

Curriculum Vitae

Personal details:

Name in full: Dr. (Mrs.) POONAM VERMA
Date of birth: 07/09/81
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Birbal Sahni Institute of Palaeosciences,
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Area of interest: Cenozoic and Quaternary palaeopalynological studies

- Biostratigraphy and age demarcation.
- Palaeovegetation and palaeoclimate reconstruction.
- Palaeoecological and paleoenvironmental studies.

Professional details:

Educational Qualification:

- Ph.D. in Geology from University of Lucknow in 2011.

Title of the Ph.D. Thesis: "Analysis of Palaeovegetation and Palaeoclimate of Quaternary sediments of Central Narmada Valley, Madhya Pradesh."

- M. Sc. in Geology from University of Lucknow in 2003.
- B. Sc. in Geology, Zoology and Botany from University of Lucknow in 2001.
- Intermediate from UP board in 1998.
- High school from UP board in 1996.

Additional qualifications:

- Proficiency in French language from University of Lucknow, UP.
- Post Graduate Diploma in Petroleum Exploration from Annamalai University, TN.
- Computer knowledge: ADCA (O-Level) by DOEACC SOCIETY OF

Awards/achievements:

- Awarded as 'State Child Scientist from Indian' from National Child Science Congress, Uttar Pradesh (1997).
- Awarded as 'Business Professional Programmer' from DOEACC SOCIETY OF INDIA (2001).

- Qualified **Joint CSIR-UGC National Eligibility Test** (2005).
- **Best poster award** for “Climate change in central Narmada Valley during hominin bearing Quaternary sediments through proxy records” at XXI Indian Colloquium on Micropalaeontology and Stratigraphy (2007)
- **Best poster award** (Second) was presented for poster entitled “Quaternary vegetation and climate change in central Narmada Valley: Proxy records from hominin bearing sedimentary successions” at National Conference on Quaternary Geological Processes: Natural Hazards & Climate change (2009).
- **Best poster award** for poster entitled “Calcareous nannofossil and dinoflagellate cyst records from Lumpy Clay Member of Maniyara Fort Formation, Kutch: an age implication” presented in 12th Symposium on Fossil Algae (2019).

Professional Experience:

- Worked as **Junior Research Fellow** in Birbal Sahni Institute of Palaeosciences, Lucknow from 15/05/06 to 15/05/08 under DST project title "Analysis of Palaeovegetation and Palaeoclimate of Hominin bearing Quaternary Sediments Of Central Narmada Valley, Madhya Pradesh" (**Project No.SR/S4/ES-138/2005**).
- Worked as **Senior Research Fellow** in same institute in same project from 15/05/08 to 31/07/09.
- Worked as **Technical Assistant (Geology)** in Directorate of Geology and Mining, Uttar Pradesh, Lucknow from 22/02/2010 to 22/07/2011.
- Worked as **Scientist ‘B’** in Birbal Sahni Institute of Palaeosciences, Lucknow from 22/07/2011 to 31/12/2014.
- Worked as **Scientist ‘C’** in Birbal Sahni Institute of Palaeosciences, Lucknow from 01/01/2015 to 31/12/2018.
- Worked as **Scientist ‘D’** in Birbal Sahni Institute of Palaeosciences, Lucknow from 1/1/2019-31/12/2022.
- Honorary **Associate Professor** at Academy of Scientific and Innovative Research (AcSIR), Ghaziabad, U.P. from 29th July, 2021 till date
- Working as **Scientist ‘E’** in Birbal Sahni Institute of Palaeosciences, Lucknow since 1/1/2023

Ph. D. Thesis Supervision:

- Guided Dr. Yogesh Pal Singh for his doctorate degree in Geology from University of Lucknow, on topic “**Biostratigraphy and Palaeoclimate reconstruction of Cenozoic succession of Kerala Basin, India**” (awarded in 2023).

