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Publications (Year Wise)

1. Bhattacharya, K. and Datta B.K., 1992. Anthesis and pollen release of some plants of West Bengal, India. Grana.31: 67-71.
2. Mandal, S., Datta,B.K. and Bhattacharyya, G.N.1993. Biochemical analysis of the allergenic pollen of *Madhuca indica* Gmel. And *Spathodea campanulata* Beauv. Aerobiologia, 9: 197-200.
3. Sanyal,M. N. and Datta, B. K.1995. Studies on Hydrophytes of Bankura, West Bengal. Indian J. of Applied and Pure Biology, 10(1): 1-6.
4. Datta, B. K. and Mandal, Sudhendu 1998. A contribution to the Forest Trees of Birbhum District, West Bengal (India). Heigher Plants of Indian Sub continent, VIII: 35-52.
5. Datta, B. K. and Debnath, M..2000. Herbaceous flora of Agartala, Tripura. Indian J. of Applied and Pure Biology, 15(2): 97-107.

6. Saha,R. and Datta, B.K. 2005.Studies on in vitro Pollen Germination of two Leguminosae Taxa: *Sesbania grandiflora* Pers. and *Cassia siamea* Lamk. Indian J. of Palynology, 41: 67-69.
7. Saha,R. and Datta, B.K. 2006. Species diversity in *Dalbergia* Linn. f. and *Albizia* Durraz in Tripura. Proc. Biodiver. Conser. and Sus. Utiliz. Environ. Resource, 96-104.
8. Majumdar,K., Saha,R., Datta.B.K. and Bhakta,T. 2006. Medicinal Plants Prescribe by Different Tribal and Non-tribal Medicine Men of Tripura State.Indian Journal of Traditional Knowledge, 5 (4): 559-562. 2006
9. Saha, R.,Datta, B.K. and Bera, S. 2007. Pollen Analysis and Physico-chemical characteristic of some unifloral Honey in Tripura, India. Vegetos, 20(1):38-52
10. Datta, B. K., Majumdar,K. and Saha, R. 2007.Notes on some vanishing taxa of Tripura, India. Pleione, East Himalayan Society for Spermatophyte Taxonomy, 1(2):13 - 17.
11. Saha ,R., Bera,S. and Datta, B.K. 2007. Major Pollen Plant species in Relation to Honey Bees Activity in Tripura, India. Advance in Plant Science. 20(II):581-583.
12. Datta,B.K., Saha,R. and Choudhury,D. 2007. Aerobiology and Biochemistry of Two Allergenic Pollen Species: *Trema Orientalis* Bl. And *Peltophorum inerme* Llanos. Advances in Pollen Spore Research, XXV: 85 -91.
13. Majumdar,K. and Datta.B.K. 2007. A study on ethno-medicinal usage of plants among the folklore herbalists and Tripuri medical practitioners: Part-II. Natural Product Radiance, 6: 66-73.
14. Saha,R. and Datta, B. K. 2007. Floristic composition and Aerobiology of Udaipur Town, India. Environment and Ecology. 25S (3): 677-679
15. Saha,R., Bera, S., and Datta, B.K. 2007. Melittopalynological Investigation of *Apis cerena indica* Fabr. Honey from West Tripura, India. Advance in Plant Science. 20(II):569-576.
16. Bhowmik, S., Saha, S. and Datta, B.K. 2008. Aquatic and marshland plants in West Tripura,India.Pleione, East Himalayan Society for Spermatophyte Taxonomy. 2(1):3 - 11.
17. Bhowmik, S., Chaudhuri(Sil),D. and Datta, B.K. 2008. Epidermal morphology of two species of *Alternanthera* Forskal. Pleione, East Himalayan Society for Spermatophyte Taxonomy, 2(2): 229 -232.
18. Datta, B.K., Saha, R., Roy, M., and Majumder, K.2008. Grasses of West Tripura District, Tripura, India. Pleione, East Himalayan Society for Spermatophyte Taxonomy, 2(1): 98 - 105.

19. Majumdar, K., Saikia, B. and Datta, B.K. 2009. *Dioscorea hispida* Dennstedt (Dioscoreaceae)- a new recorded for Tripura, India. *Pleione, East Himalayan Society for Spermatophyte Taxonomy*, 3(2): 224 - 226.
20. Majumdar, K. and Datta, B.K. 2009. Traditional wild edible fruits for the forest dwellers of Tripura, India. *Pleione, East Himalayan Society for Spermatophyte Taxonomy*, 3(2): 167 - 178.
21. Das, H. B., Majumdar, K., Datta, B.K. and Roy, D. 2009. Ethnobotanical uses of some plants by Tripuri and Reang tribes of Tripura. *Natural Product Radiance*. 8(2): 172- 180.
22. Bhowmik, S., Chakma, B. and Datta, B.K. 2009. Occurrence of *Limnocharis flava* (L.) Buch.-Ham. (Alismataceae) in Tripura with notes on its karyotype and epidermal morphology. *Pleione, East Himalayan Society for Spermatophyte Taxonomy*, 23(1): 96 - 100.
23. Roy, M., Chakma, B. and Datta, B.K. and A.K. Gupta. 2010. Traditional knowledge of medicinal plants used by Chakma tribal community of Tripura, India. *Pleione, East Himalayan Society for Spermatophyte Taxonomy*, 4(1): 105-112, 2010.
24. Lodh, D., Sarakar, A., Majumdar, K., Datta, B.K. and Gupta, A.K. 2010. Bamboo diversity in Sipahijala Wildlife Sanctuary, Tripura, India. *Pleione, East Himalayan Society for Spermatophyte Taxonomy*, 4(1): 113-117, 2010.
25. Majumdar K and Datta B K. 2011. *Leucas biflora* (Vahl) R. Br. (Lamiaceae): A new distributional record and its less known ethnomedicinal usage from Tripura. *Indian Journal of Traditional Knowledge*, 10 (3): 575-577.
26. Majumdar K, Uma Shankar and Datta B K. 2011. Community structure and regeneration status of *Drosera burmanii* Vahl. , with new distributional record in Tripura, India. *Journal of Ecology and Natural Environment*, 3(13): 410-414,
27. Majumdar K, Datta B K and Uma Shankar. 2012. Ten new additions of tree species to the Tripura state, North East India: Distribution of extension and geographic map. *NeBio*, 3(1):17-24
28. Majumdar K, Das P and Datta B K. 2012. Seed germination and growth of *Bambusa tulda* Roxb. in tree cavity : an accidental phenomenon. *NeBio*, 3(2):53-58
29. Bhowmik, S. and Datta, B.K. 2012. Extended Distribution of *Utricularia bifida* Linn. (Lentibulariaceae) From India. *Researcher* 4(3):58-61
30. Bhowmik, S. and Datta, B.K. 2012. *Utricularia caerulea* L. (Lentibulariaceae) - A New Record from Tripura, North East India. *NeBio* 3(1):35-38

