

Curriculum vitae



Dr. Divya Verma

Birbal Sahni Institute of Palaeosciences,
53, University Road,
Lucknow-226007, Uttar Pradesh, India

E-Mail: dv62704@gmail.com, divya.verma@bsip.res.in

Contact number: +91-9415096158, 9670086594

Date of Birth: 25th March 1995

Career Objective:

To build a career in academia that emphasizes both effective pedagogy and rigorous research, aiming to inspire learners and contribute to the broader intellectual community.

Areas of Interest:

Paleoceanography and Paleoclimatology, Stable isotope and trace element geochemistry, Marine Micropaleontology, Oceanography, Sedimentology, Physical Geology, Coal Geology.

EDUCATIONAL QUALIFICATIONS:

SL. No	EXAMS PASSED / Previous Diploma	UNIVERSITY / INSTITUTION / BOARD	YEAR OF PASSING	MAIN DOMAIN	SUBJECT OF SPECIALISATION	DIV. / CLASS & % OF MARKS
1.	Ph.D.	DST-Birbal Sahni Institute of Palaeosciences, AcSIR	2026	Science	Physical Sciences (Geology)	-
2.	Master of Science	Banaras Hindu University	2018	Science	Geology	1 st Div. & 84.1%
3.	Bachelor of Science (Hons.)	Banaras Hindu University	2015	Science	Geology	1 st Div. & 72.3%
4.	Two-year Diploma in French	Banaras Hindu University	2015	Arts	French language	1 st Div. & 81.5%
5.	Senior School Examination	CBSE	2012	Science	Physics, Chemistry, Biology, English core, Physical Education	1 st Div. & 86.2%
6.	Secondary School Examination	CBSE	2010	Science	Science, Mathematics, English comm., Hindi, Social Science	1 st Div. & 81.7%

DETAILS ABOUT Ph.D.:

PhD registered University:	Academy of Scientific and Innovative Research (AcSIR)
Name of institute/lab of PhD work	DST-Birbal Sahni Institute of Palaeosciences (BSIP), Lucknow
Name of PhD supervisor:	Dr. Pawan Govil (Scientist-E)
Title of PhD work:	High-resolution reconstruction of paleoceanography and paleoclimatology of south-west Indian Ocean during Late Quaternary
PhD Status	Awarded (January 2026)

PROFESSIONAL TRAINING:

SL. No	Organization	Period		Details of Training/ Project Undertaken
		From	To	
1	Indian Institute of Technology, Banaras Hindu University (BHU), Varanasi	10 th July 2017	29 th July 2017	Project title “ Determination of GCV of different coal seams ” -Hands-on training on the instrument “Bomb Calorimeter” for the determination of Gross Calorific Value (GCV).
2	Department of Geology, Banaras Hindu University (BHU), Varanasi	January 2018	June 2018	Project-oriented dissertation on “ Land use / Land cover study of Gomati River basin, middle Ganga plain ” -Worked on ARC-GIS and ERDAS software.
3	Department of Geology, Babasaheb Bhimrao Ambedkar University (BBAU), Lucknow	17 th October 2022	21 st October 2022	Training Programme on “ River Rejuvenation, Climate Resilience and DRR: Plans, Perspectives and Policies ” jointly organized by BBAU, Lucknow and National Institute of Disaster Management, New Delhi
4	Department of Geology, Banaras Hindu University (BHU), Varanasi	-	-	Geological Field Training in Eastern Ghat area - Jharsuguda, Keonjhar, Puri (10 days, March 2018); Lesser Himalayas - Chandigarh to Shimla (10 days, October 2017); Chitrakoot Region (6 d, March 2015); Lower Vindhyan Super Group in Son Valley (6 days, March 2014); Vindhyan Super Group exposed in nearby Chunar and Mirzapur U.P. (2 days, April 2013)

AWARD AND ACHIEVEMENT:

- Joint CSIR-UGC **National Eligibility Test (NET)** for **Junior Research Fellowship (JRF)** and eligibility for **Lectureship (LS)** qualified in December 2018 (**AIR- 110**) and June 2019 (**AIR- 83**) in Earth Sciences.

TECHNICAL SKILLS AND EXPERTISE:

- **Scanning Electron Microscope (SEM)**- detailed morphological analysis
- **Stereo-zoom binocular microscope**- species identification and counting
- **Isotope Ratio Mass Spectrometer (IRMS)**- Stable isotope analysis
- **Inductively Coupled Plasma Mass Spectrometer (ICP-MS)**- Trace element & REE analysis
- **Bomb Calorimeter**- Gross Calorific Value (GCV) analysis
- **Computer skills**- Grapher, R software, Corel Draw, Ocean Data View (ODV), Arc-GIS, ERDAS, PAST, Origin, Sigma, MS Word, Excel, and PowerPoint.

LIST OF PUBLICATIONS:

- **Divya Verma**, Pawan Govil, Shailesh Agrawal, P. Morthekai, Brijesh Kumar, Hidayatullah Khan “Late Quaternary productivity and hydrographic variability in the upper water column of the Agulhas Return Current region as inferred from planktic foraminifera” (2025), *Quaternary International* (**IF- 1.8**).
- Brijesh Kumar, Pawan Govil, Shailesh Agrawal, Pankaj Kumar, **Divya Verma**, Hidayatullah Khan “Western equatorial Indian Ocean surface hydrographic variations inferred from isotopic record of planktic foraminifera *Globigerinoides ruber* during last ~412,000 years” (2025), *Journal of Earth System Science* (**IF. 1.7**).
- Hidayatullah Khan, Pawan Govil*, Rajani Panchang, Shailesh Agrawal, Pankaj Kumar, Brijesh Kumar, **Divya Verma** “Abrupt intensification of AMOC and monsoonal winds during mid-MIS4 (Heinrich Event 6) in the western Arabian Sea” (2024), *Global and Planetary Change* (**IF. 4.0**).
- **Divya Verma**, Pawan Govil*, Brijesh Kumar, Hidayatullah Khan “Variation in dynamics controls and effects of Agulhas leakage through Late Pleistocene: A Review” (2023), *Journal of Palaeosciences*.
- Hidayatullah Khan, Pawan Govil*, Rajani Panchang, Shailesh Agrawal, Pankaj Kumar, Brijesh Kumar, **Divya Verma** “Surface and thermocline Ocean circulation

intensity changes in the western Arabian Sea during ~172 kyr” (2023), *Quaternary Science Reviews* (IF: 3.2).

