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CURRICULUM VITAE

PROFESSIONAL APPOINTMENTS

- Junior Scientific Officer at Birbal Sahni Institute of Palaeosciences: 1994
- Research Associate of CSIR: 1993 (continued till 1994)
- Senior Research Fellow: 1989 (continued till 1992)
- Junior Research Fellow: 1987 (continued till 1989)

EDUCATION

- Doctor of Philosophy in Science (Botany): 1992 (Centre of Advance Study in Botany, University of Burdwan)
- Master of Science (Botany): 1987 (Session 1983-85), 1st Class, Stood Second (Centre of Advance Study in Botany, University of Burdwan)
- Bachelor of Science (Hons. In Botany): 1984 (Session 1980-83), 1st Class (University of Burdwan)

RESEARCH INTEREST

- Evolution and diversity of past life on planet earth.
- Reconstruction of the past environment and geodynamic evolution.
- Continental correlation of past climate records with special emphasis on the major climatic events.

TEACHING, RESEARCH AND ADMINISTRATIVE EXPERIENCE

- More than 36 years of Research Experience.
- Undergraduate Teaching: 1988.
- Resource person of UGC sponsored Orientation Courses and Refresher Courses for University and College Faculty Members in Allahabad University and University of Burdwan.
- Guidance to Ph. D. students: since 2009.
- Coordinator, Ph. D. Course Work of BSIP: 2017-2019.
- Group Coordinator, ACSIR Ph. D. Course Work of BSIP: 2019 - 2022.

POST-DOCTORAL RESEARCH

Agency	Host Institution	From	To
Research Associate (CSIR)	(CSIR, New Delhi) CAS in Botany University of Burdwan	1993	1994
INSA-DFG Visiting Scientist – 2006, under INSA (Indian Science Academy) - DFG (German Science Foundation) Bilateral Exchange Programme.	Institute of Geosciences, Tuebingen, Germany	March, 2007	June, 2007
National Science Foundation (USA) and MoEs, Government of India, New Delhi	Shipboard Scientist in IODP Expedition 342	June 01, 2012	July 30, 2012

HONOURS, AWARDS & ACHIEVEMENTS

Name of the Academic Body/Agency	Academic distinction obtained
Government of India	National Merit Scholarship during M. Sc. course of Study (1984-1986)
Research Associate (CSIR, New Delhi)	(CSIR, RA) University of Burdwan, 1993-1994.
Birbal Sahni Institute of Palaeobotany (presently Palaeosciences), Lucknow	Dr. Chunnilal Khatiyal Medal (1998) for the best piece of Research Work done in BSIP during April 01, 1995 to March 31, 1998
Birbal Sahni Institute of Palaeobotany (presently Palaeosciences), Lucknow	Sri Chandra Dutt Pant Medal (2005) for the best piece of Research Work done (in BSIP during April 01, 2002 to March 31, 2005
Department of Science and Technology, Government of India	Delegation of Indian scientists (under National Training Programme for Scientists & Technologists in Government Sector) during May to June 2006
INSA-DFG Visiting Scientist, under INSA (Indian Science Academy) - DFG (German Science Foundation)	Visiting Scientist, Institute of Geosciences, Tuebingen, Germany; March 2007 to June 2007
National Science Foundation (USA) and MoEs, Government of India, New Delhi	Nominated to participate as a Shipboard Scientist in Integrated Ocean Drilling Program (IODP Expedition 342). June 01, 2012 to July 30, 2012
Palaeontological Society of India, Lucknow	Nominated as a Life Member, Since 2006
Palaeobotanical Society of India, Lucknow	Elected Fellow, Since 2012
National Academy of Sciences India, Allahabad	Nominated Life Member, Since 2012
Gondwana Geological Society of India	Nominated Fellow, Since 2014
Palaeobotanical Society of India, Lucknow	Elected Secretary, Since 2019
Journal of Environmental Biology	Nominated as a member of Editorial Board during 2016-2019
Journal of Environmental Biology	Associate Editor for a Special Volume - 2016
Journal Geophytology	Elected Chief Editor during 2015 to 2018
Journal Palaeobotanist	Nominated Editor during 2018-2019
Ph. D. Course Work of BSIP	Coordinator, during 2017-2019
Palaeobotanical Society of India, Lucknow	Elected Secretary, during 2018-2021
International Fossil Algae Association	Elected President International Fossil Algae Association (2015 - 2019)
BSIP, Lucknow and International Fossil Algae Association	Organizing Secretary & President of 12 th International Symposium on Fossil Algae 2019
Botanical Society of Bengal	Professor A. K. Ghosh Memorial Award 2019
Principal Project Investigator	MoES (IODP) Sponsored Project Since 2021