Inhouse (BSIP) research project

- Member and Co-Coordinator of Project 3 entitled “Pre- and post-collision biotic turnover(s) and climate change(s) pertaining to India”.

Other Sponsored projects:

- Principal Investigator of SERB-DST sponsored project entitled “Biostratigraphy of Kerala Basin based on palynology and calcareous nannofossils: implications on palaeovegetation and palaeoclimate.” (May 2018-April 2021).

- Co-Principal Investigator of RGL-ONGC, Vadodara sponsored project entitled “Paleobathymetric variations through time from middle to late Eocene and reconstruction of paleogeographic Maps of Cambay Basin.” (continuing from February 2021).
- Principal Investigator of OIL, Assam sponsored project entitled “Biostratigraphy and palaeoenvironmental reconstruction from the sub-surface samples of Exploratory/Development Wells of Oil India Limited.” (continuing from December 2022).

Consultancy service rendered:

- Rendered consultancy service for Biostratigraphy based on palynological studies and palynofacies analysis of samples of Sadiya-01 well of Oil India Limited (OIL), Duliyaan, Assam provided by Dr. Alok K. Singh, Professor (Geology), Rajiv Gandhi Institute of Petroleum Technology (RGIT), Jais, U.P.

Field experience:

- Involved in two (August, 2006 and March, 2009) field works to Upper Siwalik sediments of Nadah and Gagghar River Section, Haryana.
- Participated in three day field workshop on "Geoarchaeology and Human Response to Landscape Evolution", during October 13th-15th, 2006 organized by Department of Geology, Anna University Chennai. A field work was undertaken in and around Chennai to observe the archeological sites.
- Undertook four field excursions (January 2nd to 12th, 2007, May 3rd to 22nd, 2007, February 10th to 19th, 2008 and December 3rd to 12th, 2008) to Hathnora and adjoining areas, central Narmada Valley, Madhya Pradesh.
- Participated in five days field workshop on “Concepts in Quaternary climate Studies with Emphasis on Dendrochronology and Palynology” during May 14th- 18th, 2009 at Srinagar (Garhwal), Uttarakhand.
- Participated in three days field workshop on Vastan Lignite Mines, Gujarat, India during January 17th-19th, 2012 at Surat, Gujarat.
- Undertook field work in Cenozoic section of Kutch, Gujarat during December 2nd to 22nd, 2012.
- Undertook field work in various lignite bearing sequences in Barmer Basin (Kapurdi and Giral Lignite Mines), Nagaur-Ganganagar Basin (Matasukh and Barsingsar Lignite Mines) of Rajasthan during January 9th-22nd, 2014.
- Undertook field work in Cenozoic section of Kutch, Gujarat during 16th December, 2017 to 3rd January, 2018.
- Undertook field work in Cenozoic lignite mines of Bhavnagar and Surat and adjoining area (Cambay Basin), Gujarat during 2nd – 14th January, 2019.
- Undertook field work in Cenozoic successions of Varkala, Aliyarakkam, Padappakara, Manglapuram, Kollam, Trivandrum and adjoining areas (Kerala Basin), Kerala during 17th – 30th January, 2019.
- Participated in fieldwork in Mesozoic sediments of Spiti Valley during October 5th-17th, 2019.
- Field excursion was undertaken to Cenozoic deposits of Kutch Basin, Gujarat to collect rock samples from open-cast mine sections exposed at Matanomadh lignite mines and Harudi Formation, Kutch during 24th Feb – 1st March, 2020.

- A visit was undertaken to RGL (ONGC), Vadodara, Gujarat for discussion and core sample (3 key wells) collection under ONGC-BSIP collaborative (ONGC sponsored project) during 18th -24th September 2022.
- Field excursion was undertaken to Cenozoic deposits of Cauvery Basin, Tamil Nadu to collect rock samples from open-cast mine sections exposed at Neyveli lignite mines during 12th – 17th January, 2024.

