CURRICULUM VITAE

DR. SWATI TRIPATHI

Scientist 'E',

Quaternary Palynology Division,

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Research Interest:

- Quaternary Vegetation and Climate change through biological proxies especially pollen, spores, diatoms, etc.
- Melissopalynology; Copropalynology
- Ethnobotany
- Examining morphology of pollen in living plants.

Educational Qualification:

- Ph.D. (Palaeobotany) awarded in 2011 from University of Lucknow.
- M.Sc. (Botany) awarded in 2007 from University of Lucknow, **Triple Gold Medalist**.
- B.Sc. (Zoology, Botany, Chemistry) awarded in 2005 from University of Lucknow.
- Intermediate passed from CBSE in 2002.
- High School passed from CBSE in 2000.

Medals/Honour:

- **Birbal Sahni Memorial Gold Medal 2007** for obtaining highest percentage of marks in M.Sc (Botany), Lucknow University.
- **Kamayani Memorial Gold Medal 2007** for obtaining highest percentage of marks among girls candidate in M.Sc (Botany), Lucknow University.
- **Sri Rakeshwar Lal Sinha & Smt. Prema Sinha Gold Medal 2007** for obtaining highest percentage of marks among successful women candidate in M.Sc (Botany), Lucknow University.
- **Dr. B.S. Venkatachala Memorial Gold Medal 2012** for the outstanding piece of research work in Palaeobotany, BSIP, Lucknow.
- **Dr. Chunni Lal Khatiyal Medal 2016** for the outstanding piece of research work in Palaeobotany among Scientist B of BSIP, Lucknow.
- Elected as an **Associate in Indian Academy of Sciences, Bangalore** from 2017-2021.
- Received **SERB Women Excellence Award-2019.**

Awards in National and International events:

- Received **Young Scientist Award** in IPC/IOPC-2012 joint conference and congress held in Tokyo, Japan from 23rd-30th August, 2012.
- **Best poster award** in National Conference in Recent Developments in Plant and Earth sciences 2013.
- **Best poster award** in National Hindi Science Symposium at IITM, Pune, 2014.
- **Best poster award** in Women Scientists & Entrepreneur Conclave in India International Science Festival-2018 held at Indira Gandhi Pratishthan, Lucknow.
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- **Best poster award** in XXVIII Indian Colloquium on Micropalaeontology & Stratigraphy held during May, 4th-6th, 2022 at SPP University, Pune.
- **Mani Shankar Shukla Memorial Gold Medal – 2025** by the Palaeontological Society of India at its Platinum Jubilee Conference, held at the National Institute of Oceanography, Goa (29–31 October 2025).
- Selected as an **INSA Associates – 2025.**

Work Experience:

- Worked as **Junior Research Fellow** in DST sponsored project dealing with Quaternary palaeovegetation and climate changes from upper Assam area through pollen records.
- Worked as **Birbal Sahni Research Associate** in BSIP Project from Upper Assam and adjoining areas of Arunachal Pradesh.
- Worked as **Scientist-B** in Quaternary Palynology Division of BSIP, Lucknow.
- Worked as **Scientist-C** in Quaternary Palynology Division of BSIP, Lucknow.
- **Worked as Scientist-D in Quaternary Palynology Division of BSIP, Lucknow.**
- Presently working as **Scientist-E (level: 13)** in Quaternary Palynology Division of BSIP, Lucknow.

Present Project title (April 2019-onwards):

- Response of Vegetation to the Holocene Climatic changes and anthropogenic induced changes across Barak and Brahmaputra valley of Assam, northeast India ***(working as PI; BSIP-in house project)*** **(2019-2025).**
- Holocene vegetation reconstruction, climate change, extreme events and anthropogenic impact in the Himalayan region **(2025-2029).**
- Quaternary Monsoon/Climate Reconstruction through high-resolution multi-proxy studies of lacustrine archives along the East-West Corridor in India (QLDP-Phase 2) **(2025-2029).**

Sponsored Project

1. Late Quaternary Vegetation and Climate oscillation from endangered wetlands and surrounding reserve forests of Manipur, northeast India: based on pollen and NPP records ***(worked as PI; Fast track young scientist project sponsored by SERB, New Delhi, September 2015- March 2019).***
2. Climate induced Holocene vegetation response and anthropogenic impact in Majuli Island of Assam, northeast India based on multiproxy records **(*worked as PI under SERB Women Excellence Award-2019; sponsored by SERB, New Delhi, June 2019-onwards).***

List of Research papers (66):

Impact factor journals (47):

1. **Tripathi Swati***, Garg A, Pandey A, Singh P, Singh A, Sharma A. 2026. Micro-morphometry of cereal and non-cereal pollen using LM, CLSM and FESEM: Implications for past anthropogenic activities in the Central Ganga Plain India. The Holocene (Sage), 09596836251414010 https://doi.org/10.1177/09596836251414010. (Impact Factor-2.2, Q1).
2. Pandey A., **Tripathi Swati***, Basumatary SK, Khan S, Singh H, Thakur B, Sharma A. 2026. Hydroclimatic variability and vegetation response over the last four millennia: Multiproxy records from Majuli Island, Northeast India. Review of Palaeobotany and Palynology (Elsevier), 105536. https://doi.org/10.1016/j.revpalbo.2026.105536. (Impact Factor-1.7, Q1).