PH. D. THESIS AWARDED/PURSUING UNDER SUPERVISION: 7

VISIT ABROAD

Country Visited	Year of Visit	Duration of Visit	Purpose of Visit
Greece (University of Thessaloniki)	2001	18-25 August, 2001.	To participate and present a research paper in 7th International Phycological Congress, 2001.
Thailand (Chiang-Mai University)	2003	2-9 February, 2003.	To participate and Chair a Scientific Session in 8th International Congress on Pacific Neogene Stratigraphy.
Taiwan and Singapore	2006	27 May to 07 June, 2006.	Visit to Scientific Institutions/Laboratories as a member of delegation of Indian scientists (under National Training Programme for Scientists & Technologists in Government Sector, Sponsored by DST, New Delhi, Government of India).
Germany (Institute of Geosciences, University of Tuebingen)	2007	March 2007 to June 2007 (3 months).	INSA-DFG Visiting Scientist –under INSA (Indian Science Academy) - DFG (German Science Foundation) Bilateral Exchange Programme.
Romania (Department of Geology, Babes-Bolyai University, Cluj-Napoca)	2011	16-18 September, 2011	To participate and Chair a Scientific Session in 10th International Symposium on Fossil Algae.
Canada (Newfoundland Shipboard Scientist in IODP Expedition 342)	2012	June 01 to July 30, 2012 (2 months).	Nominated to participate as a Shipboard Scientist in Integrated Ocean Drilling Program (IODP Expedition 342). Sponsored by National Science Foundation (USA) and MoEs, Government of India, New Delhi.
China (Chinese Science Academy, Beijing and Xinxiang)	2012	18-24 September, 2012	To participate as a member of Academic Council and to present a paper in 3rd Sino-Indian International Conference, Xinxiang and to visit Institute of Botany, Chinese Science Academy, Beijing China.
Japan (Okinawa)	2015	16-18 September, 2015	To participate and Chair a Scientific Session in 11th International Symposium on Fossil Algae.
Greece (Athens)	2017	24-28 September, 2017	To participate and present a research paper in International Nannoplankton Association Conference (INA16).
Germany (Berlin)	2018	25-30 June, 2018.	To participate and present a research paper in 25th International Diatom Symposium.

PUBLICATIONS DURING THE LAST 10 YEARS:

1. Roy, L., McCartney K., **Ghosh, A.K.**, Bhaumik A.K., Sensarma, S. 2023. Tortonian silicoflagellates from the offshore of northeast Indian Ocean. *Deep-Sea Research Part II*, 210 (2023) 105297. <https://doi.org/10.1016/j.dsr2.2023.105297>.
2. McCartney K., Chakraborty, A., **Ghosh, A.K.**, Soeding E. and Rout V. 2023. Diversity and evolution of late Eocene to late Oligocene silicoflagellates from IODP Expedition 378 Holes U1553A and U1553B, southwest Pacific Ocean. *Marine Micropaleontology*, 179: 102215. DOI:10.1016/j.marmicro.2023.102215.
3. **Ghosh, A.K.** 2023. An assumption of the past climate and environment in millennial and centennial scale. *Journal of Environmental Biology*, 44(1): I-II. DOI: <http://doi.org/10.22438/jeb/44/1/Editorial>.
4. Dey R., **Ghosh A.K.**, Roy L., Chakraborty A., Bhaumik A.K. & Saxena S. 2022. Burdigalian–Serravallian radiolarians from Havelock Island, Northeast Indian Ocean and their palaeoecological significance. *Micropaleontology*, 68(4): 345-374 DOI: 10.47894/mpal.68.4.01.
5. Saxena S., Chakraborty A., Galović I. Roy L. & **Ghosh A. K.** 2022. New insights on the earliest occurrence, evolutionary lineage, palaeogeography and palaeoclimatic implications of Ceratolithaceae: Evidence from Adriatic Sea, Indian Ocean and the Paratethys. *Marine Micropaleontology* DOI: 10.1016/j.marmicro.2022.102111.
6. Kapur, V.V., Kumar, K., Pandya, P.J., **Ghosh, A.K.**, Chakraborty,A.,Sharma, A., Chauhan, G. and Thakkar, M.G.. 2022. Oldest Asian Record of Snapping Shrimps (Alpheidae) from Kutch Basin, Western India and Associated Biota: Biostratigraphic, Palaeoenvironmental and Palaeoecological Significance. *Acta Geologica Sinica* (English). doi: 10.1111/1755-6724.14951.
7. Rahiminejad, A.H., Yazdi, M., **Ghosh, A.K.** 2022. Paleoecology of Lower Miocene coralline red algae-rich grainstone facies in the Qom Formation (Vartun section, central Iran). *Boletín de la Sociedad Geológica Mexicana*, 74 (2), A020122. DOI: 10.18268/BSGM2022v74n2a020122.
8. Roy L., **Ghosh A.K.**, Bhaumik A.K., Chakraborty A., Sensarma, S., Dey R. & Saxena S. 2022. Diatom assemblages from the Tortonian of northeast Indian Ocean (NGHP-01-17A): its correlation with significant radiolarian and calcareous nannofossil events. *Micropaleontology*. 68 (1): doi.org/10.47894/mpal.68.1.0X.
9. Chakraborty A., **Ghosh A.K.** and Saxena S. 2021. Neogene calcareous nannofossil biostratigraphy of the northern Indian Ocean: Implications for palaeoceanography and palaeoecology. *Palaeogeography, Palaeoclimatology, Palaeoecology*.579,110583.
10. Pramanik S., Keshri J.P., Kar R. & **Ghosh A.K.** 2021. Megaspores of heterosporous lycopsid affinity from the late Permian of Chhattisgarh, Central India and their evolutionary significance. *Journal Botanical Society of Bengal*. 75 (2): 1-16.

11. Dey R., **Ghosh A.K.**, Bhaumik A.K., Chakraborty A., Saxena S. and Roy L. 2021. Late Pliocene to early Pleistocene planktonic foraminifera from Northern Indian Ocean (Andaman and Nicobar Islands): Interpretation on cooling event and ocean upwelling. *Journal of Foraminiferal Research*. 51(3): 115-138.
12. Chakraborty A. and **Ghosh A.K.** 2021. Early Pliocene low primary productivity: Evidence from Car Nicobar Island, northern Indian Ocean. *Journal of the Geological Society of India*. 97(8): 893-899.
13. **Ghosh A. K.**, Chatterjee R, Kar R & Pramanik S. 2021. Radiation of flora in the early Triassic succeeding the end Permian crisis: Evidence from the Gondwana sediments of Tatapani-Ramkola Coalfield of Peninsular India. *Mesozoic Stratigraphy in India* (Springer Nature Switzerland) https://doi.org/10.1007/978-3-030-71370-6_3.
14. Chakraborty A., **Ghosh A.K.**, McCartney, K., Saxena S., Dey R. and Roy L. 2021. Early Pliocene calcareous and siliceous microfossils of the Sawai Bay Formation, Car Nicobar Island, northern Indian Ocean. *Acta Geologica Polonica*. 71(2): 175-198.
15. Chakraborty A., **Ghosh A.K.** and Agrawal S. 2020. Late Pliocene *Ditrupa gracillima* (Annelida, Polychaeta): Inferences based on ultrastructure and stable oxygen and carbon isotopic signature. *Micropaleontology*. 66(6): 491-501.
16. Saxena S., Chakraborty A., **Ghosh A.K.**, Dey R., Roy L. and Keshri J.P. (2021) Burdigalian to early Serravallian diatom biostratigraphy from Havelock Island, Northern Indian Ocean. *Stratigraphy and Geological Correlation*. 29(2): 241-262.
17. Dey R., Chakraborty A., **Ghosh A.K.**, Saxena S. and Roy L. 2020. Marine benthic flora and associated faunal remains from the Palaeocene of Karasur Formation (Puducherry) of Cauvery Basin, southern India and their significance in deciphering palaeoecology. *Journal of the Botanical Society of Bengal*, 74(1), 68-78.
18. Basso D., Chakraborty A. and **Ghosh A.K.** 2020. A report on the 12th International Symposium on Fossil Algae (Lucknow, India-September 16-18, 2019). *Carnets de Geology*, 20(MR01), 41.
19. Singh A D, **Ghosh A K**, Mehrotra R C, Patnaik R & Tiwari M. 2020. Recent Advances in Understanding Neogene Climatic Evolution: Indian Perspective. *Proc. Indian Natn. Sci. Acad.* 86(1): 379-388.
20. Chakraborty, A., **Ghosh, A.K.**, Dey, R., Saxena, S. & Mazumdar, A. 2019. Record of Miocene Climate Optimum in the Northeast Indian Ocean: Evidence from the microfossils. *Palaeobiodiversity and Palaeoenvironments*. 99(2): 159-175
21. Kar R. & **Ghosh Amit K.** 2018. First record of *Reduviasporonites* from the Permian-Triassic transition (Gondwana Supergroup) of India. *Alcheringa*. doi.org/10.1080/03115518.2018.1465595.
22. **Ghosh Amit K.**, Kar R & Chatterjee R., Chakraborty A. & Banerji J. 2018. Two new conifers from the Early Cretaceous of the Rajmahal Basin, India: implications on palaeoecology and palaeogeography. *Ameghiniana*. 55(4): 437-450.