Papers published:

- **Verma, P.,** Rao, M.R. and Patnaik R. (2009) Late Pleistocene-Holocene vegetation and climate change in central Narmada Valley, India: Multiproxy records from hominin bearing sediments. In Asian perspective of Human Evolution (ed. A. R. Sankhyan), Serial publisher, Delhi, pp. 142-148.
- **Verma, P.,** and Rao, M.R. (2010) Climatic fluctuations during Holocene in Kusumelli Swamp, central Narmada Valley, India. **Current Science**, vol. 99, pp. 1516-1518.
- **Verma, P.,** and Rao, M.R. (2011) Quaternary Vegetation and Climate Change in Central Narmada Valley: Palynological Records from Hominin Bearing Sedimentary Successions. In. **Geological Processes and Climate Change**, Editors (D. S. Singh and N.L. Chhabra), Macmillan Publishers India Ltd. ISBN 9780230321922, **pp. 71-84.**
- Rao, M.R., Sahni, A., Rana, R.S. and **Verma, P.** 2013 Palynostratigraphy and deposition environment of Vastan Lignite (Early Eocene), Gujarat, India. **Journal of Earth System Science** **122(2):298-307.**
- **Verma, P.** and Rao, MR. 2013 Modern pollen and vegetation relationship in the Teak Deciduous Forest in Sehore District, Madhya Pradesh. **The Palaeobotanist.** **62:55-63.**
- **Verma P.,** Mandal N, Rao MR, Thakkar MG and Bajpai S 2013. palynological record from Chhasra Formation, Eastern Kutch, Gujarat. **The Palaeobotanist.** 62:149-155.
- Rao MR and **Verma P.** 2014. Palynology in India: Present status and Miocene Future prospect. Special publication of **The Journal of Palaeontological Society of India**, 5: 145-160.
- Rao MR and **Verma Poonam** .2014. Palynological Investigation of Neogene (Early Miocene) Sediments of Mangalore Basin, India: Palaeoenvironmental and Palaeoclimatic Implications. **Journal Geological Society of India**, 84:55-67.
- **Verma, P.** and Rao, MR. 2014. Late Holocene Vegetation and Climate of Kusumelli Swamp, central Narmada Valley, Madhya Pradesh, India. **Geophytology**42(2): 127-132.
- Raj R., Chamyal L. S., Prasad V., Sharma A., Tripathi J. and **Verma P.** 2015. Holocene climatic fluctuations in the Gujarat Alluvial Plains based on multiproxy study of the Pariyaj Lake archive, western India. **Palaeogeography, Palaeoclimatology, Palaeoecology**42: 160–74.
- Singh, VK., Saxena, A., **Verma P.,** Ranhotra PS., Agnihotri D., Srivastava J., Manoj MC. and Quamar MF. 2016. India International Science Festival 2015. **Current Science** 110(5): 756-757