3. Pandey, A., **Tripathi Swati***, Samal, P. et al. Quantitative assessment of modern pollen analogue from Majuli Island, Northeast India: insights into vegetation–climate dynamics and human impact. Environmental Monitoring & Assessment 198, 264 (2026). https://doi.org/10.1007/s10661-026-15101-x. (Impact Factor-3.1, Q2).
4. Pandey A., **Tripathi Swati***, Singh H. 2026. Reconstructing mid–late Holocene ecosystem dynamics in the Upper Brahmaputra Valley of Assam, Northeast India, using non-pollen palynomorphs (NPPs). Journal of the Palaeontological Society of India. https://doi.org/10.1177/05529360251409913. Online First, 30th March. (Impact Factor-0.6, Q3).
5. **Tripathi Swati***, Anis N, Vaish S, Kumar A, Singh K, & Arya AK. (2025). Potential in Palaeoecological Reconstruction from Modern Pollen Calibrations along the Kukrail Reserve Forest, Central Ganga Plain, India. Journal of the Palaeontological Society of India, 70(1), 274-292. https://doi.org/10.1177/05529360251320221. (IF: 0.6, Q4).
6. Basumatary SK, Van Asperen EN, Vaish S, **Tripathi Swati**, McDonald HG, Gogoi R, & Arya, A. K. (2025). Palaeoecological and palaeoherbivory dynamics in Kaziranga National Park: Late Holocene vegetation shifts and large mammal biogeography. Catena, 263, 109762. https://doi.org/10.1016/j.catena.2025.10976. (Impact Factor-5.7, Q1).
7. Pandey A, **Tripathi Swati***, Kumar B, Singh P, Singh H, Shukla AN, & Garg A. (2025). Spore morphology of *Adiantum* species from the Indian subcontinent using LM and FESEM: palaeoecological analysis and phylogenetic delineation. Palynology, 49(2). https://doi.org/10.1080/01916122.2024.2427638 (IF: 1.3, Q2).
8. Garg, A., & **Tripathi Swati*** (2025). Pollen morphometric analogue in *Adansonia digitata* L. from India: implications for taxonomy, systematics and evolution. Grana, 64(2–3), 90–112. https://doi.org/10.1080/00173134.2025.2499518. (IF: 1.0, Q2).
9. Basumatary SK, **Tripathi Swati**, Basumatary K, Thakur B, & Tiwari, P. (2025). Modern pollen deposition in relation to different vegetation types in the Jaintia Hills of Meghalaya, Indo-Burma region: implications for palaeoecological reconstructions. Grana, 64(1), 13–25. https://doi.org/10.1080/00173134.2025.2459612 (IF: 1.0, Q2).
10. Singh N, Mitra D, Lenka R, Chatterjee P, Basumatary SK, & **Tripathi Swati**. (2025). Among hawkmoths (Sphingidae, Lepidoptera), Macroglossinae dominate pollen transportation in central and East Himalaya (North-East India). Arthropod-Plant Interactions 19, 20 (2025). https://doi.org/10.1007/s11829-024-10127-9. (IF: 1.8, Q2).
11. Mitra D, Chowdhury M, Singh N, Basumatary SK, & **Tripathi Swati** (2025). Pollen morphological analogue of some Himalayan angiosperm species from Arunachal Pradesh,

Northeast India. Palynology, 50(1). https://doi.org/10.1080/01916122.2025.2552471. (IF: 1.3, Q2).

