did extensive studies in structural, lithological, sedimentary, stratigraphical, taxonomical and paleo-environmental analysis and their correlations.

Education

Centre of Advanced Study, Department of Geology, Panjab University, Chandigarh.

- PhD, Geology- 2013 to 2019.*
- Master of Science (Honors School)) in Geology 2011 to 2013.** (1st Division)
- Bachelor of Science (Honors School) in Geology-2008 to 2011. (1st Division)

PNNM Geeta Adarsh Vidyalaya, Solan, Himachal Pradesh. (CBSE Board)

- 12th, Biology, Physics, Chemistry, English- 2006. (1st Division)

Kendriya Vidyalaya, Kinnaur, Himachal Pradesh. (CBSE Board)

- 10th, English, Hindi, Maths, Science, Social Science- 2004. (1st Division)

***PhD Title-** DETAILED BIOSTRATIGRAPHY AND CARBON, OXYGEN AND SULPHUR ISOTOPIC STUDIES ACROSS THE CAMBRIAN SERIES 2- SERIES 3 (LOWER-MIDDLE CAMBRIAN) INTERVAL IN THE SPITI HIMALAYA, INDIA.

****M.Sc. Dissertation-** EVALUATION OF THE GROUNDWATER FOR DRINKING AND AGRICULTURAL PURPOSES AROUND DERABASSI AND BARWALA AREA.

Awards

- Council of Scientific and Industrial Research: New Delhi, Delhi, IN 2013-10-01 | **CSIR-UGC-JRF**
- Ministry of Human Resource Development: New Delhi, Delhi, IN 2013-03-15 | **GATE 2013**
- All India **Sixth Rank** in Junior National Science Olympiad, 2001

Memberships/ Affiliations

- Life Member– The Palaeontological Society of India
- Life Member– The Indian Association of Sedimentologists
- Member– The Society of Earth Scientists
- Corresponding member– The Cambrian Subcommision
(Stage 2 GSSP & Stage 3-4 GSSP)

Publications/Reports

- **Negi, R.S.**, Singh, B.P., Bhargava, O.N., Bhagya, S. D. (2025). Psammichnites gigas gigas Sub-ichnozone and Microbially Induced Sedimentary Structures (MISS) from Kunzam La Formation (Cambrian), Hojis Valley, Kinnaur, Himachal Himalaya. *Journal of Earth System Science* 134, 49. DOI: 10.1007/s12040-024-02503-z
- **Negi, R.S.**, Vinn, O., Singh, B.P., Bhargava, O.N., & Iskar, M. (2024). Gastropod, cephalopod, and tentaculid fauna from the Takche Formation (Ordovician-Silurian), Tidong Valley, Kinnaur Himalaya. *Historical Biology*, 1–8. DOI: 10.1080/08912963.2024.2421283
- Singh, B.P., Bhargava, O.N., Mikuláš, R., Prasad, S.K., Verma, V., Morrison, S., Chaubey, R.S., **Negi, R.S.**, Singla, G. (2024). Plug-shaped burrow Bergaueria Prantl, 1945 from the Lower Cambrian of Nigalidhar Syncline, Himachal Pradesh, Lesser Himalaya and its biostratigraphic significance in Himalayan Cambrian sections *Journal of N.jb. Geol. Palaont. Abh.* DOI: 10.1127/njgpa/2024/1214
- Mishra, D.P., Tiwari, P., Halder, P., Pandey, A., Tomar, N., Sahu, S.K., **Negi, R.S.**

(2024). 37th International Geological Congress: “The Great Travelers: Voyages to the Unifying Earth. *Current Science* 128(1) p.17.