31. Majumdar, K., Shankar, U., & **Datta, B. K.** (2012). Tree species diversity and stand structure along major community types in lowland primary and secondary moist deciduous forests in Tripura, Northeast India. *Journal of Forestry Research*, 23(4), 553-568.
32. Bhowmik, S., & **Datta, B. K.** (2012). Pollen dimorphism of several members of Nymphaeaceae and Nelumbonaceae: an index of geographical and ecological variation. *Notulae Scientia Biologicae*, 4(3), 38-44.
33. Bhowmik, S., **Datta, B. K.**, Saha, A. K., & Kumar Datta, B. (2012). Determination of mineral content and heavy metal content of some traditionally important aquatic plants of tripura, India using atomic absorption spectroscopy. *Journal of Agricultural Technology*, 8(4), 1467-1476.
34. Bhowmik, S., & **Datta, B. K.** (2012). In vitro pollen germination of Eichhornia crassipes (Mart.) Solms: An insight into its preferred mode of clonal reproduction. *Notulae Scientia Biologicae*, 4(2), 65-71.
35. Deb, D., Darlong, L., Sarkar, A., Roy, M., & **Datta, B. K.** (2012). Traditional ethno-medicinal plants use by the Darlong tribes in Tripura, Northeast India.
36. Bhowmik, S., Saha, M., & **Datta, B.K.** (2012). Extended distribution of Rotala rotundifolia (Buch.-Ham. ex Roxb.) Koehne (Lythraceae) from India.
37. Majumdar, K., **Datta, B. K.**, & Shankar, U. (2012). Establishing continuity in distribution of Diploknema butyracea (Roxb.) HJ Lam in Indian subcontinent. *Journal of Research in Biology*, 2(7), 660-666.
38. Bhowmik, S., & **Datta, B. K.** (2012). Elemental analysis of some ethnomedicinally important hydrophytes and marsh plants of India used in traditional medicine. *Asian Pacific Journal of Tropical Biomedicine*, 2(3), S1227-S1231.
39. Bhowmik, S., **Datta, B. K.**, Saha, A. K., & Kumar Datta, B. (2012). Determination of mineral content and heavy metal content of some traditionally important aquatic plants of tripura, India using atomic absorption spectroscopy. *Journal of Agricultural Technology*, 8(4), 1467-1476.
40. Bhowmik, S., **Datta, B. K.**, Sarbadhikary, S. B., & Mandal, N. C. (2013). Contribution to the less known ethnomedicinal plants used by Munda and Santal community of India with their ethnomedicinal justification. *World Appl Sci J*, 23(10), 1408-1417.

41. Majumdar, K., & **Datta, B. K.** (2013). Fruit and seed discoveries In *Stichoneuron membranaceum* Hook. f.(stemonaceae): an endemic to Indo-myanmar. *Modern Phytomorphology*, 3, 39-44.
42. Bhowmik, S., & **Datta, B. K.** (2013). Pollen Morphology of some Carnivorous plants from Tripura, India. *International Journal of Fundamental and Applied Sciences (IJFAS)*, 2(2), 26-28.
43. Majumdar, K., & **Datta, B.K.** (2013). Practice pattern of traditional pharmaceutical formulations by the Tribes of Tripura, Northeast India. *Global J Pharmacol*, 7, 442-447.
44. Bhowmik, S., Ghosh, S., & **Datta, B. K.** (2013). *Acmella radicans* (Jacquin) R.K. Jansen [Asteraceae]-a new distributional record for Tripura in North East India. *Pleione*, 7(2), 574-578.
45. Saha, M., & **Datta, B. K.** (2013). New distributional record of *Solanum sisymbriifolium* Lamarek (Solanaceae) from Tripura, India. *Pleione*, 7(2), 579-582.
46. Bhowmik, S., **Datta, B. K.**, & Mandal, N. C. (2013). Traditional usage of medicinal plants among the Mog community people and their chemical justification. *Acta Biologica Indica*, 2(1), 361-366.
47. Majumdar, K., Sarkar, A., Deb, D., Majumder, J., & **Datta, B. K.** (2013). Distribution record of *Ensete glaucum* (Roxb.) Cheesm.(Musaceae) in Tripura, Northeast India: a rare wild primitive banana. *Asian Journal of Conservation Biology*, 2(2), 164-167.
48. Bhowmik, S., & **Datta, B. K.** (2013). Pollen production in relation to ecological class of some hydrophytes and marsh plants. *American Journal of Plant Sciences*, 4(2), 324.
49. Bhowmik, S., & **Datta, B. K.** (2013). *Dopatrium junceum* (Roxb.) Buch.-Ham. Ex Benth.-A New Record for the Flora of Tripura, India. *Journal of the Bombay Natural History Society (JBNHS)*, 168-169.
50. Majumdar, K., **Datta, B. K.**, & Shankar, U. (2013). *Bhesa robusta* (Roxb.) Ding Hou, Celastraceae: A New Distributional Record from Tripura, India. *Journal of the Bombay Natural History Society (JBNHS)*, 166-168.
51. Bhowmik, S., **Datta, B. K.**, Sarbadhikary, S. B., & Mandal, N. C. (2013). Contribution to the less known ethnomedicinal plants used by Munda and Santal community of India with their ethnomedicinal justification. *World Appl Sci*

J, 23(10), 1408-1417.

52. Majumdar K, **Datta B. K** and Uma Shankar. (2014). Trends in tree diversity and stand structure during restoration: a case study in fragmented moist deciduous forest ecosystems. *Journal of Ecosystem*, 2014: 1-10.
53. Majumdar K, **Datta B. K** and Uma Shankar. (2014). Lower altitudinal variation in habitat associations, tree diversity and co-dominant population structures along Sal (*Shorea robusta*) dominated moist deciduous forests in Northeast India. *Forest Science and Technology*, 9:1-12.
54. Majumdar K and **Datta B. K**. (2014). A quantitative checklist of woody angiosperm diversity, population structure and habitat grouping in Trishna Wildlife Sanctuary of Tripura, northeast India. *Check List* 10(5):976–996.
55. Majumdar K, **Datta B. K** and Uma Shankar. (2014). Vegetation characterization, quantitative assessment of woody plant diversity and stand structure in Trishna Wildlife Sanctuary: an important wildlife habitat of Northeast India. *Journal of Environmental Biology*, 36(2):408-418.
56. Saha M. and **Datta B. K**. (2014). Reproductive Biology of *Solanum viarum* Dunal (Solanaceae) in Northeast India. *Pleione*.8(2): 258-266.
57. Majumdar K, Nath A J, **Data B. K** and Gupta A. K. (2015). Bamboo invasion: threat to primate conservation in North East India. *Current Science*, 108(11):1969-1971.
58. Majumdar K, **Datta B. K**. (2015). Cachar tropical semi–evergreen forest type of Northeast India: status of species diversity, distribution and population structure. *Proceedings of the International Academy of Ecology and Environmental Sciences*, 5(3): 104-127.
59. Sutradhar B, Deb D, Majumdar K and **Datta B K**. (2015). Traditional dye yielding plants of Tripura, Northeast India, *Biodiversitas*, 16 (2): 121-127.
60. Majumdar K, **Datta B K**. (2015). Effects of anthropogenic disturbances over the vegetation diversity and structure: a case study in the remnant forests surrounding the village ecosystems of Tripura, Northeast India. *Chinese Journal of Population, Resources and Environment*, doi.org/10.1080/10042857.2015.1059791.
61. Majumdar K, Choudhary BK, **Datta B. K**. (2016). Aboveground woody biomass, carbon stocks potential in selected tropical forest patches of Tripura, Northeast India. *Open Journal of Ecology* 6 (10), 598.
62. Majumdar K, **Datta B. K**. 2016. Effects of patch size, disturbances on diversity and structural traits of tropical semi-evergreen forest in the lowland Indo Burma hotspot:

implication on conservation of the threatened tree species. *Journal of Mountain Science* 13 (8), 1397-1410.