23. Kar R., Saha S., Haque F., Pramanik S. & **Ghosh A. K.** 2018. Occurrence of Barakar (Early Permian) coal from Barapukuria Basin, Bangladesh. *Geophytology* 48(2): 125-129.
24. **Ghosh Amit K.**, Chakraborty A. & Mazumdar A. 2017. *Halimeda* bioherms from the Serravallian (Middle Miocene) of Little Andaman Island, India. *Micropaleontology*. 63(1): 67-76.
25. Keshri J.P., **Ghosh Amit K.**, Ghosh S., Roy S & Chakraborty A. 2017. Fresh water planktonic algae from oligotrophic habitat of West Bengal with special remarks on taxonomy and ecology. *Journal of Environmental Biology*. 38: 1441-1447.
26. Chakraborty A., **Ghosh Amit K.** & Mazumder A. 2017. Facies analysis of Pleistocene limestones from Neil West Coast Formation, Neil Island, Ritchie's Archipelago of South Andaman. *Journal Geological Society of India*. 90: 428-436.
27. Chakraborty A. & **Ghosh Amit K.** 2017. Siliceous Microfossils of the Neogene Sediments from Northern Indian Ocean. *Micropaleontology and its Applications*, Scientific Publishers, India. pp. 163-189.
28. **Ghosh Amit K.**, Kar R & Chatterjee R. 2016. Reassessment of the macroflora of the Parsora Formation with remarks on the age connotation. *Journal of the Palaeontological Society of India*. 61(2): 225-238.
29. Chakraborty A. & **Ghosh Amit K.** 2016. Ocean upwelling and intense monsoonal activity based on late Miocene diatom assemblages from Neil Island, Andaman and Nicobar Islands, India. *Marine Micropaleontology*, 127: 26-41.
30. Sarkar S, **Ghosh Amit K.** & Rao G.M.N. 2016. Coralline algae and benthic foraminifera from the Long Formation (late middle Miocene) of the Little Andaman Island, India: biofacies analysis, systematics and palaeoenvironmental implications. *Journal Geological Society of India*, 87: 69-84.
31. Keshri J.P., **Ghosh Amit K.** & Roy S. 2016. On the occurrence of four diatom taxa from Eastern India with a taxonomic note. *Journal of Botany*, doi. 10.1155/2016/1039265.
32. Chakraborty A. & **Ghosh Amit K.** 2015. *Acrobotrys disolenia* Haeckel from the late Miocene of Andaman and Nicobar Islands. *Current Science*, 108(11): 1990-1993.
33. Kar, R, **Ghosh Amit K** & Tewari R. 2015. Report on International Conference on Current perspectives and emerging issues in Gondwana evolution, India, 19-25 February 2015, Lucknow, India. *Journal of Palaeontological Society of India*, 60(2), pp. 147-150.
34. Chakraborty A., Padmavati G. & **Ghosh Amit K.** 2015. Tidal variation of phytoplanktons in the coastal waters of South Andaman, India. *Journal of Environmental Biology*, 36(1): 207-214.
35. **Ghosh Amit K.**, Kar R. & Chatterjee R. 2014. Leaf galls on *Dicroidium hughesii* (Feistmantel) Lele from the Triassic of India – a new record. *Alcheringa*, 39(1): 92-98.
36. Chatterjee R., **Ghosh Amit K.**, Kar R. & Rao G.M.N. 2014. Dwarfism and Lilliput effect: A case study on the Glossopteris from the late Permian and early Triassic of India. *Current Science*, 107(10): 1735-1744.