- Agrawal, S., **Verma, P.**, Rao, M. R., Garg, R., Kapur, V.V., Bajpai, S. 2017. Lignite deposits of Kutch Basin, western India: carbon isotopic and palynological signatures of early Eocene Hyperthermal Event ETM2. **Journal of Asian Earth Science** 146: 296–303.
- **Verma P.** & Singh A. (2018) Palynology of Cenozoic successions of Kerala Basin: a review from the perspective of biostratigraphy and palaeoclimatic studies. **The Palaeobotanist** 67: 99-111.
- **Verma P.** (2018) A technique for the extraction of palynomorphs from Eocene amber. **The Palaeobotanist** 67(2): 201-208.
- **Verma P.** & Singh A. (2019) Early Oligocene (Rupelian) dinoflagellate cysts and calcareous nannofossils from Lumpy Clay Member of Maniyara Fort Formation, Kutch, Gujarat, India. **Current science** 116(9): 1571-1580.
- Manoj M C, Singh A, **Verma P.**, Govil P, Kawsar M, Uddandam P R, Prasad V. 2020. Marine Micropalaeontology: An overview of Indian Contributions During 2016-2019. **Proceedings of Indian National Science Academy** 86 (1): 419-444.
- Manoj M C, Singh A, **Verma P.**, Govil P, Kawsar M, Uddandam P R, Prasad V. 2020. Marine Micropalaeontology: An overview of Indian Contributions During 2016-2019. **Proceedings of Indian National Science Academy** 86 (1): 419-444.
- **Verma P.**, Garg R., Rao M. R., Bajpai S. (2019) Palynofloral diversity and palaeoenvironments of early Eocene Akri lignite succession, Kutch Basin, western India. **Palaeobiodiversity and Palaeoenvironments**, 100: 605–627. <https://doi.org/10.1007/s12549-019-00388-1> (IF– 1.801)
- Shukla A., Mehrotra R. C., **Verma P.**, Chandra K., Singh A. (2021) “Out-of-India” dispersal for Adina (tribe Naucleaeae; family Rubiaceae): evidence from the early Eocene fossil record from India, **Palaeoworld**, 30:737–745. <https://doi.org/10.1016/j.palwor.2021.01.001>.
- Prasad V, Uddandam PR, Agrawal S, Bajpai S, Singh I, Mishra AK, Sharma A, Kumar M, **Verma P** 2020. Biostratigraphy, palaeoenvironment and sea level changes during pre-collisional (Palaeocene) phase of the Indian plate: palynological evidence from Akli Formation in Giral Lignite Mine, Barmer Basin, Rajasthan, Western India. **Episodes Journal of International Geoscience** 43(1): 476-488.
- Singh A., Deori N., Pandey D.K., Shekhawat R.S., **Verma P.** 2021. Biostratigraphic Implications of the Calcareous Nannofossils from the Spiti Formation at Langza, Spiti Valley. S. Banerjee and S. Sarkar (eds.), *Mesozoic Stratigraphy of India*, Society of Earth Scientists Series, Springer. pp 429–442. https://doi.org/10.1007/978-3-030-71370-6_15.
- Singh YP, **Verma P.**, Singh A. 2023. Palynofloral diversity during mid-Miocene warming in Kerala Basin. South western India: palaeoclimatic implications. In: Binita Phartiyal, Rahul Mohan, Supriyo Chakraborty, Vankatesh Dutta, Anil k.

Gupta (editors.)- Climate Change and environmental impacts: Past, Present and future perspective, Society of Earth Scientists Series, Springer, pp.47-61.

- Singh YP, **Verma P**, Singh A & Bali R 2023. Early Miocene (Burdigalian) Dinoflagellate Cysts from the Kerala Basin, Southwest India: Indicators of Marine Ingression at the Onset of the Mid-Miocene Climate Optimum (MMCO). **Journal of the Geological Society of India**. 99: 357–369. DOI: 10.1007/s12594-023-2318-9. .6).
- Chandra K., **Verma P.**, Shukla A., Mehrotra R.C.(2023). Pentamerous fossil flowers and fruits from Rajasthan reveals the dominance of flowering plants in the early Palaeogene of India. **Current Science**, 125(3) doi: 10.18520/cs/v125/i3/321-324.
- Srivastava, G., Bhatia, H., **Verma, P.**, Singh, Y.P., Utescher, T., Mehrotra, R.C. (2023). High rainfall afforded resilience To tropical rainforests during Early Eocene Climatic Optimum. **Palaeogeography, Palaeoclimatology, Palaeoecology** 628, 111762.
- Sarkar, S., Singh, Y. P., &**Verma, P.** (2024). Paleoeological and paleobiogeographic implications of a seagrass-indicating foralgal skeletal assemblage: Retracing the Burdigalian Quilon Limestone (Kerala Basin, SW India). **Marine Micropaleontology**, 187, 102330.