63. Bhowmik S, **Datta B. K.**, Saha A. K, Chakma P, & Mandal N. C. (2016). Green Synthesis of Silver Nanoparticles from Several NTFP Plants. *Not Sci Biol*, 2016, 8(1):106-111. DOI: 10.15835/nsb.8.1.9742.
64. Majumdar K, **Datta B. K.** (2016). Impact of anthropogenic disturbances on diversity and structural attributes along protected reserve and unprotected village forest ecosystems in Tripura: part of the Indo-Burma hotspot. *Journal of Mountain Science*, Springer DOI:10.1007/s1162901536864.
65. Majumdar K, Majumder J and **Datta B. K.** (2016). Vegetation composition, structure and distribution status of trees used by two tropical fruit bat species in degraded habitats of Northeast India, *Zoology and Ecology*, Taylor and Francis DOI:10.1080/21658005.2016.1148978.
66. Saha M, and **Datta B. K.** (2016). Reproductive biology of *Solanum violaceum* Ortega (Solanaceae): an important medicinal plant in North-east India. *Journal of Botanical Society of Bengal*, 70 (1), 23-29.
67. Saha M, and **Datta B. K.** (2016). Reproductive biology of *Phlogacanthus thyrsiflorus* Nees: An important medicinal plant of North-east India. *International Journal of Plant Reproductive Biology*, 8 (2), 197-201.
68. Majumdar K, Choudhury B K, **Datta B K.** (2016). Changes of woody species diversity, horizontal and vertical distribution of stems across interior to outside within a primate rich habitat of Northeast India. *Journal of Forestry Research*, 27(4):787-798.
69. Debbarma J, Deb D, Deb S & **Datta B. K.** (2016). Traditional bone setting (TBS): An ethno-orthopedic healing practice of Tripura, NE India. *NeBIO* 7(2): 45-48.
70. Deb D, Deb S, Debbarma J & **Datta B. K.** (2016). Tree Species Richness and Carbon Stock in Tripura University Campus, Northeast India. *Journal of Biodiversity Management & Forestry*. 5. 1-7. 10.4172/2327-4417.1000167.
71. Deb D, **Datta B. K.**, Debbarma J & Deb S (2016). Ethno-medicinal plants used for herbal medication of jaundice by the indigenous community of Tripura, India. *Biodiversitas*, 17: 256-269.
72. Choudhary B. K, Majumdar K, **Datta B. K.** (2016). Tree Diversity and Ecosystem Carbon Stock Patterns Along Selected Land Use, Land Cover Systems in Tripura, Northeastern

India. *International Journal of Ecology and Environmental Sciences* 42 (S), 91-106.

73. Choudhary B. K, Majumdar K, **Datta B. K.** (2016). Carbon Sequestration Potential and Edaphic Properties Along the Plantation Age of Rubber in Tripura, Northeastern India. *Current World Environment*, 11(3): 756-766.
74. Choudhary B. K, Majumdar K, **Datta B. K.** (2016). Effects of Land Use on the Soil Organic Carbon Storage Potentiality and Edaphic Factors in Tripura, Northeast India. *American Journal of Climate Change*, 5: 417-429.
75. S, Bhowmik, S Das, **Datta B. K.,** (2017). Isolation and Characterization of Starch of some Medicinally Important Zingiberaceae Members. *Indian Forester*, 143 (4), 355-359.
76. Rani, R and **Datta, B.K.** (2017). Seedling characteristics of some medicinal plants of Lamiaceae. *Bioscience Discovery*, 8 (2): 324-327.
77. Saha M, **Datta B. K.** (2017). Diversity of Solanum L. (Solanaceae) in Tripura (India) including new records. *Pleione*, 11(1): 85 - 96.
78. Saha M, **Datta B. K.** (2017). Reproductive biology of *Solanum sisymbriifolium* Lamk. (Solanaceae) in Tripura, North-east India. *The International Journal of Plant Reproductive Biology* 9(1): 59-62.
79. Chowdhury, A.K. and **Datta, B.K.** (2017). Diversity, distribution and frequency based attributes of Phytoliths in some *Panicum* spp. Of Tripura, North East India. *Bioscience Discovery*, 8 (2): 224-234.
80. Baishnab B, Banik B, Majumdar K. and **Datta B. K.** (2017). Four new additions of orchid species for the flora of Tripura, North East India. *ENVIS Bulletin of Himalayan Ecology*, 25: 111-115
81. Kar, S. and **Datta, B. K.** (2017). Floral biology of *Cajanus cajan* (L.) Millsp. [Leguminosae] in Tripura (India). *Pleione*. 11(1): 104-11.
82. D. Adhikari, Z. Reshi, **Datta B. K.,** Samant S. S., A. Chettri, K. Upadhaya, M. A. Shah, P.
83. P. Singh, R. Tiwary, K. Majumdar, A. Pradhan, M. L. Thakur, N. Salam, Z. Zahoor, S. H. Mir, Z. A. Kaloo and S. K. Barik (2018). Inventory and characterization of new populations through ecological niche modelling improve threat assessment. *Current Science*, 114 (3): 519-531.
84. B. Banik, D. Deb, S. Deb, and **Datta B. K.** (2018). Assessment of Biomass and Carbon Stock in Sal (*Shorea robusta* Gaertn.) Forests under Two Management Regimes in Tripura, Northeast India. *Journal of Forest and Environmental Science*, 34(3): 209-223.

85. Deb D, Sarma D, Deb S. and **Datta B. K.** (2018). Notes on an Accidental Epiphytic Banana: *Musa acuminata* Colla (Musaceae) from Tripura, Northeast India. *Bioscience Discovery*, 9(1): 209-212.
86. Kar, S. and **Datta, B. K.** (2018). Reproductive biology of *Crotalaria spectabilis* Roth. *The International Journal of Plant Reproductive Biology*. 10(1): 38-43.
87. Sarma, D. Saha, A.K and **Datta B. K.** (2018). Bioactive compounds with special references to anticancer property of oyster mushroom *Pleurotus ostreatus*. *Journal of Pharmacognosy and Phytochemistry*. 7(4): 2694-2698.
88. Banik B, Majumdar K. Baishnab, B., and **Datta, B.K.** (2018). Impact of Tourism on Forest Habitat Surrounding in Unakoti: An Important Archaeological Site of Tripura, North-East India. Research & Reviews: *A Journal of Life Sciences*. 8(3): 50-66.
89. Haridasan K, Mao A. A., Janarthanam M. K., Barik S., Borthakur S. K., Pandey A. K., **Datta B. K.**, et al., (2018). Contributions of plant taxonomy, herbarium and field germplasm bank to conservation of threatened plants: case studies from the Himalayas and Eastern and Western Ghats. *Current Science*, 114(3): 512-519.
90. Das D, & **Datta B. K.**, (2018). New Distributional record of *Stephania glabra* (Roxb.) Miers (Menispermaceae) in Tripura, India and its domestication in Reang home gardens. *Pleione* 12(2): 337 - 340.
91. Das D, & **Datta B. K.**, (2018). An Assessment of plant diversity in home gardens of Reang community of Tripura. *Pleione* 12(2): 208 - 222. DOI: 0.26679/Pleione.12.2.2018.208-222.
92. Majumdar, K., Adhikari, D., **Datta, B. K.** et al. Identifying corridors for landscape connectivity using species distribution modeling of *Hydnocarpus kurzii* (King) Warb., a threatened species of the Indo-Burma Biodiversity Hotspot. *Landscape Ecol Eng* 15, 13–23 (2019). <https://doi.org/10.1007/s11355-018-0353-2>. [Impact factor: 1.813 (2020)]
93. Debnath S, Chakraborty K, **Datta B. K.** Das P, & Saha A.K. (2019). *Trichoglossum tetrasporum*, newly recorded from India. *Mycotaxon*, 134(1): 119-124(6). <https://doi.org/10.5248/134.119>.
94. Baishnab B, **Datta B. K.** (2019). The Genus *Dendrobium* Sw. (Orchidaceae) in Tripura, India. *Plant Science Today*, 6 (2): 190-200.
95. Baishnab B, Chowdhury A. K, **Datta B. K.** (2019). *Trichoglottis ramosa* (Lindl.) Senghas (Orchidaceae): An addition to the flora of Tripura. *Plant Science Today*, 6(4): 412-415 <https://doi.org/10.14719/pst.2019.6.4.574>.

