



Dr. Sudam Charan Sahu

Assistant Professor

Department of Botany

Maharaja Sriram Chandra Bhanja Deo University (Erstwhile North Orissa University), Baripada (Odisha)

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Qualification:

Ph. D, Environment and sustainability Department, CSIR-IMMT, Bhubaneswar, India (Under Utkal University)

Master of Science, Department of Botany, Ravenshaw University, Cuttack, Odisha

Bachelor of Science, Bhadrak College, Bhadrak, Odisha

Area of work and specialization: Plant Systematics, Forest Ecology, Climate change and Biodiversity conservation

Post Doctoral Research Experience: Centre for sustainable Technologies and Centre for Ecological Sciences, Indian Institute of Science, Bangalore, India (Prof. N.H. Ravindranath's Lab)

Professional Awards and Fellowship received :

1. Qualified UGC-NET for Assistant Professor
2. CSIR-Senior Research Fellowship
3. Research Associate from Indian Institute of Science
4. Awarded SERB-DST Young Scientist
5. Fellow of India Association for Angiosperm Taxonomy
6. Best paper poster presentation in the Nation Seminar on “Importance of sacred groves for the conservation of medicinal plants and biodiversity” organized by Ambika Prasad Research Foundation (Date-07/01/2018; Venue- Maritime museum, Cuttack). Title of the paper “Phyto-therapeutic values of urban medicinal plants in the fringe of Chandaka- Dampara Wildlife Sanctuary, Bhubaneswar” by Subhashree Pattnayak, **S.C. Sahu** and N.K. Dhal.
7. Best paper poster presentation in the Nation Seminar on “Similipal: Communities, Biodiversity and Conservation” organized by Centre for Similipal Studies (CSS), MSCB University, Baripada (Date-20-21st December, 2021). Title of the paper: Diversity of wild edible plants and their traditional uses in Nayagarh district of Odisha” by Sifan Priyadashini, **Sudam C. Sahu** and A.K. Biswal.
8. Best paper poster presentation in the Nation Seminar on “Fostering Science for holistic Development” jointly organized by Orissa Environmental Society and CSIR-IMMT, Bhubaneswar (Date- 29-30 November, 2024).

RESEARCH AND TEACHING EXPERIENCE:

Name of employer	Post/Designation	Period From-To
RRL, CSIR, Bhubaneswar	PA-II	14/03/05-30/06/07
WTCER, ICAR, Bhubaneswar	JRF	29/01/08-14/05/09
CSIR-IMMT, Bhubaneswar	CSIR-SRF	15/05/09-14/05/12
IISC, Bangalore	RA	02/07/12-01/07/13
IISC, Bangalore	Research Scientist (DST Fast Track Young Scientist)	02/07/13- 31/03/16
North Orissa University, Baripada	Assistant Professor	04/05/16 to Continuing....

PUBLICATIONS**PAPERS PUBLISHED IN PEER-REVIEWED JOURNALS (YEAR WISE)****2025**

1. Manoranjan Paul, S. Tudu, J. K. Jena and **Sudam C. Sahu*** (2025). Floristic diversity and conservation significance of forests in and around Chaulabhaja Waterfall: A promising ecotourism site in Similipal Biosphere Reserve, Odisha. *Plant Science Research* 47(1&2):1-14. ISSN: 0972-8546.
2. J. K. Jena, S. Tudu, S. Priyadarshini, M. Jena and **Sudam C. Sahu*** (2026). *Lindernia rotundifolia* (L.) Alston (Linderniaceae): A new addition to the flora of Odisha. *Communis Biologica* 1(1): 35-37.
3. S. Priyadarshini, Sudam Charan Sahu* and Nabin Kumar Dhal (2025). Pollen morphology and taxonomic implications of Zingiberaceae in Eastern India. *Palynology*. DOI: <https://doi.org/10.1080/01916122.2025.2602753> (Taylor & Francis Publication). ISSN: 0191-6122. **(IF-1.3)**
4. S. Priyadarshini, Sabita Tudu, J. K. Jena and **Sudam C. Sahu*** (2025). New report of *Meistera koenigii* (J.F.Gmel.) Skornick. & M.F. Newman (Zingiberaceae) from Eastern Ghats, India. *Nelumbo* 67(1): 138-139.
5. S. Priyadarshini, Sabita Tudu, J. K. Jena, Prakash C. Gogineni and **Sudam C. Sahu*** (2025). Notes on the identity and distribution of *Zingiber roseum* (Roxb.) Roscoe in Odisha. *Species* 26(78): e36s3179
6. Keshari Prasad Mohanty, **Sudam Charan Sahu**, Pradeep Kumar Kamila, Subhajit Lahiri and Phani Bhusan Sahoo (2025). Notes on the new distributional record of *Xanthosoma robustum* Schott (Araceae) in Eastern India. *Vegetos*. DOI: <https://doi.org/10.1007/s42535-025-01462-0> (Springer Nature Publication).
7. Ankita Das, Muktipada Panda, Manas Ranjan Mohanta, Sabita Tudu and **Sudam Charan Sahu*** (2025). Multivariate analysis of plant community distribution in