- **Negi, R.S.**, Singh, B.P., Bhargava, O.M., (2023). Integrated sedimentological and ichnological studies of the Cambrian of the Tidong Valley, Kinnaur, its correlation with Zaskar-Spiti regions, and reconstruction of the northern margin of Indian plate. *Journal of N.jb. Geol. Palaont. Abh.*, 309(1), 1–18. DOI:10.1127/njgpa/2023/1141
- Mandal, S., Singh, A., Banerjee, S., Uddandam, P., **Negi, R.S.** (2023): Linking the impact of seismicity on palaeogeographic evolution and sedimentary architecture: A case study from Middle Jurassic succession of Spiti Himalaya. *Geological Magazine* 160(10), 1863–1874. DOI:10.1017/S0016756823000778
- Yin, L-M., Singh, B.P., Bhargava, O.N., Zhao, Y-L., **Negi, R.S.**, Meng, F-W., Sharma, C.A., (2017). Palynomorphs from the Cambrian Series 3, Parahio Valley (Spiti), Northwest Himalaya. *Palaeoworld* 27(1), 30–41. DOI: 10.1016/j.palwor.2017.05.004
- Singh, B.P., Bhargava, O.N., **Negi, R.S.**, Zhao, Y-L., Yin, L.-M., Sharma, C. A., (2017). Additional trilobite fauna from the basal part of the Cambrian Series 3, Stage 5, Kunzam La (=Parahio) Formation, Parahio Valley, Spiti (Northwest Himalaya), India and its biostratigraphic significance. *Annales de Paleontologie* 103, 271–281. DOI:10.1016/j.annpal.2017.09.001
- Singh, B. P., Bhargava, O. N., Sharma, C. A., Chaubey, R. S., Prasad, S. K., **Negi, R.S.**, Kishore, N., (2017). Treptichnus ichnogenus from the Cambrian of India and Bhutan: Its relevance to the Precambrian-Cambrian boundary. *J. Palaeont. Soc. India* 62, 39–50.
- Singh, B.P., Chaubey, R.S., Bhargava, O.N., Prasad, S.K., **Negi, R.S.**, (2016). The Cambrian trilobite fauna from the Shian (Saybang) section, Pin Valley (Spiti) and its biostratigraphic significance. *Palaeoworld* 26(1), 25–36. DOI:10.1016/j.palwor.2016.04.002.
- Singh, B.P., Virmani, N., Bhargava, O.N., **Negi, R.S.**, Kishore, N., Gill, A., (2016). Trilobite fauna of basal Cambrian Series 3 (Stage 5) from the Parahio Valley (Spiti), Northwest Himalaya, India and its biostratigraphic significance, *Annales de Paleontologie* 102, 59–67. DOI: 10.1016/j.annpal.2016.02.001
- Singh, B.P., Bhargava, O.N., Juyal, K.P., **Negi, R.S.**, Virmani, N., Sharma, C.A., Gill, A., (2015). Skeletal microfauna from the Cambrian Series 2 (Stage 4)Kunzam La (= Parahio) Formation, Parahio Valley, Spiti region (Tethyan Himalaya), India. *Current Science* 109, 2191–2195.

Abstracts/ Presentations

International– 37th IGC (2024), Busan, Republic of Korea (August 25-31, 2024)

Negi, R.S. (2024). Integrated Ichnological, Sedimentological and Geochemical Studies of the Cambrian Kunzam La Formation from Tidong Valley (Kinnaur), Himachal Himalaya: reconstructing the Northern Margin of the Indian Plate–*The 37th International geological Congress (IGC) 2024: The Great Travelers: Voyages to the Unifying Earth*, from August 25-31, 2024, BEXCO, BUSAN, Republic of Korea.

National– 40th Convention of IAS and national conference:

Negi, R.S., Vinn, O., Singh, B.P., Bhargava, O.N., Iskar, M. (2024). Gastropod, cephalopod and rare tentaculitid fauna from Takche Formation (Ordovician-Silurian), Kinnaur, Tethyan Himalaya: palaeobiogeographic connections to Gondwana and beyond–*National Conference by Indian Association of Sedimentologists (IAS) on “An Odyssey of Sedimentology from Precambrian to Anthropocene: Significant Contributions in Environmental Climatic and Energy research”*, from December 11-13,

2024, Birbal Sahni Institute of Palaeosciences, Lucknow.

International– 39th Convention of IAS and International conference:

Negi, R.S., Singh, B.P., Bhargava, O.N. (2023). The Cambrian clastic sediments from the Tidong Valley (Kinnaur), Himachal Himalaya: Geochemical evidence for Continental Island Arc type magmatism along the Northern Margin of Indian Plate–*International Conference by Indian Association of Sedimentologists (IAS) on “Voyage of Sedimentology from the Mountains to the Oceans: An Innovative Trajectory*, from December 6-8, 2023, Department of Earth Sciences, Annamalai University, Tamil Nadu.