12. Basumatary SK, van Asperen EN, McDonald HG, **Tripathi Swati**, Gogoi R. 2024. Pollen and non-pollen palynomorph depositional patterns in Kaziranga National Park, India: implications for palaeoecology and palaeoherbivory analysis. 10.1177/09596836231211851. ***The Holocene***. (IF-2.3).
13. K Prasanna, Sarkar A, Sharma A, MC Manoj, **Tripathi Swati,** Thakur B, Kamlesh K, Ranhotra PS, Pandey S, Trivedi A, Quamar MF, Srivastava J, Rahi IC. 2024. Heavy Metal Pollutants and Their Spatial Distribution in Surficial Sediments from the Gangetic Plains, Central, and Western Parts of India. ***Soil and Sediment Contamination: An International Journal***, 1–21. https://doi.org/10.1080/15320383.2024.2395948. (Impact factor: 1.6).
14. **Tripathi Swati***, Thakur B*, Sharma A*, Phartiyal B, Basumatary SK, Ghosh R, Kumar K, MC Manoj, Agrawal S, Farooqui A, Tiwari P, Saikia K, Tiwari A, Pandey A, Ali Nazakat, Agnihotri R, K Prasanna, Morthekai P, Ranhotra PS, Pandey S, Bose T. 2023. Modern biotic and abiotic analogues from the surface soil of Ganga-Ghaghara-Gandak interfluves of the Central Ganga Plain (CGP), India: Implications for the palaeoecological reconstruction. ***Catena*** 224: 106975. https://doi.org/10.1016/j.catena.2023.106975. (IF-6.36).
15. **Tripathi Swati**, Pandey, A. 2023. Palynological response deduced through spatially distinct surface samples to reconstruct palaeoecology and palaeoclimate of the Barak Valley, Assam (Indo-Burma region), northeast India. ***Journal of the Palaeontological Society of India***, 68(2), 154-172. https://doi.org/10.1177/05529360231205316 (IF-0.65).
16. **Tripathi Swati**, Garg A, Shukla AN, Farooqui A, Pandey A, Tripathi T, Singh VK. 2022. Pollen micro-morphometry of two endangered species of *Rauvolfia* L. (Apocynaceae) from the Indo-Gangetic Plains of Central India using LM, CLSM and FESEM. ***Palynology*** **(Taylor & Francis)**. DOI: 10.1080/01916122.2022.2072966. (IF: 1.4).
17. Kar R, Mishra K, Quamar F, Bajpai Mohanty R, Agrawal S, **Tripathi Swati**, Mishra AM. 2022. A high-altitude calibration set of modern biotic proxies from the Western Himalaya, India: Pollen–vegetation relation, anthropogenic and palaeoclimatic implications. ***Catena*** 211: 106011. DOI: 10.1016/j.catena.2021.106011. (IF: 6.36).
18. Pokharia AK, Basumatary SK*, Thakur B, **Tripathi Swati**, McDonald HG, Tripathi D, Tiwari P, Van Asperen E, Spate M, Chauhan G, Thakkar MG, Srivastava A, Agarwal S.

2022. Multiproxy analysis on Indian wild ass (*Equus hemionus khur*) dung from Little Rann of Western India and its implications for the palaeoecology and archaeology of arid regions. ***Review of Palaeobotany & Palynology*** 304: 104700. DOI: 10.1016/j.revpalbo.2022.104700. (IF: 1.7).

19. **Tripathi Swati***, Basumatary SK, Pandey A, Khan S, Tewari P, Thakur B. 2021. Palaeoecological changes from 580 to 1220 CE from the Indo-Burma region: A biotic assessment from the Barak Valley of Assam, northeast India. ***Catena*** 206: 105487. (IF: 6.36).
20. Basumatary SK, Gogoi R, **Tripathi Swati**, Ghosh R et al. 2021. Red Panda feces from Eastern Himalaya as a modern analogue for palaeodietary and palaeoecological analyses. ***Nature Scientific Reports*** 11(1): 18312. (IF: 3.8).
21. Basumatary SK, **Tripathi Swati**. 2021. Is Bat Guano a potential pollen trap? A comparative assessment from conventional soil and moss substrates from Eraaning Cave of Meghalaya, India. ***Review of Palaeobotany & Palynology*** 295: 104539. (IF: 1.7).
22. **Tripathi Swati***, Thakur B, Nautiyal CM, Bera SK. 2020. Floristic and Climatic reconstruction in Indo-Burma region for the last 13000 cal yr: A palynological interpretation from endangered wetlands of Assam, northeast India. ***The Holocene*** 30(2): 315-331.
23. Basumatary SK*, **Tripathi Swati**, Abdul Zalil, Azizur Rahman. 2020. A comparative assessment of pollen in modern vegetation and bat guano in Pipulbari Cave of Meghalaya, India. ***Review of Palaeobotany & Palynology*** 274: 104157.
24. Basumatary SK*, Singh H, van Asperen EN, **Tripathi Swati**, McDonald HG, Pokharia AK. 2020. Coprophilous and non-coprophilous fungal spores of *Bos mutus* modern dung from the Indian Himalaya: implications to temperate palaeoherbivory and palaeoecological analysis. ***Review of Palaeobotany & Palynology*** 277: 104208.
25. **Tripathi Swati***, Basumatary SK, Singh, YR, McDonald HG, Tripathi D, Singh, LJ. 2019. Multiproxy studies on dung of endangered Sangai (*Rucervus eldii eldii*) and Hog deer (*Axis porcinus*) from Manipur, India: Implications for palaeoherbivory and palaeoecology. ***Review of Palaeobotany & Palynology*** 263: 85-103.
26. Farooqui A*, **Tripathi Swati**, Garg A, Shukla AN, Murthy S, Prasad V, Sinha GP. 2019. Palaeotropical lineage of Indian water Primrose (*Ludwigia* L., Onagraceae) using pollen morphometric analysis ***Review of Palaeobotany & Palynology*** 269: 64-77.
27. Basumatary SK*, Singh H, McDonald HG, **Tripathi Swati**, Pokharia AK. 2019. Modern botanical analogue of endangered Yak (*Bos mutus*) dung from India: Plausible linkage