- the terrestrial forest landscape surrounding a Ramsar site of Eastern India. Vegetos. DOI: <https://doi.org/10.1007/s42535-025-01493-7> (Springer Nature Publication).
8. Sabita Tudu, J. K. Jena, S. Priyadarshini, S. S. Dash and **Sudam C. Sahu*** (2025). Taxonomical implications of fruit and seed morphology in wild species of *Diospyros* L. (Ebenaceae) in Odisha, Eastern India. Acta Biologica Slovenica 68 (4). <https://doi.org/10.14720/abs.68.4.22558> (Scopus Indexed). ISSN: 1854-3073.
 9. **Sudam C. Sahu***, Sifan Priyadarshini, Sabita Tudu, Jeevan K. Jena, Prakash C. Gogineni and Sudhansu Sekhar Dash (2025). Extended distribution of *Lycianthes biflora* (Lour.) Bitter (Solanaceae) in Eastern Ghats, India. Discover Plants 2:160. <https://doi.org/10.1007/s44372-025-00258-5>. (Springer Nature Linked Publication).
 10. Sifan Priyadarshini, Adyashree Aradhana Biswal and **Sudam Charan Sahu*** (2025). Species diversity and morphometric analysis of potential wild curcumas in Eastern India. Plant Biosystems. <https://doi.org/10.1080/11263504.2025.2500396>. (Taylor & Francis Publication). ISSN: 0564-3295. **(IF-1.6)**
 11. Manas R. Mohanta, Gour C. Samal, M.D. Behera and **Sudam C. Sahu*** (2025). Species diversity and regeneration largely unaffected by forest fire in tropical dry forests of Eastern India. Tropical Ecology. DOI : <https://doi.org/10.1007/s42965-025-00366-z>. (Springer Nature Publication). ISSN: 0564-3295. **(IF-1.1)**
 12. Muktipada Panda, Bikash R. Dash and **Sudam C. Sahu*** (2025). Ecosystem carbon stock variation along forest stand ages: insight from eastern coast mangrove ecosystem of India. Ecological Processes 14:14. DOI: <https://doi.org/10.1186/s13717-025-00580-6>. (Springer Nature Publication). ISSN: 2192-1709. **(IF-4.6)**
 13. **Sudam C. Sahu*** and Sifan Priyadarshini (2025). *Zingiber jagannathii* (Zingiberaceae): a new species from Similipal Biosphere Reserve of Odisha, India. Phytotaxa 683 (3): 289–295. DOI: <https://doi.org/10.11646/phytotaxa.683.3.10>. ISSN: 1179-3163. **(IF-1.1)**

2024

14. Sudipta Nayak, Kalicharan Mandal, Sifan Priyadarshini, Dharitri Mishra, **Sudam Charan Sahu**, Manish Kumar, Kshama Sarangi, Phalguni Sarathi Mallik and Nabin Kumar Dhal* (2024). Floristic account of Vascular plants in Nayagarh forest division of Odisha, Eastern Ghats. Asian Journal of Conservation Biology 13(2): 215-231. <https://doi.org/10.53562/ajcb.79572>. ISSN: 2278-7666 (Scopus Indexed Journal).
15. Sifan Priyadarshini, Sabita Tudu, Jeevan Kumar Jena, Prakash Chand Gogineni and **Sudam Charan Sahu*** (2024). Notes on the extended distribution of *Alpinia nigra* (Zingiberaceae) from Similipal Biosphere Reserve, Odisha. Indian Journal of Forestry 47(3): 186-189. DOI: <https://doi.org/10.54207/bsmps1000-2024-J4VWJ7>. ISSN: 0971-9431. (UGC Care Listed; NAAS Score-4.88).
16. Sarat Misra, Sabita Tudu and **Sudam Charan Sahu** (2024). Extension of the range of *Vanilla walkeriae* Wight (Orchidaceae) into Odisha, forming a new record for the state. Nelumbo 66(1): 120-123.

17. Sifan Priyadarshini and **Sudam C. Sahu*** (2024). *Curcuma zanthorrhiza* Roxb. (Zingiberaceae): A new record for Eastern Ghats of India. Discover Plants, Springer Nature, 1:37. <https://doi.org/10.1007/s44372-024-00034-x>
18. Nabin K. Jena, Sabita Tudu, Sifan Priyadarshini and **Sudam C. Sahu*** (2024). *Cyperus surinamensis* Rottb. (Cyperaceae): A new record for Eastern Ghats, India. Nelumbo 66(1): 13-131.
19. Manas R. Mohanta, H.S. Suresh and **Sudam C. Sahu*** (2024). Systematic effects of environmental factors and phenology on forest structure: Tracking the ecological processes. Ecological Complexity 59:101093. DOI: <https://doi.org/10.1016/j.ecocom.2024.101093> (Elsevier publication) ISSN: 1476-945X **(IF-3.4)**
20. **Sudam C. Sahu***, Sabita Tudu, Namita Maharana and Sifan Priyadarshini (2024). Assessment of Plant Diversity in Maharaja Sriram Chandra Bhanja Deo University Campus, Odisha, India. Sustainability and Biodiversity Conservation 3(2). DOI: <https://doi.org/10.5281/zenodo.11527408>
21. Sifan Priyadarshini and **Sudam C. Sahu** (2024). A new note on the distribution of *Mimosa diplotricha* C. Wright (Fabaceae) in Eastern India. Vegetos. DOI: <https://doi.org/10.1007/s42535-024-00933-0> (Springer Nature Publication).
22. Jena N.K., Priyadarshini S., Tudu S., Sahoo A.K. & **Sahu S.C.** (2024) *Indigofera hirsuta* L. (Fabaceae) - A new record for Odisha, India. Tropical Plant Research 11(1): 9–12. DOI: 10.22271/tpr.2024.v11.i1.002. ISSN: 2349-9265. **(NAAS Rating-4.06)**.
23. M.D. Behera, J.S.R. Krishna, S. Pramanik, S. Kumar, S.K. Behera, Sonik Anto, S.N. Singh, A.K. Verma, S.K. Barik, M.R. Mohanta, **Sudam C. Sahu**, C. Jaganathan, P.K. Srivastav, B. Pradhan (2024). Digital hemispherical photographs and Sentinel-2 multi-spectral imagery for mapping leaf area index at regional scale over a tropical deciduous forest. Tropical Ecology. DOI : 10.1007/s42965-024-00327-y. (Springer Nature Publication). ISSN: 0564-3295. **(IF-1.7)**
24. ***Sudam C. Sahu** and Ankita Das (2024). Traditional plant-based artifacts of Odisha. Indian J. of Traditional Knowledge 23(1):56-66. DOI: [10.56042/ijtk.v23i1.52199](https://doi.org/10.56042/ijtk.v23i1.52199) **(IF-1.091)** ISSN: 0975-1068.
25. Sifan Priyadarshini, Sabita Tudu, Sudhansu S. Dash, Anil K. Biswal and **Sudam C. Sahu*** (2024). Wild edible plants: diversity, use pattern and livelihood linkage in Eastern India. Genet Resour Crop Evol. <https://doi.org/10.1007/s10722-023-01833-z>. (Springer Nature Publication). ISSN: 0925-9864. **(IF-2.0)**