37. Sarkar S. & **Ghosh Amit K.** 2014. Evaluation of coralline algal diversity from the Serravallian carbonate sediments of Little Andaman Island (Hut Bay), India. *Carbonates & Evaporites*, 30(1): 13-24.
38. Pal P.K., **Ghosh Amit K.**, Kar R. Singh R.S., Sarkar M. & Chatterjee R. 2014. Reappraisal of the genus *Dicroidium* from India. *Palaeobotanist*, 63: 137-155.
39. Mehrotra R.C., Kumar M., **Ghosh Amit K.**, Kumar K. & Arya R. 2014. Plant remains from the Tharumsa Formation of Ladakh, India. *Journal Geological Society of India*, 83: 647-652.
40. Norris R.D., Wilson P.A., Blum P. & the Expedition 342 Scientists (**Ghosh Amit K.**) 2014. *Proceedings of the Integrated Ocean Drilling Program 342*, doi:10.2204/iodp.proc.342.2014.
41. Chakraborty A., Padmavati G., **Ghosh Amit K.**, Singh R.S. & Pal P.K. 2014. Phytoplankton diversity in the coastal waters of Port Blair, South Andaman, India. *Geophytology*, 44 (1): 9-18.
42. Sarma A., **Ghosh Amit K.** & Sarkar S. 2014. First record of Coralline Red Algae from the Kopili Formation (late Eocene) of Meghalaya, N-E India. *National Academy Science Letters-India*, 37 (6): 503-507.
43. **Ghosh Amit K.** & Sarkar S. 2014. Eutrophication: A formidable foe. *Everyman's Science*, Vol. XLVIII (5): 358-363.
44. **Ghosh Amit K.** & Sarkar S. 2013. Diversification of the Family Sporolithaceae: A Case of Successful Survival in the Perspective of Cretaceous – Tertiary Mass Extinctions in India. *National Academy Science Letters-India*, 36(2): 215–224.
45. **Ghosh Amit K.** & Sarkar S. 2013. Facies characterization and palaeoenvironment of coralline algal reef deposits from the Guitar Formation (Middle Pliocene) of Car Nicobar Island, India. *Geoscience Frontiers*, 4(6): 755-764.
46. **Ghosh Amit K.** & Sarkar S. 2013. Palaeoecological Implications of Coralline Red Algae and Halimeda Green Algae from the Prang Formation of South Shillong Plateau, Meghalaya. *Journal Geological Society of India*, 81: 531-542.
47. **Ghosh Amit K.**, Sarma A. & Sarkar S. 2013. Diversity of Middle Eocene Coralline Red Algae from the Prang Limestone (Shella Formation) of Jaintia Hills, Meghalaya, NE Himalaya, India with special emphasis on palaeoenvironment. *Chinese Science Bulletin*, 58 (Supplement I): 118-125.
48. **Ghosh Amit K.** & Sarkar S. 2013. Fossil calcareous algae from the Hydrocarbon-Potential Sedimentary Basins of India. In: (Verma, P.K. Editor) *Selected Topics in Earth System Sciences*, Volume II, pp. 92-98.
49. Flemings P.B., Polito P.J., Pettigrew T.L., Iturrino G.J., Meissner E., Aduddell R., Brooks D.L., Hetmaniak C., Huey D., Germaine J.T. & the IODP Expedition 342 Scientists (**Ghosh Amit K.**). 2013. The Motion Decoupled Delivery System: A New Deployment System for Downhole Tools is Tested at the New Jersey Margin. *Scientific Drilling*, 15: 51-56.