with extant and extinct megaherbivores. ***PLoS ONE*** 14(3): e0202723. https://doi.org/10.1371/journal.pone.0202723. (Impact factor: 2.9).

28. **Tripathi Swati***, Farooqui A, Singh VK, Singh S, Roy RK. 2018. Morphometric analysis of Ceiba Mill. (Bombacoideae, Malvaceae) pollen: a sacred plant of the Mayan (Mesoamerican) civilization. ***Palynology***. https://doi.org/10.080/0191622.2018.1467350. (Impact factor: 1.4).
29. Basumatary SK*, Nautiyal CM, Ghosh R & **Tripathi Swati**. 2018. Modern pollen deposition in wetlands of Majuli Island and its implication to decipher palaeoflood episodes in northeast India. ***Grana*** 57(4): 273-283. https://doi.org/10.1080/00173134.2017.1404628 (Impact factor: 1.3).
30. **Tripathi Swati**, Singh YR, Nautiyal CM, Thakur Biswajeet. 2018. Vegetation history, monsoonal fluctuations and anthropogenic impact during the last 2,330 years from Loktak Lake (Ramsar site), Manipur, northeast India: a pollen based study. ***Palynology*** 42(2): 406-419. https://doi.org/10.1080/01916122.2017.1375441.
31. Bera SK, **Tripathi Swati**, Gupta SC, Bera S. 2018. Pollen and spores in yellow rain from Lucknow, northern India. ***Palynology (taylor & francis)*** 42(4): 504-515. https://doi.org/10.1080/01916122.2017.1411845.
32. **Tripathi Swati**, Singh S, Roy RK. 2017. Pollen morphology of *Bougainvillea* (Nyctaginaceae): a popular ornamental plant of tropical and sub-tropical gardens of the world. ***Review of Palaeobotany & Palynology*** 239: 31–46. https://doi.org/10.1016/j.revpalbo.2016.12.006.
33. **Tripathi Swati**, Basumatary SK, Bera SK, Brahma M, Sarma GC. 2017. A palynological study of natural honeys from the Bongaigaon district of Assam, northeast India. ***Palynology (taylor & francis)*** **41**(3): 389-400. https://doi.org/10.1080/01916122.2016.1217950.
34. Narayana AC*, Prakash Vinu, Gautam PK, **Tripathi Swati**. 2017. Holocene environmental changes as recorded in sediments of a paleodelta, southwest coast of India. ***Quaternary International*** **443**: 115-123. https://doi.org/10.1016/j.quaint.2017.04.016.
35. **Tripathi Swati***, Arya A, Basumatary SK, Bera SK. 2016. Modern pollen and its ecological relationships with the tropical deciduous forests of central Uttar Pradesh, India. ***Palynology (taylor & francis)*** 40(2): 264–279. https://doi.org/10.1080/01916122.2015.1045049.
36. Basumatary SK, **Tripathi Swati***, Bera SK, Nautiyal CM, Devi N & Sarma GC. 2015. Late Pleistocene palaeoclimate based on vegetation of the Eastern Himalayan foothills in

the Indo-Burma. ***Palynology (taylor & francis)*** 39(2): 220-233. https://doi.org/10.1080/01916122.2014.945665.