2023

26. Nabin K. Jena, Sabita Tudu, Sifan Priyadarshini and **Sudam C. Sahu*** (2023). *Hibiscus hirtus* L. (Malvaceae), A New Distributional Record for Odisha, India. Annals of Plant Sciences 12(10): 6033-6037. DOI: <http://dx.doi.org/10.21746/aps.2023.12.10.2>. ISSN: 2287-688X
27. Sifan Priyadarshini, Sabita Tudu, Susanta K. Rout, Mukesh K. Marndi¹, **Sudam C. Sahu*** (2023). Preparation and medicinal use of the rhizome powder of *Curcuma angustifolia* roxb. (Zingiberaceae) in rural Odisha, India. Explor. Anim. Med. Res. 13(Ethnobiol spl): 91-101. DOI: 10.52635/eamr/13(S)91-101. ISSN: 2277-470X (Print), ISSN 2319-247X (Online). **(IF-0.10)**

28. Monalisa Jena, Manas Ranjan Mohanta, Bipin Charles, Aravind N.A., G. Ravikanth, ***Sudam Charan Sahu** (2023). "Predicting potential distribution, range change and niche dynamics for *Saraca asoca* (Roxb.) De Wilde: a threatened medicinal plant under climatic change". *Current Science* 125(9): 989-998. DOI: 10.18520/cs/v125/i9/989-998. ISSN: 0011-3891 (IF-1.102)
29. Sifan Priyadarshini, Sabita Tudu and ***Sudam C. Sahu** (2023). *Zingiber montanum* (J. Koenig) Link ex A. Dietr. (Zingiberaceae): An addition to the flora of Odisha. *Species* 24, e71s1577. pISSN: 2319-5746; eISSN: 2319-5754.
30. Nabin K. Jena, Sudhansu S. Dash and ***Sudam C. Sahu** (2023). A note on the distribution of *Abroma augustum* (L.) L.f. (Malvaceae) in Odisha, India. *International J. of Botany Studies* 8(9): 8-10. ISSN: 2455-541X
31. Muktipada Panda, Nikhil Lele, T.V.R. Murthy, R.N. Samal, A.K. Pattnaik, ***Sudam C. Sahu** (2023). Assessment of mangrove stand biomass in relation to forest structural attributes in Bhitarkanika National Park, India. *Vegetos*. DOI: <https://doi.org/10.1007/s42535-023-00630-4> (Springer Nature Publication).

2022

32. Birendra Pal, Sabita Tudu and ***Sudam C. Sahu** (2022). Floral diversity of Panchalingeswar: A sacred hill of Odisha, India. *Nelumbo* 64(2): 119-135. ISSN: 0976-5069. DOI: 10.20324/nelumbo/v64/2022/169609
33. K. Mandal, S. Depanali, **Sudam C. Sahu**, M.R. Mohanta and N.K. Dhal (2022). "Phenological Behaviour Changes in Neem Tree (*Azadirachta indica* A. Juss.) after the Cyclone FANI." *Annals of Plant Sciences* 11(7): 5270-5273. ISSN: 2287-688X. DOI: <http://dx.doi.org/10.21746/aps.2022.11.7.7>
34. ***Sudam C. Sahu**, Manas R. Mohanta and Jagadish Kumar (2022). "Quantitative estimation of reclamation status of a dry secondary forest using "Measure of Climax". *Ecological engineering* 180: 106660. (Elsevier publication). ISSN: 0925-8574 (IF-4.379).
35. Manas Ranjan Mohanta, Yasaswinee Rout, Bikram Pradhan, Dhiren Bhoi, Pradeep K. Chand and ***Sudam Charan Sahu** (2022). Anthropogenic interventions regulate forest structure and carbon stock in transitional dry forests of Similipal Biosphere Reserve, India. *Ecoscience* 28(2): 171-183 DOI: <https://doi.org/10.1080/11956860.2022.2030130> (Taylor & Francis publication). ISSN: 1195-6860 (IF-1.950).
36. Debidutta Rout, Manas Ranjan Mohanta and **Sudam C. Sahu** (2022). Floristic diversity of climbing plants in tropical forests of Similipal Biosphere Reserve, Odisha, India. *Notulae Scientia Biologicae* 14(1), Article no. 11003. DOI: 10.15835/nsb14111003. ISSN: 2067-3205.