96. Das D, Kar S, **Datta B. K.** (2019). New distributional record for two exotic invasive species: *Aeschynomene americana* L. and *Calopogonium mucunoides* Desv. in Tripura, North East India. *Pleione* 13(2): 417-421. DOI: 10.26679/Pleione.13.2.2019.417-421.
97. Choudhary B. K, Majumdar K, **Datta B. K.** (2019). Potential Biomass Pools and Edaphic Properties of Plantation Forest in Tripura, India. *International Journal of Ecology and Environmental Sciences* 45 (4): 369-381.
98. Kar S, Das D, Das A, **Datta B. K.** (2019). Ethnomedicinal uses of some legumes in Tripura, India. *Pleione* 13(2): 258 - 268.
99. Das D, Kar S, **Datta B. K.** (2019). *Dioscorea cumingii* Prain & Burkill – a new Das A, distributional record for Tripura in North-east India. *Pleione* 13(2): 430 - 432.
100. Kar S, Das A, Das D, **Datta B. K.** (2019). New distributional records of *Cleome rutidosperma* DC. And *Ruellia simplex* C.Wright for Tripura, India. *Pleione* 13(2): 425 - 429.
101. Sarma D, Basumatary P, **Datta B. K.** (2019). Allelopathic impact of *Melastoma malabathricum* L. on the seed germination and seedling growth of three agricultural crops. *The Journal of Indian Botanical Society* 98(4):183-193.
102. Kar S, Das A, **Datta B. K.** (2020). Phenological studies on *Ocimum gratissimum* L. *The International Journal of Plant Reproductive Biology* 12(1): 95-97. DOI 10.14787/ijprb.2020 12.1.
103. Das A, Kar S, **Datta B. K.** (2020). Morpho-metric study of four *Ocimum* taxa from Tripura. *Journal of Advanced Plant Sciences* 2020. 10(1): 36-41.
104. Rani R, **Datta B K** (2020). Seed and seedling morphology of some medicinal plants of family Malvaceae in Tripura, North-east India. *Plant Science Today*, 7(1):39-45. <https://doi.org/10.14719/pst.2020.7.1.643>.
105. Baishnab B, Majumdar K, **Datta B. K.** (2020). Anatomical Features a Moth Orchid, *Phalaenopsis deliciosa* subsp. *hookeriana* (O. Gruss & Roellke) from Tripura, Northeast India. *Indian Journal of Ecology*, 47(2): 426-430.
106. Bhattacharya P, Das A, Kar S, **Datta B. K.** (2020). Naturalization of *Brugmansia suaveolens* (Humb. & Bonpl. Ex Willd.) Bercht. & J.Presl and *Gaillardia pulchella* Fougeroux in Tripura, India. *Pleione* 14(1):167. DOI: 10.26679/Pleione.14.1.2020.167-171.
107. Debbarma S, Banik B, Baishnab B, **Datta B. K.**, Majumkar K. (2020). Diversity and distribution of figs in Tripura with four new additional records. *Journal of Threatened*

Taxa 12(11):16548-16570. DOI: 10.11609/jott.4975.12.11.16548-16570.

108. Debbarma S, Banik B, Majumdar K, **Datta B. K.** (2020). A new distributional record of *Ficus altissima* Blume (Moraceae) in Tripura: an occasionally confused fig species with *Ficus benghalensis* L *Plant Science Today*. 2020; 7(4):658–662. <https://doi.org/10.14719/pst.2020.7.4.896>
109. Dipan Sarma, **Datta B. K.** (2021). Plants used for jaundice among the ethnic people of north Tripura district (Tripura), Northeast India. *The Journal of Indian Botanical Society*. 101(1&2)
110. Biswajit Baishnab, Koushik Majumdar, **Datta B. K.** (2020). Anatomical features a moth orchid, *Phalaenopsis deliciosa* subsp. *Hookeriana* (O. Gruss & Roellke) from Tripura, Northeast India. *Indian Journal of Ecology*. 47(2)
111. Rashmi rani, **Datta B. K.** (2021). Seedling Morphology of Some Medicinal Plants from Leguminosae of Tripura, North-East India. *Ambient Science*. 8(01)
112. Rashmi Rani, **Datta B. K.** (2021). Phenetic analysis of some medicinal plants of Asteraceae of Tripura, North-east India. *Vegetos*. 34(2).
113. Kar, S., Debnath, A., **Datta, B. K.** (2021). The study of pollinators and pollination efficacy on *Melastoma malabathricum* from Tripura, India. *J. Botan. Soc. Bengal*. 75(2): 102-108.
114. Reang, M., Banik, B., Majumdar, K., & **Datta, B. K.** (2022). Original Research Article Quantitative Assessment of Bioresource Utilization Patterns by the Ethnic Communities of Tripura, India. *Journal of Bioresource*, 1(1), 27-48.
115. Paul, S., **Datta, B. K.**, Ratnaparkhe, M. B., & Dholakia, B. B. (2022). Turning waste into beneficial resource: Implication of *Ageratum conyzoides* L. In sustainable agriculture, environment and biopharma sectors. *Molecular Biotechnology*, 64(3), 221-244.
116. Paul, S., Banik, B., Dholakia, B. B., & **Datta, B. K.** (2022). Assessing karyotype diversity in the genus *Lathyrus* L.(Fabaceae). *Feddes Repertorium*, 133(3), 199-214.
117. Baishnab, Biswajit, Dixit Bora, Biplob Banik, Suman Paul, Dipan Sarma, Koushik Majumdar, and **Badal Kumar Datta**. "Comparative morpho-anatomical studies of two sections of the Genus *Dendrobium* Sw.(Orchidaceae)." *Vegetos* 36, no. 2 (2023): 377-392.
118. Rani, R., & **Datta, B. K.** (2022). Assessment of water quality of River Haora in Tripura, North-East India. *Int J Ecology Envntl Sc*, 4(2), 61-68.