37. **Tripathi Swati***, Basumatary SK, Singh VK, Bera SK, Nautiyal CM & Thakur, Biswajeet. 2014. Palaeovegetation and Climate oscillation of western Odisha, India: a pollen data-based synthesis for the Mid-Late Holocene. ***Quaternary International*** 325: 83-92. (Impact factor: 1.9). https://doi.org/10.1016/j.quaint.2013.12.005.
38. Basumatary SK*, **Tripathi Swati**, Bera SK & Kumar Subodh. 2014. Pollen morphology of *Nepenthes khasiana* Hook. f. (Nepenthaceae): an endemic insectivorous plant of India. ***Palynology (taylor & Francis)*** 38: 324-333. https://doi.org/10.1080/01916122.2014.912993.
39. Basumatary SK, **Dixit Swati**, Bera SK & Mehrotra RC. 2013. Modern pollen assemblages of surface samples from Cherrapunjee and its adjoining areas, Meghalaya, northeast India, ***Quaternary International*** 298: 68-79.
40. Bera SK*, **Dixit Swati** & Mandaokar BD. 2012. Late Holocene vegetation development and climate fluctuations in and around Northeastern Tripura, India. ***Memoir of the Geological society of India*** 77: 371-379.
41. **Dixit Swati** & Bera SK. 2013. Pollen-inferred Vegetation vis a vis Climate dynamics since Late Quaternary from Western Assam, Northeast India: signal of global climatic events. ***Quaternary International*** 256: 56-68.
42. **Dixit Swati** & Bera SK. 2012. Pollen rain studies in wetland environ of Assam, Northeast India, to interpret present and past vegetation. ***International journal of Earth Science and Engineering*** 4(4): 719-724.
43. Bera SK, Basumatary SK, Nautiyal CM, **Dixit Swati**, Mao AA & Gogoi R. 2011. Late Holocene climate and vegetation change in Dzuko valley, Northeast India. ***Journal of the Palaeontological society of India*** 56 (2): 143-148.
44. **Dixit Swati** & Bera SK. 2011. Holocene climatic fluctuation from lower Brahmaputra floodplain of Assam, Northeast India. ***Journal of Earth System Science***. 121(1): 135-147.
45. Bera SK, **Dixit Swati**, Saini DC & Sekar B. 2011. Impact of metal concentration and pollen preservation in Copper and Manganese ore rich soil from Balaghat District, Madhya Pradesh: Mineral indicator plants and fungal remains. ***International Journal of Earth Science and Engineering*** 4(4): 719-724.

46. **Dixit Swati** & Bera SK. 2011. Mid-Holocene Vegetation and Climatic variability in Tropical deciduous Sal (*Shorea robusta*) forest of Lower Brahmaputra valley, Assam, Northeast India. ***Journal of the Geological society of India*** 77 (5): 419-432.
47. Bera SK, **Dixit Swati**, Basumatary SK & Gogoi Rajib. 2008. Evidence of biological degradation in sediments of Deepor Beel Ramsar site, Assam as inferred by degraded palynomorphs and fungal remains. ***Current Science*** 95: 178-180.

Non-Impact factor journals (19)

1. Ranjan R, **Tripathi Swati**. 2024. Modern Pollen Assemblage and Micro-morphometric Analysis of Arboreal and Non-arboreal Taxa from Lucknow District of Central Ganga Plain, India: A Window to Palaeoclimatic Studies. In: Samant, B., Thakre, D. (eds) Applications of Palynology in Stratigraphy and Climate Studies. Society of Earth Scientists Series. Springer, Cham. https://doi.org/10.1007/978-3-031-51877-5_9
2. **Tripathi Swati**, Srivastava J, Garg A, Khan S, Farooqui A, Quamar MF, Thakur B, Ranhotra PS, Basumatary SK, Trivedi A, Pandey S, Anupama K, Prasad S, Reghu N. 2022. Surface pollen quantification and floristic survey at Shaheed Chandra Shekhar Azad (SCSA) Bird Sanctuary, Central Ganga Plain, India: a pilot study for the palaeoecological implications. ***Journal of Palaeosciences*** 71(2): 159–176. DOI: 10.54991/jop.2022.1838.
3. Garg A, **Tripathi Swati**, Farooqui A, Shukla A. 2022. Palynological remarks on the taxonomic status of *Ludwigia octovalvis* subsp. *sessiliflora* (Micheli) P.H.-Raven: LM and FESEM studies. ***Tropical Plant Research*** 8(3): 203–209. DOI: 10.22271/tpr.2021.v8.i3.025.
4. Pandey A, **Tripathi Swati**, Basumatary SK. 2022. Non-Pollen Palynomorphs from the Late-Holocene Sediments of Majuli Island, Assam (Indo-Burma Region): Implications to Palaeoenvironmental Studies. In: Phartiyal, B., Mohan, R., Chakraborty, S., Dutta, V., Gupta, A.K. (eds) Climate Change and Environmental Impacts: Past, Present, and Future Perspective. Society of Earth Scientists Series. Springer, Cham. DOI: 10.1007/978-3-031-13119-6_5.
5. Basumatary SK, **Tripathi Swati**, Bera SK. 2021. Early Holocene pollen record of vegetation and climate history in response to the monsoonal activity in East Garo Hills, Meghalaya, India. ***Journal of Palaeosciences*** 69: 51-61. https://doi.org/10.54991/jop.2020.30.