- Pawan Govil*, Abhijit Mazumder, Shailesh Agrawal, Syed Azharuddin, Ravi Mishra, Hidayatullah Khan, Brijesh Kumar, **Divya Verma** “Abrupt changes in the southwest monsoon during Mid-Late Holocene in the western Bay of Bengal” (2022), *Journal of Asian Earth Sciences* (IF: 2.7).
- Brijesh Kumar, Pawan Govil*, **Divya Verma**, Hidayatullah Khan “A review on Indian Ocean dipole variability and its linkage with ENSO: future perspective” (2025) *Journal of Environmental Biology* (IF: 0.7).
- Brijesh Kumar, Pawan Govil, Shailesh Agrawal, Pankaj Kumar, **Divya Verma**, Hidayatullah Khan “Surface $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ gradients across the eastern and western equatorial Indian Ocean: Implications for Indian monsoon dynamics and climate variability” – submitted.

LIST OF CONFERENCES AND WORKSHOPS:

- **Divya Verma** and Pawan Govil “Agulhas Return Current Dynamics and Frontal Shifts as Drivers of Indian-Atlantic-Asian Climate Coupling Since MIS 10” (22nd-27th February, 2026) Ocean Sciences Meeting, Scottish Event Campus Glasgow, Scotland (Conference Paper).
- **Divya Verma** and Pawan Govil “Major Hydrographic Shift During Termination II (MIS 6/5 Transition): Evidence from Planktic Foraminiferal Assemblages and $\delta^{18}\text{O}$ Records at Site U1475, Agulhas Plateau” (15th-19th December, 2025). American Geophysical Union (AGU25), Ernest N. Morial Convention Center in New Orleans, LA, USA (Conference Paper).
- **Divya Verma** and Pawan Govil “Assessing Southwest Indian Ocean Thermocline Structure during the Late Quaternary using *Globorotalia truncatulinoides* as a proxy” (2025). The Palaeontological Society of India (PSI), National Institute of Oceanography (NIO), GOA (Conference Paper).
- **Divya Verma** and Pawan Govil “Late Quaternary Reconstruction of Upper Water Column Hydrographic Variations in Southwest Indian Ocean” (2024) ICMS, Delhi (Conference Paper).
- **Divya Verma** and Pawan Govil “Paleo-productivity variation based on Planktic Foraminifera record from Agulhas Plateau IODP Site U1475” (2022) IQC-AOQR (Conference Paper).
- **Divya Verma** and Pawan Govil “Late Quaternary Oceanographic and Climatic variations based on Planktonic foraminiferal record at IODP U1475, Southwest Indian Ocean” (2022) ICMS Pune (Conference Paper).
- **Divya Verma** “XXVII (27th) Indian Colloquium on Micropaleontology and Stratigraphy” organized by Department of Geology, BHU, Varanasi, November 2019.
- **Divya Verma** “National Workshop on Geochronology” organized by Geochronology

Group, IUAC New Delhi during October 11-12, 2022.

- **Divya Verma** “River Rejuvenation Climate Resilience and DRR: Plans, Perspectives and Policies” jointly organized by Department of Geology, BBAU, Lucknow and NIDM, New Delhi during October 17-21, 2022.

OTHER INFORMATION:

- Student member at the American Geophysical Union (AGU).
- Student member at the American Association of Petroleum Geologists (AAPG).
- Participated in an online Quiz Competition held on ‘World Environment Day and World Oceans Day’ organized by National Centre for Polar and Ocean Research (NCPOR), Ministry of Earth Sciences, Goa, India- (June, 2021).
- 2nd Prize in Rangoli making competition organized by Kundan Devi Centenary Hostel, Institute of Science, Banaras Hindu University- (February, 2018).
- 3rd Prize in Badminton competition held on ‘Geology Day’ celebrations organized by Department of Geology, Banaras Hindu University- (October, 2017).
- Participated in Geoshot event organized by Banaras Hindu University, Geoscience Student Chapter of American Association of Petroleum Geologists (AAPG)- (August, 2017).
- 4th Prize in Rangoli making competition organized by Kundan Devi Centenary Hostel, Institute of Science, Banaras Hindu University- (February, 2017).
- Participated in 8th All India Students’ Conference of Science and Spiritual Quest (AISSQ) organized by Bhaktivedanta Institute, Kolkata, IIT Banaras Hindu University- (February, 2014).

EXTRA- CURRICULAR ACTIVITIES

- Actively participate in Yoga, Badminton and Cycling to maintain physical well-being and to promote physical fitness.
- Pursue culinary arts and home gardening as creative and sustainable practices.
- Develop artistic skills through sketching, painting, henna and rangoli creation.
- Engage in vocal music to cultivate cultural enrichment and personal expression.
- Contributed as a volunteer in environmental awareness and conservation programs.
- Committed to continuous personal growth and spiritual development.

DECLARATION:

I hereby declare that the above-mentioned details and information are correct and right to the best of my knowledge and belief.

Place: Lucknow



Signature of the candidate