119. Baishnab, B., Paul, S., Banik, B., Chowdhury, A. K., & **Datta, B. K.** (2022). Eight new additions to the Orchid flora of Tripura, NE India. *Nelumbo*, 210-219.
120. Debbarma, S., Banik, B., Tripura, R., Mili, M., Reang, M., Das, S., ... & **Datta, B. K.** (2022). Three new records of threatened *Ficus* sp. (Moraceae) in a subtropical region of Tripura, India. *Nelumbo*, 64(2), 220-226.
121. Bora, D., Das, S., Das, A., Bhattacharya, P., Banik, B., Biashnab, B., ... & **Datta, B. K.** *MURDANNIA EDULIS* (COMMELINACEAE): A NEW DISTRIBUTIONAL RECORD FOR TRIPURA, INDIA.
122. Paul, S., Das, R., Chetry, K., Baishnab, B., Banik, B., & **Datta, B. K.** (2023). Permanent floral closure enhances the reproductive efficiency in *Merremia umbellata* subsp. *orientalis* (Hallier f.) Ooststr.(Convolvulaceae). *Plant Ecology*, 1-10.
123. Reang, M., Sarma, D., & **Datta, B. K.** (2023). Proximate composition and antioxidant potentiality of underutilized and neglected edible plants for sustainable development in food security.
124. Reang, M., Sarma, D., Banik, B., Baishnab, B., Majumdar, K., **Datta, B. K.**, ... & Sarma, H. (2023). Value addition and bioprospecting of indigenous ethnic food, *Amorphophallus bulbifer* (Roxb.) Blume (Araceae) for sustainable livelihood. *Journal of Agriculture and Food Research*, 14, 100703.
125. Banik, B., Roy, S., Paul, S., Reang, M., Das, T., Majumdar, K., ... & **Datta, B. K.** (2023). Habitat characterizations and suitability analysis for conservation implications of *Gymnosphaera gigantea* (Wall. ex Hook.) SY Dong: a threatened tree fern. *Arabian Journal of Geosciences*, 16(7), 414.
126. Das, S., Bora, D., Banik, B., Das, A., Debbarma, S., Reang, M., ... & **Datta, B. K.** (2023). *Bonamia semidigyna* (Convolvulaceae): a new generic record for Eastern Himalaya region, India. *Vegetos*, 1-5.
127. Adhikari, D., Reshi, Z., **Datta, B. K.**, Samant, S. S., Chettri, A., Upadhaya, K., ... & Barik,
128. S. K. (2018). Inventory and characterization of new populations through ecological niche modelling improve threat assessment. *Current Science*, 519-531.
129. Das, A., Ngente, N. N., Bhattacharya, P., Kar, S., & **Datta, B. K.** AN ETHNOBOTANICAL SURVEY OF PLANTS USED BY THE PEOPLE OF THE HMAR TRIBE OF DIMA HASAO DISTRICT, ASSAM, NORTH EAST INDIA.

130. Das, A., Kar, S., Bhattacharya, P., Das, S., Bora, D., & **Datta, B. K.** (2023). Floral biology and phenological studies of *Datura metel* L. in Tripura, Northeast India, with special reference to floral morphotypes. *Plant Science Today*.
131. Das, S., Bora, D., Debbarma, S., Banik, B., Shil, S., & **Datta, B. K.** (2023). *Pogostemon paniculatus* (Willd.) Benth.(Lamiaceae) and *Cyclocodon lancifolius* (Roxb.) Kurz (Campanulaceae): Two new additions to the flora of Tripura, India. *Nelumbo*, 168-170.
132. Paul, S., Dholakia, B. B., & **Datta, B. K.** (2023). Reproductive biology and pollination ecology of *Ipomoea triloba* L. (Convolvulaceae) : An alien invasive species of the Indo- Burma biodiversity hotspot. *Plant Species Biology*.
133. Das, D., Kar, S., Das, A., Saha, S., Maity, D., & **Datta, B. K.** (2024). *Croton hirtus* L'Hér.: an addition to the flora of Northeast India. *Vegetos*, 1-5.
134. Paul, S., Gogoi, B., **Datta, B. K.**, & Dholakia, B. B. (2024). Resource distribution and reproductive efficacy of dimorphic stamens of *Senna occidentalis* (L.) Link: a case study on the division-of-labour hypothesis. *Brazilian Journal of Botany*, 1-14.
135. Paul, S., Roy, R., Singha, T., Debbarma, P., & **Datta, B. K.** (2024). Foraging behavior and pollination efficiency of generalist floral visitors of *Leucas aspera* (Willd.) link (Lamiaceae). *Journal of Asia-Pacific Biodiversity*.
136. Debbarma, S., Banik, B., Mili, M., Bora, D., Das, S., **Datta, B. K.**, & Baijnath, H. (2024). Cryptovivipary: A rare phenomenon in monoecious species of *Ficus* L. (Moraceae). *South African Journal of Botany*, 167, 391-398.
137. Bora, D., Borah, D., Hughes, M., Das, S., Banik, B., Debbarma, S., & **Datta, B. K.** (2024). *Begonia tripurensis* (Begoniaceae, sect. Platycentrum), a new species from Tripura, Northeast India. *Phytotaxa*, 640(2), 177-182
138. Das, S., Bose, A., Reang, M., **Datta, B. K.** (2024). Underutilized legumes of India: a potential food resource for the future. *Discov. Plants* 1, 55 <https://doi.org/10.1007/s44372-024-00055-6>
139. Paul, S., Singha, T., Roy, R., Tayeng, O., Sangdo, E., Debbarma, P., ... & **Datta, B. K.** (2025). The effectiveness of pollinators and their foraging behavior on *Neustanthus phaseoloides* (Fabaceae). *The Science of Nature*, 112(2), 1-13.
140. Banik, B., Roy, S., Paul, S., Reang, M., Majumdar, K., Baishnab, B., ... & **Datta, B. K.** (2025). Habitat characteristics and modeling current and future potential distributions of *Canarium strictum* using MaxEnt: a threatened socioeconomically significant plant of Northeast India. *Landscape and Ecological Engineering*, 1-28.

141. Das, D., Kar, S., Das, A., Saha, S., Maity, D., & **Datta, B. K.** (2025). *Croton hirtus* L'Hér.: an addition to the flora of Northeast India. *Vegetos*, 38(1), 197-201.
142. Das, S., Paul, S., Kar, P., Mili, M., Bose, A., & **Datta, B. K.** (2025). Contribution to the Palynology and Its Taxonomic Relevance in Selected Taxa of Papilionoideae (Fabaceae) From Northeast India. *Microscopy Research and Technique*.
143. Das, S., Kar, S., Das, A., Banik, B., Mili, M., Bose, A., Bhattacharya, P., Debbarma, S., Bora, D. and **Datta, B.K.**, 2025. Evaluating the palynological features of economically significant Chilli crop through light and scanning electron microscopy. *Discover Plants*, 2(1), pp.1-14.
144. Debbarma, S., Banik, B., Tripura, R., Mili, M., Bora, D. Das, S., and **Datta, B.K.**, 2025. *Ficus geniculata*, *Ficus prostrata*, and *Ficus variegata*: New distributional records from Tripura, India. *Nelumbo*, pp.195-199.

Book Published / Chapter contributed:

1. Saha, R. and Datta, B. K., 2004. .Ecofloristic survey of Agartala, Tripura with reference to Aerobiology. *Changing Trends in Pollen Spore Research*: Edited by Dr. A.J.Solomon Raju, Vol. XXII : 171-176 .Today & Tomorrow's Printers & Publishers, New Delhi
2. Saha, R., Bera, S. and Datta, B. K. 2007. Pollen Analysis and Physico -Chemical Characteristic of some Honeys from Tripura, India. *Advances in Pollen Spore Research*, XXV: 101-113.
3. Saha, R., Bera, S. and Datta, B.K. 2008. Bee foraging plant resources on North District, Tripura .*Bioresources Conservation and Management* : Editor: A.J. Solomon Raju , Today's Tomorrow Printers and Publishers, New Delhi 2008 pp 29-40.
4. Majumdar, K. and Datta, B.K. 2008. Ethno-botanical observation on the traditional usage of medicinal plants among the tribes of Tripura.. *Ethno-medicinal Plants of India*: Edited by Trivedi P C, Aavishkar Publishers. Jaipur. pp. 136-161.
5. Saha, R. and Datta, B.K. 2008. Biochemical Analysis of different Unifloral Honey Samples Collected from North District of Tripura, India. *Advances in Pollen Spore Research*. Edited by Dr. A. J. Solomon Raju. Today's Tomorrow Printers and Publishers Vol XXVI. 32-39
6. Chaudhuri(Sil), D. and Datta, B.K. 2008. Flowering Calender of Trees with refernce to pollen incidence and density in Agratala, Tripura. 2008. *Advances in Pollen Spore Research*: Edited by Dr. A. J. Solomon Raju. Today's Tomorrow

Printers and Publishers .Vol .XXVI:73- 80. New Delhi.