2021

37. Subhashree Pattnayak*, R.K. Behera, **S.C. Sahu**, and N.K. Dhal (2021). Assessment of woody plant species composition in secondary deciduous forests of Odisha, India. *Environment Conservation Journal* 22(3): 327-339. ISSN: 0972-3099.
38. **Sudam Charan Sahu**, Manas Ranjan Mohanta and N.H. Ravindranath (2021). Population status of *Heritiera fomes* Buch.-Ham., a threatened species from

- Mahanadi Mangrove Wetland, India. *J. of Threatened Taxa* 13(12): 19791–19798. ISSN: 0974-7893.
39. Manas Ranjan Mohanta, Saloman Sahoo and ***Sudam Charan Sahu** (2021). Variation in structural diversity and regeneration potential of tree species in different tropical forest types of Similipal Biosphere Reserve, Eastern India. *Acta Ecologica Sinica* 41(6): 597-610 (Elsevier publication). ISSN: 1872-2032. **(IF-1.414)**
 40. Manas Ranjan Mohanta, Rama Chandra Mohanty and ***Sudam Charan Sahu** (2021). Phenology and regeneration status of *Terminalia tomentosa* (Roxb.) Wight & Arn.: a tropical tree species of Indian forests. *Ecoscience* 28(2): 171-183. DOI: 10.1080/11956860.2021.1916216. (Taylor & Francis publication). ISSN: 1195-6860 **(IF-1.950)**
 41. Pattanayak Subhashree, Kumar M., Dhal N.K. and ***Sahu Sudam C.** (2021). Estimation of carbon pools in Secondary Tropical Deciduous Forests of Odisha, India. *Journal of Forestry Research* 32(2): 663-773 (Springer publication). <https://doi.org/10.1007/s11676-020-01119-5>. ISSN: 1993-0607. **(IF-4.6)**
- 2020**
42. Manas Ranjan Mohanta, H.S. Suresh and ***Sudam Charan Sahu** (2020). A review on plant phenology study in different forest types of India. *Indian Forester* 146 (12): 1137-1148. DOI: 10.36808/if/2020/v146i12/146331. ISSN: 0019-4816
 43. Manas Ranjan Mohanta, Anshu Mohanta, Umaballava Mohapatra, Rama Chandra Mohanty and ***Sudam Charan Sahu** (2020). Carbon stock assessment and its relation with tree biodiversity in Tropical Moist Deciduous Forest of Similipal Biosphere Reserve, Odisha, India. *Tropical ecology* 61(4): 497-508 (Springer publication). (DOI: 10.1007/s42965-020-00111-8) ISSN: 0564-3295 **(IF-1.7)**.
 44. **Sahu S.C.** (2016). Floristic diversity of Mahanadi Mangrove Wetland (MMW), Odisha. *North Orissa Journal of Science and Technology* 5&6(1): 88-95. ISSN: 2319-5142.
- 2019**
45. Panda M.K., Thatoi H.N., **Sahu S.C.** and Tayung K. (2019). Wild edible mushrooms of Northern Odisha, India: Data on distribution and utilization of ethnic communities. *Research Journal of Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences* 5(2): 248-268. ISSN: 2454-6348.
 46. ***Sahu S.C.**, Pani A.K., Mohanta M.R. and Kumar Jagdis (2019). Tree species diversity, distribution and soil nutrient status along altitudinal gradients in Saptasajya hill range, Eastern Ghats, India. *Taiwania* 64(1): 28-38. DOI: 10.6165/tai.2019.64.28, ISSN No.- 0372-333X **(IF-0.925)**
- 2018**
47. Subhashree Pattanayak*, M. Kumar, **S.C. Sahu**, N.K. Dhal and R.K. Behera (2018). Comparison of Soil Characteristics and Carbon Content of Contrastingly Different Moist- mixed Deciduous and Evergreen Mangrove Forest in Odisha, India. *Geology, Ecology and Landscapes* 3(4): 239-246. (Taylor & Francis publication). DOI: 10.1080/24749508.2018.1545104 ISSN: 2474-9508

48. Mohanta M.R., Biswal A.K. and ***Sahu S.C.** (2018). Phytogeographical affinities of tree Species of Similipal Biosphere Reserve, Odisha. *Not. Sci. Biol.* 10(3): 354-362. ISSN: 2067-3205. DOI: <https://doi.org/10.15835/nsb10310216>
49. **Sahu S.C.**, Kumar S. and Singh N. (2018). Agro-technology status and conservation of few threatened medicinal plants from Deogarh district, Odisha, India. *Journal of Biodiversity and Conservation* 1(2): 84-90. ISSN: 2457-0761.

2017

50. **Sahu S.C.**, Mohanta M.R. & Biswal A.K. (2017). *Solanum sisymbriifolium* Lam. (Solanaceae): A new addition to the flora of Odisha, India. *Tropical Plant Research* 4(3): 468–470. ISSN: 2349-9265 (**NAAS Rating-4.06**). DOI: <https://doi.org/10.22271/tpr.2017.v4.i3.062>

2016

51. **Sahu S.C.**, Kumar Manish and Ravindranath N.H. (2016). “Carbon stocks in natural and planted mangrove forests of Mahanadi Mangrove Wetland, East Coast of India”. *Current Science* 110(12): 2253-2260. ISSN: 0011-3891 (**IF-1.102**)
52. Pattnayak S., **Sahu S.C.**, Kumar M and Dhal N.K. (2016). “Carbon stock estimation in different forest lands: A review” *e-planet* 14(1): 11-21 (**NAAS Rating-3.48**)
53. **Sahu S.C.**, Suresh H.S. and Ravindranath N.H. (2016). “Forest structure, composition and above ground biomass of tree community in tropical dry forests of Eastern Ghats, India”. *Not. Sci. Biol.* 8(1):125-133. ISSN: 2067-3205. DOI: <https://doi.org/10.15835/nsb819746>