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H-index: 5 (Google scholar)

Deputation to Conferences/Seminars/Workshops/exhibitions/meeting/Trainings

- Presented “Palaeoclimatic studies on Quaternary sediments of Central India- Present status and gaps.” in **Field workshop on Geochronology and Human Response to Landscape Evolution**. Department of Geology, Anna University, Chennai. 13-15th October, 2006. (oral)
- Attended Diamond Jubilee International Conference on "**Changing Scenario in Palaeobotany and Allied Subjects**" during November 15th- 17th, 2006, Birbal Sahni Institute of Palaeobotany, Lucknow.
- Undertook training on **Environmental Magnetism Studies** at Wadia Institute of Himalayan Geology, Dehradun in May, 2007.
- **Presented** “Pollen of Late Holocene Vegetation and climate change in Kusumelli Swamp, central Narmada valley, Madhya Pradesh.” in **International conference on Asian Monsoon variability during the past global changes**. Department of Geology, Kumaun University, Nainital, September 11th -14th, 2007. (oral)
- **Presented** “Climate change in central Narmada Valley during hominin bearing Quaternary sediments through proxy records” **XXI Indian Colloquium on Micropaleontology and Stratigraphy**. Birbal Sahni Institute of Palaeobotany, Lucknow, November 16th -17th, 2007

- Participated in '**19th group monitoring meeting**' of **3rd PAC-ES meeting** held at Vellore Institute of Technology, Vellore, during January 17th-19th, 2008. Presented progress and highlights of the project.
- Attended **GEO-INDIA 2008, Expo XXI, Greater Noida**, New Delhi (South Asian premier Geoscience Event) during September 17th -19th, 2008.
- Presented “Vegetation and climate change since Late Pleistocene through Holocene in central Narmada Valley, Madhya Pradesh.” National conference ***Plant Life Through Ages*** held at Birbal Sahni Institute of Palaeobotany, Lucknow during November 16th -17th, 2008. (Oral)
- **Presented** “Vegetation and climate change in hominin bearing Quaternary Succession of Narmada Valley, central India.” in **International workshop on *Plio-Pleistocene Environments and Hominin Adaptations in India*** held at Hotel Lake View Ashoka, Bhopal during December 1th-5th, 2008.
- Presented “Quaternary vegetation and climate change in central Narmada Valley: Proxy records from hominin bearing sedimentary successions.” National conference ***Quaternary Geological Processes; Natural Hazards & Climate Change*** held at CAS in Geology, Lucknow University, Lucknow during February 25th -26th, 2009. (Poster)
- **Presented** “Holocene climatic history of Kusumelli Swamp, central Narmada Valley, India.” **3rd LIMPACS (IGBP, PAGES): Holocene Lake Records** held at Golden Jubilee Hall, Panjab University, Chandigarh during March 5th -8th, 2009.
- Participated in five days field workshop on “***Concepts in Quaternary climate Studies with Emphasis on Dendrochronology and Palynology***” during May 12th -18th, 2009 at Srinagar (Garhwal), Uttarakhand.
- Presented “Vegetation and climate history from Kusumelli Swamp, Sehore District, Madhya Pradesh since Early Holocene” ***National Conference on ‘Science of Climate Change and Earth’s Sustainability: Issues and Challenges- A Scientists-People Partnership’*** during September 12th-14th, 2011 at Lucknow. (Oral)
- Attended a course work on the Paleosols conducted by Prof. Gregory J. Retallack, University of Oregon, USA during November 4th - 19th, 2013, organised by BSIP.
- Participated in three days ***field workshop on Vastan Lignite Mines, Gujarat***, India during January 17th-19th, 2012 organized by Palaeontological Society of India at Surat, Gujarat.
- Presented “Amber Palynology gateway: a glimpse to Early Eocene rain forest ecology” ***XXIV Indian Colloquium on Micropalaeontology and Stratigraphy, WIHG, Dehradun***, November 18th-20th, 2013. (Poster)
- Presented “Palynological investigation of Akri Lignite (Early Eocene), Kutch, Western India: Palaeoenvironmental and Palaeoclimatic Implications” in ***XXIV Indian Colloquium on Micropalaeontology and Stratigraphy, organized by WIHG, Dehradun***, November 18th-20th, 2013. (Poster)
- Presented “Palynology of the Akri Lignite Mine (Early Eocene), Western Kutch, India: Biostratigraphic and Palaeoenvironmental implications.” ***National Conference on Paleogene of Indian Subcontinent***, April 23th -24th, 2015, Lucknow, India.
- Participate in ***35th Indian International Trade Fair -2015*** during November 20th - 24th, 2015 held at New Delhi, India.