6. Basumatary SK, **Tripathi Swati**, Thakur Biswajeet, Jalil A, Rahman A. 2018. Mid-Holocene vegetation and climatic changes in southwestern Garo hills, Meghalaya, northeast India based on pollen records. ***Geophytology*** 48(2): 103-112.
7. **Tripathi Swati**, Basumatary SK, Bera SK, Mehrotra RC, Sarma GC. 2016. Modern pollen- vegetation relationship from the tropical forest of eastern buffer zone of Manas National Park, Assam, northeast India. ***Geophytology*** 46(2): 121–131.
8. Basumatary SK, **Tripathi Swati**, Jalil A & Rahman A. 2015. Pollen deposition pattern in Kathali wetland and its adjoining areas of Garo Hills, Meghalaya, northeast India. ***Journal of Palaeosciences*** 64: 169-176. https://doi.org/10.54991/jop.2015.112.
9. Bera SK, **Dixit Swati** & Gupta Kanupriya. 2013. Late Holocene climate and vegetation succession as inferred from Jokai reserve forest, Dibrugarh, Assam: Pollen record and Anthropogenic impact. ***51 Years after Daojali-Hading: Emerging Perspectives in the Archaeology of Northeast India.***
10. Bera SK, Gupta, Kanupriya, Basumatary SK and **Tripathi Swati**. 2013. Incidence of differential pollen dispersal in different tiers of reserve forests, Northeast India: A twin study based on spider webs and air catches. ***Journal of Applied Biosciences*** 39 (2): 63-73.
11. Bera SK*, Gupta, Kanupriya, Basumatary SK, **Dixit Swati**, Rahman, A. 2013. Pollen sedimentation in Urpad beel, Assam: Evidence of biological degradation in wetland environ, Northeast India. ***Journal of Applied Biosciences*** 39 (1): 10-15.
12. **Dixit Swati***, Basumatary SK, Singh H & Bera SK. 2013. Melissopalynological studies of western part of Almora District, Uttarakhand. ***Journal of Palaeosciences*** 62: 39-46. https://doi.org/10.54991/jop.2013.335.
13. **Dixit Swati** & Bera SK. 2013. Vegetation vis a vis Climate change around Bhogdoi swamp in Lower Brahmaputra flood plain of Assam, Northeast India since late Holocene. ***Journal of Palaeosciences*** 62: 19-27. https://doi.org/10.54991/jop.2013.332.
14. **Dixit Swati**, Basumatary SK, Bera, SK, Rahman A, Rabha Debojit & Thomas Soumya 2012. Melissopalynological investigations from Goalpara District of Assam, Northeast India. ***Journal of Palynology*** 47: 77-87.
15. Bera SK & **Dixit Swati.** 2011. Pollen analysis of Late Holocene lacustrine sediment from Jeypore reseve forest, Dibrugarh, Assam. Geological process and climate change, pp. 85-94, Macmillan Publishers India Ltd.

16. Bera SK & **Dixit Swati.** 2010. Pollen morphological and phenological characteristics in some economically important plant taxa from reserve forests of Dibrugarh District, Assam. ***Journal of the Indian Botanical Society*** 89(1&2): 111-126.
17. Bera SK, Basumatary SK & **Dixit Swati.** 2009. Studies on pollen morphology and phenological characteristics of some economically important arborescent taxa of Tropical forest lower Brahmaputra Valley, Assam, North East India. ***Journal of Palynology***. 43: 1-9.
18. Bera SK, **Dixit Swati**, Basumatary SK & Sarma GC. 2009. Pollen analysis of honey from Kamrup reserve forests, Assam. ***Journal of Palynology*** 43: 57-65.
19. Bera SK, Basumatary SK & **Dixit Swati.** 2008. Ethnomedicinal plants used among bodo tribe of Assam, Northeast India. ***Journal of the Indian Botanical society*** 87(3&4): 242-247.