2015

54. **Sahu S.C.**, Suresh H.S., Murthy I.K. and Ravindranath N.H. (2015). “Mangrove area assessment in India: implications of loss of mangroves”. *J. of Earth Science & Climatic Change* 6(5): 1-7. ISSN: 2157-7617(**IF-1.16**)
55. **Sahu S.C.**, Dhal N.K. and Ravindranath N.H. (2015). “*Myriostachya wightiana* Hook. f. (Poaceae): ecology, distribution and economic importance in mangrove swamps.” *International J. of Innovative and Applied Research* 3(3): 9-12. ISSN: 2348-0319 (**IF-2.845**)
56. **Sahu S.C.**, Sharma Jagmohan and Ravindranath N.H. (2015). Carbon stocks and fluxes for Forests in Odisha (INDIA). *Tropical Ecology* 56(1): 77-85. ISSN: 0564-3295 (**IF-1.7**)
57. Panda S.P., **Sahu S.C.** and Dhal N.K (2015). “Documentation of tribal claims for Rheumatism in Odisha, India”. *International Journal of Pharmacy and Pharmaceutical Sciences* vol. 7(1): 379-384. ISSN 0975 – 1491(**SNIP-0.535**)

2013

58. **Sahu S.C.**, Baul A., Dhal N.K. and Rout N.C. (2013). “*Microsorium zippelii* (Bl.) Ching (Polypodiaceae), a New Distributional Record for Peninsular India”. *Annals of Plant Sciences* 2(4): 114-116. ISSN: **2287-688X (Infobase-4.4)**
59. **Sahu S.C.**, Dhal N.K., Dash S.S. and Rout N.C. (2013). “Plant diversity in CSIR-IMMT premises: A Repository of germ plasm conservation.” *Nelumbo* 55: 32-40 ISSN: 0976-5069
60. **Sahu S.C.**, Pattnaik S.K., Dash S.S. and Dhal N.K. (2013). “Fibre-yielding plant resources of Odisha and traditional fibre preparation knowledge- An overview”.

Indian Journal of Natural Products and Resources Vol. 4(4): 339-347. ISSN: 0976-0512

61. **Sahu S. C.**, Sahoo K., Jee P.K. and Dhal N. K. (2013). "Floral and microbial dynamics in relation to the physico-chemical constituents of the Devi estuary of Odisha Coast of Bay of the Bangle, India". *Indian J. of Geo-Marine Science*, 42(1): 90-96. ISSN: 0975-1013 (IF-0.553)

2012

62. **Sahu S.C.**, Dhal N.K., Lal Brij and Mohanty R.C. (2012). "Differences in tree species diversity in a tropical sacred forest ecosystem of Niyamgiri hill range, Eastern Ghats, India" *Journal of Mountain Science* 9(4): 492-500. ISSN: 1993-0321 (Springer publication) (IF-2.371)
63. **Sahu S. C.**, Dhal N. K. and Datt B. (2012). "Environmental implications of biological spectrum vis-à-vis tree species diversity of Gandhamardan hill ranges, Eastern Ghats, India." *Environmental Systems and Decisions* 32(4):420-432. ISSN: 2194-5411 (Springer publication) (SNIP-0.568)
64. **Sahu S. C.** and Dhal N. K. (2012). "Floristic diversity of Mandargiri hills, Angul, Odisha: An overview". *J. Eco. & Tax. Bot.*, 36(3): 554-562. ISSN: 0250-9768
65. **Sahu S.C.**, Dhal N.K. and Mohanty R.C. (2012). "Tree species diversity, distribution and population structure in tropical forests of Malyagiri hill range, Eastern Ghats, India" *Tropical Ecology* 53(2): 165-170. ISSN: 0564-3295(Springer publication) (IF-1.7)
66. Kandi B., **Sahu S.C.**, Dhal N.K. and Mohanty R.C. (2012). "Ethnomedicinal plant wealth of Sunabeda Wildlife Sanctuary, Odisha, India". *Ethnobotany*, 24:108-113. ISSN: 0971-1252

2011

67. **Sahu S. C.**, Pattnaik S.K., Sahoo S.L., Lenka, S.P. and Dhal N. K. (2011). "Ethnobotanical study of medicinal plants in the coastal districts of Odisha". *Current Botany*.2(7):17-20 ISSN: 2220-4822
68. Kandi B., **Sahu S.C.**, Dhal N.K. and Mohanty R.C. (2011). Species diversity of vascular plants of Sunabeda Wildlife Sanctuary, Odisha, India. *New york Science Journal*: 2011:4(3) ISSN: 1554-0200
69. **Sahu S. C.** and Dhal N. K. (2011). "Rediscovery of *Uraria picta* (Jacq.) Desv. ex DC. (Fabaceae)- A lesser known threatened legume from Odisha". *J. of Non Timber Forest Products* 18(3): 243-244. ISSN: 0971-9415

2010

70. **Sahu S.C.**, Dhal N.K. and Bhadra A. K. (2010). "Arboreal taxa diversity of Tropical forests of Gandhamardan Hill ranges, Eastern Ghats, India: An approach to sustainable biodiversity conservation." *Taiwania*. 55(3): 208-215. ISSN: 0372-333X (IF-0.816)