7. Chaudhuri(Sil), D., Saha, R. and Datta, B.K.2008. Airborne pollen sampling in Tripura University Campus, Tripura. *Advances in Pollen Spore Research*:Edited by Dr. A. J. Solomon Raju. Today's Tomorrow Printers and Publishers .Vol .XXVI: 81- 91. New Delhi.
8. Majumdar , K., Datta, B.K. and Roy, D. 2009. Inventory and Status of Medicinal Trees of Tripura. *Indian Medicinal Plants*: Edited by Trivedi P C, Aavishkar Publishers, Jaipur . pp.93-123
9. Saha, R. and Datta, B. K. Species Diversity in Albizia in Tripura, India.2011. *Advances in Pollen Spore Research*.29:61-68.
10. Bhowmik, S. and Datta, B. K. 2011. Pollen Germination of Three Aquatic Plant Species. *Advances in Pollen Spore Research*.29:109-117
11. Bhowmik, S., Saha, M., and Datta, B. K. 2011.Micromorphometric and Cuticular Morphology of two Species of *Phyllanthus* Linnaeus (Euphorbiaceae). *Recent Studies in Biodiversity and Traditional Knowledge in India*. 75-79.
12. Bhowmik, S. and Datta, B.K. 2011Diversity of Aquatic and Marshland Plants of Tripura, India. *Recent Studies in Biodiversity and Traditional Knowledge in India*. 117-130.
13. Sarkar, A., Datta, B. K., and Gupta, A.K. 2011.Floristic Diversity of Trishna Wildlife Sanctuary, Tripura, India. *Recent Studies in Biodiversity and Traditional Knowledge in India*. 173-180.
14. Eco-floristic survey of Agartala, Tripura with reference to Agartala, Vol. XXII : 171-176. *Changing Trends in Pollen Spore Research*: Edited by Dr. A.J.Solomon Raju , Today & Tomorrow's Printers & Publishers, New Delhi 2005, ISSN/ISBN No: 81-7019-435-0.
15. Flowering Calendar of Trees with reference to pollen incidence and density in Agratala, Tripura. Vol .XXVI :73- 80. *Pollen insect interactions*: Edited by Dr. A. J. Solomon Raju. Today's Tomorrow Printers and Publishers, New Delhi 2008, ISSN/ISBN No: 81-7019-445-8.
16. Airborne Pollen Sampling in Tripura University Campus, Tripura. Vol .XXVI : 81- 91. *Advances in Pollen Spore Research*: Edited by Dr. A. J. Solomon Raju Today's Tomorrow Printers and Publishers, New Delhi 2008, ISSN/ISBN No: 81-

7019-449-0.

17. Bee foraging plant resources on North District, Tripura .Bioresources Conservation and Management. pp 29-40. Bio resources Conservation and Management: Editor: A.J. Solomon Raju , Today's Tomorrow Printers and Publishers, New Delhi 2008, ISSN/ISBN No: 81-7019-447-4.
18. Ethno-botanical observation on the traditional usage of medicinal plants among the tribes of Tripura, pp. 136-161. Ethno-medicinal Plants of India: Edited by Trivedi P C, Aavishkar Publishers, Jaipur 2008, ISSN/ISBN No: 978-81-7910-216-9.
19. Inventory and Status of Medicinal Trees of Tripura. pp.93-123. Indian Medicinal Plants: Edited by Trivedi P C, Aavishkar Publishers, Jaipur 2009, ISSN/ISBN No: 978-81- 7910-278-7.
20. Sutradhar B, & Choudhary B. K., Majumdar K, & **Datta, B. K.** (2017). Soil Nutrients and Plant Association Analysis Under Different Habitats of a Threatened Carnivorous Plant *Drosera burmannii* Vahl. in Tripura, India. Trends in Frontal Areas of Plant Science Research, Narosa Publishing House. **ISBN:** 978-81-8487-605-5.
21. Majumdar K, Adhikari, D, & **Datta, B. K.** (2017). Maximum Entropy Distribution Modelling and Habitat Suitability of a Critically Endangered Tree *Dipterocarpus gracilis* Blume in Tripura, Northeast India. Trends in Frontal Areas of Plant Science Research, Narosa Publishing House. **ISBN:** 978-81-8487-605-5.
22. Kar, S. and **Datta, B. K.** (2017). Reproductive biology of tropical kudzu, *Pueraria phaseoloides* (Roxb.) Benth. In: Trends in Frontal Areas of Plant Science Research, 137- 145 pp, Narosa Publishing House. **ISBN:** 978-81-8487-605-5.
23. Majumdar K, Choudhary B. K., & **Datta, B. K.** (2018). Impact of disturbance on ecosystem stability: implication for indigenous tree species management along the protected reserve and unprotected village forests in Tripura Northeast India. Advances in Botanical Research in North East India. **ISBN/EAN:** 9789386302526.
24. Majumdar K, & **Datta B. K.** (2018). Forest type classification of Tripura in Northeast India: an overview on historical aspects and present ecological approaches. Plant Diversity in the Himalaya Hotspot Region. **ISBN:** 978-8121109857.
25. Choudhary B. K., Majumdar K, & **Datta B. K.** (2019). Women Environment Interaction and Traditional Ecological Knowledge: Concerns in Mountain Region. Livelihood and Sustainable Development in North East India. Concept Publishing

Company (P) Ltd, New Delhi. **ISBN:** 978-93-86682-56-7.

26. Choudhary B. K., Majumdar K, & **Datta, B. K.** (2019). A Preliminary Assessment of Ecological Services and Functions in Tripura, India. Environmental Administration: Concepts Issues & Challenges. B R Publishing Corporation, New Delhi, India. **ISBN:** 9789388789011.
27. Choudhary B. K., Majumdar K, & **Datta, B. K.** (2019). Status of Soil Organic Carbon and Nutrient Pools in the Tea plantation Ecosystem of Tripura, INDIA. In Book: Recent Trends in Biodiversity Conservation and Bio-Resource Utilisation. New Delhi Publishers, 143-160pp. ISBN. 978-93-88879-27-9.
28. Kar, S., Das, D., **Datta, B. K.** (2022). Role of Local Markets in Tribal Livelihood of Tripura, Traditional Aspects of Indigenous Peoples: North East India.
29. Das, A., Kar, S., Bhattacharya, P., Das, S., Bora, D., & **Datta, B. K.** (2023). Flora biology and phenological studies of *Datura metel* L. in Tripura, Northeast India, with special reference to floral morphotypes. Plant Science Today
30. Floral Biology of *Physalis minima* L. (2023). In book: The Proceedings Of The International Conference On "Algae, Fungi And Plants: Systematics To Applications (AFPSA-2020)" In Celebration Of The 100 Years Anniversary Of The Calcutta University Herbarium (CUH), Publisher: M/s Bishen Singh Mahendra Pal Singh
31. Mili, M., Doley, T., Das, S., **Datta, B.K.** (2025). Exploring Reproductive Traits of *Cleome houtteana* Schltld: A Highly Medicinal Road verge Plant, In book: Emerging Paradigms in Biological Sciences, Publisher: **National Press Associates, New Delhi.**
32. Bose, A., Das, S., Mili, M., **Datta, B.K.** (2025). Pollination Ecology and Compatibility System of *Argyreia capitiiformis* (Poir.) Ooststr. In Book: Ecology and Biodiversity, **Publisher: Bhumi Publishing.**
33. Choudhury, B., Das, S., Mili, M., Debbarma, S., **Datta, B.K.** (2025). Floral Compositions and Honey Bees Interaction in Home Gardens with Special Reference to Apiculture. In Book: Ecology and Biodiversity, **Publisher: Bhumi Publishing.**
34. Bhagawati, M., **Datta, B.K.**, Newar, R., Sonowal, S., Buragohain, K., Tamuly, D. and Nath, R., 2025. Nanoparticle-Assisted Microbial Removal of Arsenic (As) from Drinking Water Sources. *Nano-Bioremediation for Wastewater Treatment*, pp.249-289.