Note: *=Corresponding author

Scopus h-index: 17; i10-index: 15; total citations: 506

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Research report published

- **Tripathi Swati***, Mehrotra M. 2025. Mawmluh Cave in Northeast India: Cradle of the Meghalayan Age. Palaeoscience Today. Vol. 1 (2), Pgs. 10-12, BSIP, Lucknow.
- **Tripathi Swati***. 2025. Tiny Grains, Big Stories: Reconstructing Ancient Climates with Pollen. Palaeoscience Today. Vol. 1 (1), Pgs. 41-45, BSIP, Lucknow.
- Garg A, **Tripathi Swati***. 2025. Revisiting Adansonia digitata L. (Baobab) in the lndian Context: Pollen Morphometry, Dating, and Evolutionary Significance. Quaternary Chronicle. Vol. 7(2), Pgs. 21-22, AOQR.
- **Tripathi Swati***, Basumatary SK, Mitra D. 2025. Pollination Ecology of Hawkmoths in Central and Eastern Himalayas (North-East India). Quaternary Chronicle. Vol. 7(1), Pgs. 9-10, AOQR.

- Pandey A, **Tripathi Swati**. 2025. Adiantum Spore (Maiden-Hair fern) morphometry from the Indian sub-continent using advanced microscopic techniques to delineate the palaeoecology and its evolutionary pathways. Quaternary Chronicle. Vol. 7(1), Pgs. 11-12, AOQR.
- Agarwala M, Ramya Bala P, Kulkarni C, Sukumar R, Quamar MF, **Tripathi Swati,** Balasubramanian K, Anupama K. Learning from the past: collaborating across times for landscape management for conservation. Current Science. 127 (8), October 2024.
- **Tripathi Swati**, Pandey A, Saxena A, Das N, Bhandari A, Roy I, Joshi P, Singh SP, Singh G, Tomar N, Agnihotri P, Mishra DP. 2022. 28th Indian Colloquium on Micropalaeontology and Stratigraphy. Journal of Palaeosciences 71: 117-120. DOI: 10.54991/jop.2022.999.
- **Tripathi Swati**. 2022. Bat Guano substrates: a tool for developing modern pollen analogue in Meghalaya. Quaternary Chronicle Newsletter 4(1): 8, Association of Quaternary Researchers.
- Pandey A, **Tripathi Swati**. 2022. Non-pollen palynomorphs (NPPs): a tool for palaeoecological interpretation. Quaternary Chronicle Newsletter 4(2): 4, Association of Quaternary Researchers.
- **Tripathi Swati**. The 10th European Palaeobotany and Palynology Conference-2018, Dublin, Ireland. J Geol Soc India 92, 769 (2018). https://doi.org/10.1007/s12594-018-1101-2.
- Khan S, Azharuddin S & **Tripathi Swati**. National Conference on Climate Change and Natural Resources: Impact and Sustainable Development in Indian Perspective. J. Geol Soc India 91, 643 (2018). https://doi.org/10.1007/s12594-018-0917-7.
- **Tripathi Swati**, Quamar MF, Ghosh R. et al. 5th International Conference on Plants and Environmental Pollution, Lucknow, India. J Geol Soc India 85, 633–636 (2015). https://doi.org/10.1007/s12594-015-0259-7.
- **Tripathi Swati**, Quamar MF, Ghosh, R. et al. 5th International Conference on Plants and Environmental Pollution, Lucknow, India. Jour. Geol. Soc. India 85, 633–636 (2015). https://doi.org/10.1007/s12594-015-0259-7.
- **Dixit Swati**, Quamar MF, Kar R. The 13th International Palynological Congress and 9th International Organization of Palaeobotany Conference-2012, Tokyo, Japan. Jour. Geol. Soc. India, vol.81, June 2013.

Conference attended and abstract published in abroad:

1. Pandey A, **Tripathi Swati**, Singh H. 2025. Reconstructing Mid–Late Holocene Palaeoecological Dynamics in the Upper Brahmaputra Valley of Assam, Northeast India, Through Non-Pollen Palynomorph(NPP) Analysis. American Geophysical Union, Advancing Earth and Space Science, from 15th to 19th December, 2025, at New Orleans, LA, USA (hybrid mode).
2. **Tripathi Swati**, Basumatary SK, Singh H, McDonald HG, Pokharia AK. 2023. Multiproxy analysis of endangered Yak (Bos mutus) dung from Indian Himalaya: Implications for palaeoecology and palaeoherbivory. 21st INQUA Congress, Rome, **Italy**, July 15th (session: 109) (oral).
3. **Tripathi Swati**, Pandey A, Basumatary SK, Khan S, Thakur B. 2023. Climate induced vegetation alterations in Majuli Island (world largest river island) of northeast India for the last 4100 cal. BP: an interpretation based on modern pollen calibrations. 21st INQUA Congress, Rome, **Italy**, July 17th (session: 98) (Poster).
4. **Tripathi Swati**, Farooqui A, Singh VK, Singh S, Roy RK – Comparative morphological analysis of *Ceiba* Mill. (Bombacoideae, Malvaceae) pollen through FESEM, CLSM and LM: A sacred plant of Mayan (Mesoamerican civilization). *10th European Palaeobotany & Palynology Conf*., University College Dublin, **Dublin**, Ireland, August, 2018. (oral)
5. Narayana AC, Prakash V, Gautam PK, **Tripathi Swati**, Bera SK. 2014. Environmental and Climate Change during the Holocene: Inferred from Sedimentary Record/Proxies of a Paleodelta region, Southwest Coast of India. *Amer. Geophysical Union fall Meeting*. San Francisco, USA, December, 2014 (Poster ID-PP 43B-1478, 18-12-2014).
6. **Dixit Swati** & Bera SK. 2012. Pollen recorded Vegetation and Climate dynamics since Late Quaternary from Deepor wetland-Ramsar site of Assam, Northeast India: in relevance to global climatic events and human impact. 9th IOP/13th IPC-2012, Tokyo, **Japan**, pp. 47-48. 23rd to 30th August, 2012 (Oral).
7. Bera SK & **Dixit Swati**. 2012. Late Holocene vegetational and climatic changes as inferred from radiocarbon dates and palynodata of older alluvial sediments on the south bank of the Brahmaputra flood plain, Northeast India. 9th IOP/13th IPC-2012, Tokyo, **Japan**, pp. 14. 23rd to 30th August, 2012 (Oral)
8. **Dixit Swati** & Bera SK. 2011. Late Quaternary climatic fluctuations from Lower Brahmaputra valley of Assam, Northeast India: in context with global climatic events.

World Conference on Palaeontology and Stratigraphy, Nakhon Rachasima, **Thailand**, pp. 198. 28th Nov to 2nd Dec. (Oral).

Workshop and Training Programme attended:

- Attended a workshop on "Sedimentology and Sequence Stratigraphy" during 26th - 31st, October, 2009 at BSIP, Lucknow.
- Participated actively in a training programme on Cenozoic Dinoflagellate cysts (theoretical classes at BSIP, Lucknow and field visit to Goa) for the collection of samples during 14th -26th February, 2011.
- Attended a training program on Palaeosols during 6th-12th November, 2013 at BSIP, Lucknow.
- Attended a Hindi workshop in National Research Laboratory for Conservation of Cultural Property on 1st March, 2017.
- Attended a workshop on Quantitative modern pollen relationship in Nawabganj forest, Unnao.
- Attended a lecture delivered by Dr. Robert J. Morley (Director, Palynova Ltd.) on topic 'Palynology in Indonesia: an overview of Quaternary studies, Cenozoic stratigraphic Palynology and Sequence Biostratigraphy' on July, 4th 2020.
- Attended a webinar on Palynology and Climate (Session 1) organized by the American Association of Stratigraphic Playnologists (AASP) on July 21st, 2020.
- Delivered a lecture in Hindi on the topic 'Biodiversity and ecological studies based on Meghalayan Caves' in Hindi Workshop on July, 29th, 2020 at BSIP.

Invited talks in prestigious scientific meetings:

- **Tripathi Swati –** Delivered an invited talk entitled 'Hydroclimatic Variability and Vegetation Response over the Last Four Millennia: Multiproxy Records from Majuli Island (World's Largest River Island), Northeast India' as an INSA Associates under *Sectional Committee IV 'Earth & Environmental Sciences'* at Amity University, Noida on December 2nd, 2025 *(as part of Celebration of Science Week at Delhi-2025 and 91st Anniversary General Meeting of the Indian National Science Academy).*

- **Tripathi Swati –** Multiproxy studies on dung of endangered Sangai (*Rucervus eldii eldii*) and Hog deer (*Axis porcinus*) from Manipur, India: Implications for paleoherbivory and paleoecology. *84th Annual meeting of Indian Academy of Sciences*, Banaras Hindu University, Varanasi, November, 2018.

Training imparted:

- Supervising 3 Ph.D. Scholars (1 Ph.D. awarded to Lucknow University; 1 on-going from BHU and 1 on-going under AcSIR).
- Imparted training to several Botany and Geology students for their M.Sc. dissertation.
- Acted as supervisor for four M.S. Geology students under Summer Research Fellowship program of Indian Academy of Sciences, Bangalore.

Membership:

- Life member of the Palaeobotanical society of India.
- Life member of the Palynological society of India.
- Life member of the Palaeontological Society of India.
- Life member of the International Society of Applied Biology.
- Annual member of International Organization of Palaeobotany (IOP).
- Annual member of AASP-The Palynological Society of America.
- Life member of Association of Quaternary Researchers (AOQR).

Member, Editorial Board:

- Journal of Palaeosciences (Sage)
- Journal of Plant Science & Research (open access)
- Palaeoscience Today (BSIP NewsLetter)