Abstract (Co-authored) in 36th International Geological Congress (IGC) 2020:

- Seismic microzonation and site response studies of Amritsar, India.
- Seismic hazard microzonation of Meerut, Uttar Pradesh, India.

Poster presentation in the Earth Sciences Section of 12th Chandigarh Science Congress, 2018:

- Trilobite, Acritarchs and Small Shelly Fossils across the Series 2(stage 4)-Series 3 (stage 5) boundary in Spiti Himalaya.

Trainings/ Workshops

2024

- **Mission Karmayogi (iGOT):** Completed seven notified mandatory courses and required (4 hours) of e-learning to celebrate **Karmayogi Saptah-National Learning Week (nlw)**.
- Registration and hands on practice on **GeoGPT at Deep Time Digital Earth** exhibition at 37th IGC 2024, at Busan, South Korea (24/09/24)
- **GeoGPT** Online Tutorial and Q&A Session by Deep Time Digital Earth & IUGS (30/09/24, **online**).

Web of Science:

- Journal Citation Report- Selecting right journal for publication-CSIR, DST & MoES (25/01/24, **online**).
- New Web of Science and e-Books Central for NIScPR - CSIR, DST & MoES (18/10/24, **online**).
- Demo session on Web of Science at the committee room of BSIP, Lucknow (1/08/24).

2022

- Effective Writing of Report, Scientific Publications and Presentation Skills in Earth Sciences” conducted by The Regional Training Division, Geological Survey of India, Central Region, Nagpur.
- Fundamentals of Geological Mapping, a training conducted by the Regional Training Division, Geological Survey of India, Central Region, Nagpur.
- Academic Integrity for Research Scholars, organised by Turnitin Education Network.
- Research smarter and maximise your IP creation, organised by Clarivate.
- Web of Science Core Collection Journals Selection Process, organised by Clarivate.

2020

- Demonstrated data acquisition via Stratavizor NZXP seismograph and interacted with the faculty members and students of Blooming Buds inter-college, Maniram, Gorakhpur, under the aegis of BHUVISAMVAD, a platform formulated by the Ministry of Mines, Government of India.

2019

- International Workshop on Advanced Seismology, Seismic Hazards Earthquake Engineering: Theory, Simulation, Observations at NIT, Agartala, Tripura.

	<ul style="list-style-type: none"> • Mineral Targeting Through Data Integration and Field Check, a training organised by the Regional Training Division, Geological Survey of India (Northern Region), Lucknow. • Geology for Geophysics and Chemists, training organised by Regional Training Division, Geological Survey of India (Northern Region), Lucknow. <p>2018</p> <ul style="list-style-type: none"> • Commissioning cum training of Geodetic reference station (Trimble Inc.USA) and its data acquisition, downloading processing at Geological Survey of India (Northern Region), Lucknow. <p>2016</p> <ul style="list-style-type: none"> • Training on data acquisition via 24-channel Stratavisor NZ seismograph and data processing via SiesImager software by Geometrics Inc. USA at Geological Survey of India (Northern Region), Lucknow. • Training on General Management Program on Administration, Finance and Vigilance conducted by Jaipuria Institute of Management, Lucknow and Regional Training Division, Geological Survey of India (Northern Region), Lucknow. • Refresher Course in Geophysical Mapping, organised by Regional Training Division, Geological Survey of India (Northern Region), Lucknow. • Technical training for high-recision GPS operating at Geological Survey of India, Eastern Region, Kolkata. • Training on Various processing modules of Geosoft at Geological Survey of India (Northern Region), Lucknow.
	<p>Supervision/ Dissertations</p> <hr/> <ul style="list-style-type: none"> • 2023-Supervised the dissertation titled ' CAMBRIAN ICHNOLOGY FROM TETHYAN HIMALAYA: A CASE STUDY FROM KINNAUR, HIMACHAL PRADESH” of Ms Bhgya S Dev. The dissertation is submitted to the Central University of Kerala in partial fulfilment of the requirements for the degree of Master of Science in Geology. <p style="text-align: right;"><i>Last Updated on: 21/04/2025</i></p>