- Participate in ***Indian International Science Festival -2015*** during December 4th -8th, 2015 at IIT, Delhi, India.
- Presented “Quantitative reconstruction for the Early Eocene climate, based on exceptionally preserved palynomorphs in the amber of Vastan lignite, Gujarat, India.” ***International Conference on 3rd NECLIME Asian Meeting***, February 23th-24th, 2016 Lucknow, India.
- Presented “Palynofloral diversity changes across the Palaeogene warming event (ETM2, ~53.7 Ma) in the Palaeo-equatorial region: evidences from Panandhro Lignite Mine, Western India” in ***14th Annual Meeting Asia Oceania Geosciences Society***, during 6th -11th August 2017 at Singapore.
- Attended ***Young Scientist’s Conclave (SYPOG) and Women Scientist & Entrepreneur Conclave in Indian International Science Festival -2017*** held during 13th -16th October, 2017 at Anna University, Chennai.
- Attended ***Indian International Science Festival -2018 and volunteered in organization of “Face to face with frontiers in Science”*** activity held during 7th October, 2018 at IGP, Lucknow.
- Presented “Palaeovegetation and environments during Eocene warming event.” on 28th September, 2018 in ***Pre-event- outreach programme of India International Science Festival 2018*** at BSIP, Lucknow.
- Learnt applications of palynology used in biostratigraphy in the field of fossil fuel exploration and seen the case studies in Workshop on ***Applied Biostratigraphy in Mineral & Hydrocarbon Exploration*** held on 20th-22nd November, 2019 at Center of advance studies Department of Geology, Lucknow.
- Presented “Integrated palynostratigraphy and carbon isotopic signature of Early Eocene hyperthermal event (ETM2) from lignite deposit of Kutch Basin, Gujarat” in ***XXVII Indian Colloquium on Micropaleontology and Stratigraphy***, held on 4th-6th November, 2019 at Department of Geology, BHU, Varanasi.
- Presented “Calcareous nannofossil and dinoflagellate cyst records from Lumpy Clay Member of Maniyara Fort Formation, Kutch: an age implication” in ***12th International Symposium on Fossil Algae*** held during 16th-24th September, 2019 at BSIP, Lucknow.
- Presented the progress of DST-SERB sponsored project entitled, “Biostratigraphy of Kerala Basin based on palynology and calcareous nannofossils: implications on palaeovegetation and palaeoclimate.” in the ***4th Group monitoring cum 5th meeting of Programme Advisory Committee (PAC-E&AS)*** at National Institute Oceanography (NIO) held on 19th & 20th January 2020.
- Presented the expertise of BSIP in the field of petroleum exploration in the meeting organised for ONGC-BSIP MoU ***at ONGC, Dehradun*** on 13th February 2020.
- Presented “Palynological and carbon isotopic signatures of early Eocene hyperthermal event from Kutch Basin, Western India.” in ***International Virtual Conference on Earth’s Changing Climate: Past, Present & Future*** during 15th -17th October 2020 Virtually held at BSIP.
- Presented “Evidences of floral diversity changes in the western Indian palaeo-equatorial region across the early Eocene warming event (ETM2).” in ***the***

NECLIME online conference 2022 during 21st -24th November 2022 (online conference).