71. **Sahu, S. C. & N. K. Dhal** (2010). Status of threatened medicinal plants in north-west Orissa, Eastern Ghats, India. *Eco. Env. & Cons.* 16 (1): 49-53. ISSN: 0971-765X **(NAAS Rating-5.02)**
 72. **Sahu S.C.**, Dhal N.K. and Mohanty R.C. (2010). "Potential Medicinal plants used by the tribals of Deogarh district, Orissa, India", *Studies on Ethnomedicine.* 4(1):53-61. ISSN: 0971-5070 (Taylor & Francis publication).
 73. **Sahu S.C.**, Dhal N.K. and Bhadra A. K. (2010). "Indigenous herbal treatment for Chronic Suppurative Otitis Media (CSOM) among kondh tribe of Bolangir district, Orissa, India- A case study." *Biohelica.* 1(1): 38-40. ISSN: 0976-5204
 74. Chaudhari S. K., **Sahu S.C.** and Khot A.B. (2010). "Response of French bean (*Phaseolus vulgaris*) to Irrigation Schedules phosphorus levels and phosphorus solubilizer in Vertisols". *Environment & Ecology* 28 (3B): 2141-2143. ISSN: 0970-0420
 75. **Sahu S.C.**, Dhal N.K. and Mohanty R.C. (2010). "Commercialization of few wild medicinal plants from Deogarh district, Orissa, India." *e-planet.* 8(1): 14-16. ISSN: 0974-4398 **(NAAS Rating-3.48)**
 76. **Sahu S.C.**, Dhal N.K. and Rout N.C. (2010). "The Ethnobotany of *Eulaliopsis binata* (Retz.) Hubbard - Poaceae, in Orissa, Eastern India". *J. of Advances in Developmental Research.* 1(2): 155-160. ISSN: 0976-4844
 77. **Sahu S.C.**, Dhal N.K. and Mohanty R.C. (2010). "Folklore claims of a few interesting ferns from Deogarh district, Orissa, India" *Plant Science Research.* 32: 138-141. ISSN: 0972-8546 **(NAAS Rating-3.59)**
- 2009**
78. **Sahu S.C.**, Dhal N.K. and Mohanty R.C. (2009). "Ethnobotanical study of Deogarh district (Orissa) with respect to plants used for treating skin diseases" *Ethnobotany.* 21:46-50. ISSN: 0971-1252
 79. **Sahu S.C.**, Bhadra A. K., Dhal N.K. and Rout N.C. (2009). "Rediscovery of *Tephrosia tinctoria* Pers. (Fabaceae) from Orissa, India." *Phytotaxonomy.* 9: 72-74. ISSN: 0972-4206
- 2007**
80. **Sahu S.C.**, Dhal N.K., Reddy Ch. Sudhakar, Pattanaik C. and Brahman M. (2007). Phytosociological Study of Dry deciduous Forest of Boudh District, Orissa, India. *Research Journal of Forestry.* 1 (2): 66-72. ISSN: 2151-8262
- 2006**
81. Bal S., **Sahu S.C.**, Dhal N.K., Rout N.C. and Panda P.K. (2006). "Ferns of Similipal Biosphere Reserve, Orissa, India". *Trop. Med. Plants.* 7(2): 283-289. ISSN: 1511-8525
 82. Dhal N.K., Reddy Ch. Sudhakar, Pattanaik C., **Sahu S.C.** and Brahman M. (2006), "*Dicoma tomentosa* Cass. and *Torenia fournieri* Linden ex Fournier – as alien weeds to the Flora of Orissa", *Journal of Economic and Taxonomic Botany.* 30 (3): 654-655. ISSN: 0250-9768
 83. Brahman M., Dhal N.K., **Sahu S.C.** and Dash S.N. (2006). "Triphala- A Wonderful Indian herbal formula for constipation, bowel cleansing and associated maladies", *e-planet* 4 (1&2): 14-17. ISSN: 0974-4398 **(NAAS Rating-3.48)**

BOOK CHAPTERS PUBLISHED

1. Dhal N. K. and **Sahu S. C.** (2013). Vegetation and floristic diversity of Nawarangpur district, Odisha: A repository of threatened and industrial plants in the book "Biodiversity in India", Vol.6, Chapter 3 pp 69-85, Regency Publication, India. ISBN: 978-818-92-3384-6.
2. **Sahu S. C.** and Dhal N. K. (2012). "Floristic composition, diversity and status of threatened medicinal plants in tropical forests of Malyagiri hill ranges, Eastern Ghats, India." in the book "Tropical Forests" edited by Padmini Sudarshana, Madhugiri Nageswara-Rao and Jaya R. Soneji, ISBN 978-953-51-0255-7, pp.203-214, InTech, March 3, 2012.
3. Baul A., **Sahu S.C.**, Dhal N.K. and Mukherjee S. (2012). "Ethno-gynological study among the Kondha tribes of Rayagada district, Orissa, India" in the proceeding volumes Multidisciplinary approaches in angiosperm systematics Vol II, pp.655-660 edited by G.G. Maiti and S.K. Mukherjee., University of Kalyani, WB. ISBN: 978-93-5067-867-1
4. **Sahu S.C** (2016). Biodiversity conservation and management using geo information technologies with special reference to threatened and endemic species in the training manual on "Remote Sensing, GIS and GPS" pp 57-62.
5. Subhashree Pattnayak, **S.C. Sahu** and N.K. Dhal. (2018). Forest Structure and Composition of Chandaka Wildlife Sanctuary with special emphasis to tree diversity: In Angiosperm Systematics: Recent Trends and Emerging Issues. Ed. Priyanka Agnihotri & J.S. Khuraijam. M/s Bishen Singh Mahendra Pal Singh, Dehra Dun. ISBN: 978-81-211-0981-9. pp 377-390.
6. Pattnayak S., Murmu D., Moharana R., **S.C. Sahu** and Dhal N.K (2018). Ethnomedicinal plants used for jaundice as future source of drugs: a preliminary case study in Similipal Biosphere Reserve and its adjoining areas: In Facets of Similipal edited by Thatoi H.N. et al. pp. 77-95. ISBN: 978-81-933281-2-5.
7. **Sahu S.C.** (2019). Ethnobotanical Study of Pharmacologically Important Medicinal Plants: In Ethnopharmacology and Biodiversity of Medicinal Plants edited by Patra et al., pp.363-384 ISBN: 9781771887731, Apple Academic Press.
8. Nayak D. and **Sahu S.C.** (2019). Ethnomedicinal uses of plants from Lulung, Similipal Biosphere Reserve, Odisha: In Biotechnology for Sustainable utilization of Bioresources edited by H.N. Thatoi and S.K. Nayak, pp.151-166, ISBN: 978-93-88982-00-9 (HB), Daya Publishing House New Delhi.
9. Sweta Mishra, Padma Mahanti, Sanjeet Kumar and **Sudam C Sahu***(2019). Biodiversity of Odisha: In Medico-Biowealth of Odisha edited by Sanjeet Kumar, S.K. Biswal, S. Mishra, Nihar R. Singh, P. Balkrishnan, N.K. Kumawat and N.K. Dhal, pp.I-III, ISBN:978-81-938861-4-4, Ambica Prasad Research Foundation, Bhubaneswar.
10. Mohanta M.R., Pradhan B.K. and ***Sahu S.C.** (2020). Assessment of species diversity and physicochemical characteristics of mangrove vegetation in Odisha, India: In Biotechnological Utilization of Mangrove Resources edited by J.K. Patra, R.R. Mishra and H.N. Thatoi, pp.135-151, ISBN: 978-0-12-819532-1, Academic Press (Elsevier).