35. Bose, A., Das, S., Baro, M., & **Datta, B.K.** (2025). *Parkia timoriana*: Bridging Traditional Knowledge and Modern Pharmacological Research. In book: Biodiversity, Bioresources and Sustainable Ecosystems Integrating Conservation, Ethnobiology and Climate Resilience, Publisher: Deep Science Publishing.
36. Jamatia, S., Das, S., & **Datta, B.K.** (2025). Bamboo Shoots and Their Traditional Applications in Food Cuisine in Tripura, Northeast India. In book: Biodiversity, Bioresources and Sustainable Ecosystems Integrating Conservation, Ethnobiology and Climate Resilience, Publisher: Deep Science Publishing.
37. Bhagawati, M., Dhar, C., Sonowal, S., Buragohain, K., **Datta, B.K.**, & Nath, R. (2025). Combating Foodborne Fungal Infections Diagnostics, Control Measures, and Future Directions. In book: Harnessing Microbes for Sustainable Food Systems.
38. Singha, T., Roy, R., Paul, S., & **Datta, B.K.** (2025). A Systematic Review on the Plant-Pollinator Interactions in India. In book: Ecology and Biodiversity, Publisher: Bhumi Publishing.
39. Bora, D., Engheepi, S., & **Datta, B.K.** (2025). Note on Kaempferia galanga L. a widely used medicinal plant in India. In book: Emerging Paradigms in Biological Science, Publisher: National Press Associates, New Delhi.
40. Bhagawati, M., **Datta, B.K.**, Newar, R., Sonowal, S., Buragohain, K., Tamuly, D. and Nath, R. (2025). Nanoparticle-Assisted Microbial Removal of Arsenic (As) from Drinking Water Sources. *Nano-Bioremediation for Wastewater Treatment*, pp.249-289.
41. Dhar, C., Bhagawati, M., **Datta, B.K.** (2026). Green-synthesized nanoparticles: a platform for broad-spectrum Applications. *Emerging Trends in Plant and Animal Science Research*, pp.1-13.

Seminars / Training/ Workshops Participated

Sl. No.	Seminars	Organized By	Year
1	Survey & Evaluation of Pharmaceutical Potential of Medicinal Plants and Local formulation for value addition in North-East India.	NIPER, Chandigarh, Ministry of Chemical and Fertilizer, Govt. of India. and Department of Botany, Gwuahati University.	2007
2	International Seminars on Multidisciplinary Approaches in Angiosperm Systematics	Indian Association of Angiosperm Taxonomy (IAAT) and Department of Botany, University of Kalyani, Kalyani.	2008
3	Training Workshop of Trainers on Traditional Healing Practices in North East India.	NEIFM, Dept. of AUYSH, Ministry of Health and Family Welfare, Govt. of India, Pasighat, Arunachal Pradesh.	2008
4	XIX Annual Conference of Indian Association for Angiosperm Taxonomy and International Symposium on Angiosperm Systematics & Phylogeny; Retrospects & Prospects	National Botanical Research Institute, Lucknow and Indian Association of Angiosperm Taxonomy (IAAT).	2009
5	One day Awareness Programme on Chemical Weapons Convention	Organized by Department of Chemistry , Tripura University	2011
6	Fifteenth National Conference on Surfactants , Emulsions and Biocolloids	Organized by Department of Chemistry , Tripura University	2011
7	Bamboo Cultivation and Resource Utilization	Organized by Department of Botany Tripura University	2012

Paper presented in National and International Conferences

Sl. No.	Title of the paper presented	Title of the Conference	Organized by	Whether National or International and Year
1	<i>"New records of some Aquatic and Marsh land Plants of Tripura"</i>	XIX Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT), International Seminar on Multidisciplinary Approaches in Angiosperm Systematic 12-14 November 2009	National Botanical Research Institute , Lucknow	International; 2009
2	<i>"Diversity and Floristic Survey of Aquatic and Marsh land Plants of Trishna National Park"</i>	Management of Environment : North East India Perspective 11-12 September, 2010	Department of Botany, Iswarchandra Vidyasagar College, Belonia , Tripura	National; 2010
3	<i>'Phytochemical Screening of Cycas pectinata : A RET Plant From India'</i>	International Conference on Emerging Areas of Chemistry 12-14 January, 2011	Department of Chemistry , Tripura University	International ; 2011

Invited Lectured and Chairmanships at National or International conference / seminar etc.

Sl. No.	Title of Lecture / Academic Session	Title of Conference / Seminar	Organized by	Whether international / national and Year
1	Chaired the session Ethno-botany and Medicinal Plants	XVIII Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT), 2008 and	Department of Botany, University of Kalyani, Kalyani, W.B.	International ; 2008

		International Seminar on Multidisciplinary Approaches in Angiosperm Systematic 11 -13th October, 2008		
2	Invited Lecture on " Need for the Survey of medicinal Plants and Traditional knowledge of Tripura "	<i>Diversity Conservation and Sustainable Utilization of Plants and Traditional knowledge in Eastern Himalaya</i> 14 -16th December, 2010	Department of Botany, University of North Bengal.	National ; 2010
3	Invited Lecture on " Climate Change: Its Possible Impacts on Biodiversity "	Seminar-cum-Awareness programme on " <i>Global Climate Changes & Clean Development Mechanism: Issues and Impacts</i> " Sept 6 ,2010	Jointly Organized by the Department of Chemistry, Tripura University, Suryamaninagar and Department of Science, Technology and Environment, Govt. of Tripura, Agartala	National; 2010
4	Chaired the Technical Session -VI	<i>Management of Environment : North East India Perspective</i>	Department of Botany ,Iswarchandra Vidyasagar College, Belonia , Tripura	National; 2010
5	Chaired the Technical Session -II	<i>Diversity Conservation and Sustainable Utilization of Plants and Traditional knowledge in Eastern Himalaya</i> 14 -16th December, 2010	Department of Botany, University of North Bengal	National; 2010
6	Invited Lecture the Technical Session -IV	<i>Essence of Medicinal plants its cultivation, Conservation& Sustainable Exploration</i>	Organized by Vivekananda Mahavidyala, Haripal, Hoogly, West Bengal in Association with Raja Rammohun Roy Mahavidyala, Hoogly, West Bengal	National; 2011

Membership / Positions in Learned Academic Bodies / Organizations:

Sl. No.	Post	Agency
1	Life Member	Indian Science Congress Association
2	Life Member	International Society for Environmental Botanists
3	Life Member	East Himalayan Society for Spermatophyte Taxonomy
4	State Level Nodal Officer	National Institute of Folk Medicine (NEIFM), Pasighat, Arunachal Pradesh, Department of Health and Family Welfare (AYUSH), Government of India
5	Expert Member	Tripura Biodiversity Board (TBB), Govt. of Tripura

RESEARCH PROJECTS (COMPLETED)