- Learnt applications of palynology used in biostratigraphy in the field of fossil fuel exploration and seen the case studies in ***Training on applied biostratigraphy*** held Online during 29th March to 10th May, 2021 by Ingeoexpert, London
- Learnt facts and case study in ***Training on Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act 2013*** held on 21st and 22nd December, 2021, by National Productivity Council, Ministry of Commerce and Industry, Govt. India.
- Presented the completion status for evaluation of DST-SERB sponsored project entitled, “Biostratigraphy of Kerala Basin based on palynology and calcareous nannofossils: implications on palaeovegetation and palaeoclimate.” on 13th July 2022 in ***1st Group Monitoring meeting of Programme Advisory Committee (PAC)-Earth & Atmospheric Sciences (E&AS)*** is held at Babasaheb Bhimrao Ambedkar University, Lucknow, U.P.
- Participated as an expert member in nation conference and field workshop on ***“Kachchh paleo-rift Basin: an Ideal tectonic and sedimentary package for Indian geoheritage”***organised during 11th-14th February, 2023, by KSKV Kachchh University, Bhuj and The society of Earth Scientists, Lucknow UP.
- Presented the expertise of BSIP in the field of petroleum exploration in the meeting organized at ***OIL, Duliajan***, Assam during 26th -27th May, 2023.
- Participated NECLIME workshop on ***“Evidence and drivers for origin and appearance of modern plants and vegetation types”*** during 1st and 4th December 2023.

Training/Technical Support Rendered:

- Imparted summer training on “Tertiary palynology and its applications with special reference to Matanomadh lignite, Kutch Basin, Gujarat” to **Deepak Agarwal, B. Tech (III rd year), University of Petroleum & Energy studies, Dehradun** (May-June, 2012)
- Imparted summer training on “Tertiary palynology and its applications with special reference to spore-pollen and dinoflagellate cysts of Naredi Formation (Early Eocene), Exposed at Nareda, Kutch Basin, Gujarat.” to **Anuradha Awasthi, M.Sc. Environmental Science, Babasaheb Bhimrao Ambedkar University, Lucknow (A Central University)**(June to July, 2013)
- Hosted BSIP stall at ***35th Indian International Trade Fair -2015*** during November 20th -24th, 2015 held at New Delhi, India.
- Hosted BSIP stall at ***Indian International Science Festival -2015*** during December 4th -8th, 2015 at IIT, Delhi, India.
- Scientific Programming Committee of ***International Conference on 3rd NECLIME Asian Meeting*** during February 23th -24th, 2016 Lucknow, India.

- Hosted BSIP stall at ***District level Science Exhibition and Competition***, Lucknow during October 22nd, 2016 at CMS, Gomti Nagar extension, Lucknow.
- Delivered the invited lecture on topic “cenozoicpalaeopalynology and its applications” on 15th February 2023 at Department of Earth and environmental science, KSKV Kachchh University, Bhuj.
- Supervised M.Sc. dissertation on topic “Cenozoic palynology: methodology and its implications in palaeoenvironmental studies” to **Ms. Vaishali Ghosh from the Institute of Hydrocarbon, Energy and Geo-resources, ONGC-Center of Advanced Studies, University of Lucknow.** (August to October, 2023).
- Edited **Rajbhasha Hindi** annual magazine of BSIP (*Puravigyan Smarika*, Vol.2)
- Imparted training to officers of ONGC on various aspects related to Palynology and its applications in between 2022 to 2023.
- Delivered various lectures for **AcSIR Ph.D, Course Work organized by BSIP.**

Professional memberships

- Member, International Organization of Palaeobotany (IOP)
- Member, The Palaeobotanical Society of India
- Member, The Palaeontological Society of India

Poonam Verma