11. Mohanta M.R. and ***Sahu S.C.** (2020). Floristic diversity of Odisha: An Overview: In New Vistas in Indian Flora edited by L.J. Singh and V. Ranjan, pp.451-466, ISBN: 978-00-000-0000-0, M/s Bishen Singh Mahendra Pal Singh, Dehra Dun.
12. Mohanta M.R., Manjari Amrita and ***Sahu Sudam Charan** (2021). Floristic diversity in dry deciduous forest of Similipal Biosphere Reserve, Odisha, India: In Biodiversity conservation and livelihood management edited by Hrudayanath Thatoi and Priya Ranjan Debata, pp.71-86, ISBN: 978-93-90435-13-5, Daya Publishing House New Delhi.
13. **Sahu S.C.** (2022). Phytogeography, diversity and regeneration status of tree species in Similipal Biosphere Reserve: Implications for conservation in Protected Areas: In Biosphere Reserves, Botanic Gardens, Zoological Parks, Museums, Biodiversity of India- Identification, Conservation & Management edited by S.K. Mishra, pp: 147-151, ISBN: 978-81-928063-9-6, Govt. M.S. Golwalkar College, Rewa (M.P.), India
14. Mohanta M.R, Dash S.S. and ***Sahu S.C.** (2023). Wild Edible Plants of Similipal Biosphere Reserve, Odisha Odisha, India: In Green Technology for Environment Management edited by Anil Kumar Biswal and Hrudayanath Thatoi, pp:55-72, ISBN: 978-93-5461-379-1, Daya Publishing House New Delhi.
15. Muktipada Panda, S. S. Dash, S.P. Panda and **Sudam C. Sahu** (2024). Ansupa lake Odisha: In Compendium on Phytodiversity of Ramsar Sites in India edited by A A Mao, D K Agrawala, SS Dash, Vivek CP, Sinjini Mukherjee, J Jayanthi and JS Jalal, Vol-II, pp: 199-218, ISBN: 9788196533205, Botanical Survey of India, Kolkata.
16. A. Kurein, M.R. Sahu, Mukunda Dev Behera, A.J. Prakash, M. Mukhopadhyay, Soumit K. Behera, Saroj Kanta Barik, S.Gowda, P.C. Gogineni, S.K. Biswal and Sudam C. Sahu (2025). Role of phenology as discriminant in vegetation type mapping: In Sustainable Development Perspectives in Earth Observation edited by M.D. Behera, S.K. Barik, Trilochan Mohapatra, Swadhin K. Behera and Mrutyunjay Mohapatra, pp:217-234, ISBN: 978-0-443-14072-3, Elsevier publication.
17. Sabita Tudu, Mayanka M. Soren and Sudam C. Sahu (2025). Structure and diversity of tree species in tropical dry deciduous forest of Similipal Biosphere Reserve, Odisha, India: In Communities, Biodiversity and Conservation around Similipal edited by Hrudayanath Thatoi, Hemanta K. Sahu, Cuckoo Mohapatra and Sudam C. Sahu, pp:229-245, ISBN: 978-81-7035, Daya Publishing House, New Delhi, 2025.
18. Sifan Pryadarshini, Shakti S. Barik and Sudam C. Sahu (2025). Ecology, traditional knowledge and economic importance of Bamboo in Mayurbhanj district of Odisha: In Communities, Biodiversity and Conservation around Similipal edited by Hrudayanath Thatoi, Hemanta K. Sahu, Cuckoo Mohapatra and Sudam C. Sahu, pp:247-267, ISBN: 978-81-7035, Daya Publishing House, New Delhi, 2025.

BOOKS/TECHNICAL MANUALS PUBLISHED/EDITED

19. Plant Science ISBN: 978-953-51-0905-1, hard cover, 314 pages, Publisher: In Tech, Published, Croatia, UK: September 17, 2012; DOI: 10.5772/3007.
20. Essentials of Herbarium Techniques (A technical manual published in National workshop on “Herbarium Techniques for Bioprospecting”).
21. Training manual on “Remote Sensing, GIS and GPS” (Published in 7 days training programme on Remote Sensing, GIS and GPS held at North Orissa University, Baripada)
22. Parasitic Plants of Odisha ISBN: 978-81-935702-3-4, 40 pages, Publisher: Ambika Prasad Research Foundation, Bhubaneswar, Odisha, India: 5th June 2018.