Sl. No.	Title of the Project	Funding Agency	Duration
1	Mapping and quantitative assessment of geographical distribution and population status of plant resources of Eastern Himalayan region.	DBT Network Project, Department of Biotechnology, Govt. of India, New Delhi	2006-2010
2	Inventorisation of Floral Diversity of Tripura	Department of Forest (JICA Project), Govt. of Tripura	2009- 2013
3	Assessment of Plant Genetic Resources of Sepahijala and Trishna Wild Life Sanctuary with Special Reference to their Population Status	Department of Forest, Government of Tripura	2009-2011
4	Vegetation Carbon Pool (VCP) Assessment Project (Phase I)	Indian Institute of Remote Sensing (IIRS), Dehradun, Department of Space, Government of India	2009-2011
5	Developing a digital database on bio- resource s of North-East India – Through a network approach among North Eastern states	DBT Network Project, Department of Biotechnology, Govt. of India, New Delhi	2012-2015

6	An Ethno-botanical Survey of Indigenous Angiosperm Flora of Tripura and Assessment of Antimicrobial Potential of those Plants	DBT Project, Department of Biotechnology, Govt. of India, New Delhi	2012-2015
7	Preventing extinction and improving conservation status of threatened plants through application of biotechnological tools	DBT Network Project, Department of Biotechnology, Govt. of India, New Delhi	2012-2017
8	Verification and detailed documentation of innovation and practices received from National Innovation Foundation	National Innovation Foundation	2013-2014
9	Measurement of Vegetation and Biomass Parameters under Vegetation Carbon Pool Assessment (Phase II)	NRSC, ISRO, Dept. of Space, Govt. of India	2015-2018
10	Orchid Bioresources of the North-East India Conservation, Database development and information network	DBT, Govt. of India	2016-2019
11	Assessment of carbon stock and carbon sequestration potential in major land use sectors of Tripura	Department of Science and Technology (DST), Govt. of India	2015-2018
12	Ecological assessment of western hoolock gibbon's habitats, preferred foraging plants diversity and status in Tripura, Northeast India	Tripura Biodiversity Board (TBB)	2016-2017
13	Screening of the antileukemic and antioxidant potential of medicinal plants of Tripura: leading to chemical identification of the lead molecules	DBT, Govt. of India	2017-2020
14	Bioresources and sustainable livelihood in Northeast India	DBT, Govt. of India	2018-2021
15	Promotion of Bamboo cultivation through skill development and capacity building training programme for strengthen rural livelihood options and long-term climate change mitigations in Tripura linking biodiversity management committees (BMCs) at the village Panchayat levels	IERP, NMHS	2018-2021
	Assessment of Biological Diversity in Tripura	Project for Sustainable Catchment Forest Management in Tripura (SCATFORM),	2021-2024

		Project Management Unit, Tripura JICA Project	
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RESEARCH PROJECTS (ONGOING)

Title of the project approved	Funding Agency	From Date	To date	Role of PI
<i>Social, ecological, environmental analysis of Sone Beel: Implication for sustainable management</i>	Assam University NEC Dolphin Project- (AUS)	09-102024	Till date	Supervision

Consultancy Project:

1. Verification and detailed documentation of innovation and practices, Nation Innovation Foundation, Ahmedabad, Gujarat

Research Supervisions

Sl. No	Scholar Name	Title of Thesis	Year of Registration/Awarded
1	Reeme Saha	Melittopalynological Investigation of Natural Honey Samples From Tripura, India.	Awarded
2	Dipanwita Chaudhuri	Survey of Air-borne pollens and spores in Agartala and adjoining areas of Tripura, India.	Awarded
3	Koushik Majumdar	Quantitative assessment of tree diversity, their population status, distributional pattern and socio-economic structure in different forest communities of South Tripura, Tripura, India.	Awarded
4	Mandakranta Roy	Seedling Morphology of Trees of Tripura and their Taxonomic Significance	Awarded

5	Somnath Bhowmik	Studies on the Hydrophytes and Marsh Plants of Tripura: Assessment of their socio-economic aspects and pollen diversity	Awarded
6	Balakrishan Choudhury	Ecological characterization of different land use/ land covers in the village landscape of North Tripura, Tripura.	Awarded
7	Dipti Das	Plant Diversity, Characteristics, and use of Home Gardens of Tripuri and Reang Communities of Tripura, India	Awarded
8	Ashish Kumar Chowdhury	Study of grasses of Tripura and utilization of Phytoliths as a taxonomic marker	Awarded
9	Dipankar Deb	Plant Diversity, Carbon Sequestration Potential and Soil Physico-Chemical Properties in Selected Tree Based Agroecosystems of Tripura	Awarded
10	Moumita Saha	Reproductive Biology of Some <i>Solanum</i> species	Awarded
11	Rashmi Rani	Seed and Seedling morphology and their relevance in identification of some medicinal plants of Tripura	Awarded
12	Prasenjit Debbarma	Diversity of Fungal Endophytes in Selected Invasive Plants of Asteraceae of Tripura, North-East India.	Awarded
13	Somnath Kar	Reproductive Biology of Some Medicinal Plants of Tripura.	Awarded
14	Dipan Sarma	Evaluation of Biological Activities Using Crude Extracts and Green Synthesis of Silver Nanoparticles from Selected Plants of Tripura	Awarded
15	Biswajit Baishnab	Studies on Orchid Diversity of Tripura with Special Reference to Reproductive Biology of Selected Species	Awarded
16	Biplab Banik	Mapping, Modelling of Metapopulation Dynamics and Habitat suitability of Selected Threatened Taxa in Tripura, Northeast India.	Awarded
17	Suman Paul	Plant Pollinator Interaction Networks Along A Gradient of Urbanization In Tripura: Assessing The Consequences of Co-flowering And Pollinator Sharing	Awarded
18	Aparajita Das	Reproductive Biology of Some <i>Datura</i> species in Tripura with Reference to their Population Status	Awarded

19	Smita Debbarma	<i>Ficus</i> diversity in Tripura with special reference to their Pollination Biology and Ethnomedicinal value	Awarded
20	Muktadhar Reang	Assessment of Indigenous Bioresources of Tripura with special reference to scope of bioprospecting and sustainable utilization	Awarded
21	Rahul Saha	Protocol Development for Wild Edible Mushrooms Cultivation of Tripura by Utilizing Unconventional Biodegradable Wastes and Analysis of Cost Benefit Ratio and Nutritional Status	Awarded
22	Samrat Tripura	Assessment of Fungal Endophytes Composition in selected <i>Terminalia</i> species of Tripura with reference to their Bioapplications for Plant Growth Promotion	Awarded
23	Bibhash Nath	Morphological Biochemical and Tissue Culture Studies in two varieties of <i>Musa</i> species of Tripura	Awarded
24	Ashok Kumar Sutradhar	Morphological, Cytological and Tissue Culture Studies of Two Members of Polygonaceae of Tripura	Awarded
25	Jadabendra Malakar	Flora of West Tripura District, Tripura, India	Awarded
26	Sani Das	Studies on the Pollination Ecology and Reproductive Success of some Climbers	Awarded
27	Dixit Bora	Angiospermic Flora of Gomati District, Tripura, India	Awarded
28	Panchatapa Bhattacharya	Studies on Domestication of some selected jhum crops in plain land of Tripura	2022
29	Marami Mili	Studies on the influence of floral functional traits on the Pollination and reproductive outputs of some medicinal plants of Fabaceae.	2023
30	Mayuri Bhagawati	Elucidating the Natural Synthesis and Unexplored Potential: Investigating <i>Psidium guineense</i> sw. Nanoparticles for Enhanced Biological Activities.	2023

31	Tanushree Singha	Pollination Ecology and reproductive strategies in some selected species of Lamiaceae	2024
32	Riya Roy	Studies on the effectiveness of pollinators and the reproductive success of some selected crops of Tripura, Northeast India	2024
33	Subhranil Ray	Mapping the Geographic Distributions, Diversity, Habitat Structure, Population and Regeneration Status of Rattans in Tripura, North-East India.	2024