23. Diversity and Ecology of Invasive Plants, ISBN: 978-1-83968-352-7, 100 pages, Publisher: IntechOpen, Croatia, UK: 18th December, 2019.
24. Trees of Chandaka Wildlife Sanctuary ISBN: 978-93-5391-853-8, 184 pages, Publisher: North Orissa University, Baripada: 22nd January, 2020.
25. Flora of Deogarh District, Odisha ISBN: 978-93-6028-850-1, 357 pages, Publisher: M/s Bishen Singh Mahendra Pal Singh, Derha Dun, India, 31st December, 2025.
26. Communities, Biodiversity and Conservation around Similipal ISBN: 978-81-7035.....Daya Publishing House, New Delhi, 2025.

Conferences Attended/Presented papers

International:

Sl. No	Name of Conference	Conference Paper	Place of Conference	Date of Conference
1	Evolution of plants from tropical to high mountain ecosystem: Focus on Asia	Phytogeographical distribution of threatened taxa of Deogarh district, Eastern Ghats, Orissa	Dr BAM University, Aurangabad (MS)	2 nd to 4 th Sept, 2010
2	Taxonomy, plant diversity and conservation	Vegetation dynamics and Biological spectrum of Gandhamardan hill ranges, Eastern Ghats, India: A sustainable approach for Biodiversity Conservation	Bharathiar University, Coimbatore (TN)	26 th to 28 th Nov, 2010
3	Innovative prospects in Angiosperm Taxonomy	Climate Change and Impact of Salinity on Seed germination and Seedling viability of few selected mangal species in Bhitarkanika Mangrove Ecosystem	Amaravati University, Amaravati (MS)	28 th to 30 th Oct, 2012
4	NCBS-Oxford meet	Ecosystem monitoring and forest census research	NCBS, Bangalore	19 th to 20 th May, 2014
5	Trends in Plant Systematic	Comparative study of tree species diversity	Bharathidasn University,	31 st Oct -2nd Nov, 2014

		in two different tropical forest types in Odisha (India)	Tiruchirapalli, Tami Nadu	
6	Tropical Ecology Congress	Forest Structure, species diversity and carbon stocks in Mahanadi mangrove wetland, Odisha	Centre for Environmental Sciences, JNU, New Delhi	10 th to 12 th Dec, 2014
7	Conservation and Sustainable utilization of Biodiversity	1. Diversity and distribution of <i>Rhizophora</i> in India 2. Structure, species composition and floral diversity of Chandaka Wildlife Sanctuary, Odisha- a case study	Dept. of Botany, Shivaji University, Kolhapur (M.S.)	7 th to 9 th Nov., 2016
8	Plant systematics: Priorities and Challenges	Tree species diversity along altitudinal gradients in moist deciduous forests of Saptasajya hills, Odisha, India	Dept. of Botany, University of Delhi, Delhi (India)	10 th to 12 th Nov., 2017
9	Plant Taxonomy and Ethnobotany	Population status of <i>Heritiera fomes</i> Buch.-Ham., a globally threatened species from Mahanadi Mangrove Wetland, East Coast of India	Botanical Survey of India, Kolkata	13 th to 14 th February, 2020
10	Plant identification to Biodiversity Assessment	Quantifying tree diversity and carbon stock assessment in different forest type of India	Botanical Survey of India, Kolkata	12-18 Dec, 2022
11	Plant taxonomy, Ethnobotany and Botanic	Ethnobotany: Wild Underground Plants linking livelihoods in	Botanical Survey of India, Kolkata	13 th to 14 th February, 2023

	gardens	North Eastern Odisha		
12	Biodiversity And Climate Change-Sustainable Development Perspective	Climate and Altitudinal variation regulate biomass and carbon stock distribution in different tropical forest types of Eastern India	IIT Kharagpur	16-19th February, 2023
13	Advances in Plant Systematics, Biogeography and Biodiversity Conservation	Phytogeography, diversity and regeneration status of tree species in Similipal Biosphere Reserve, Odisha	University of Calcutta, Kolkata	25-27 th November, 2023

National:

Sl. No.	Name of Conference	Conference Paper	Place of Conference	Date of Conference
1	Orissa Botanical Society Conference	A Few Interesting Ethno-medicinal Uses from Gond, Munda and Kondha Tribes of Deogarh District, Orissa, India	P.N. College Khurda (Odisha)	25 th to 26 th Dec. 2007
2	Commercial exploitation of medicinal and aromatic plants for health and sustenance	Under-exploited Medicinal plants of Deogarh district, Orissa, India and their commercialization	OUAT, Bhubaneswar	9 th to 10 th Feb, 2008
3	Biodiversity management and sustainable use of resources	Threats to medicinal plants of Deogarh district: A case study	G.M. College, Sambalpur (Odisha)	19 th to 20 th April, 2008
4	Plant resources assessment and conservation under changing environment	Floristic assessment and Biological spectrum of the flora of Deogarh district-Environmental implications for Biodiversity conservation	Christ College, Cuttack (Odisha)	29 th to 30 th Dec, 2010

5	New Frontiers in Life Sciences	Life forms and Biological spectrum of the flora of Deogarh district, Odisha, India: An Environmental assessment	Regional Museum of Natural History, Bhubaneswar	9 th to 10 Dec, 2010
6	Biodiversity conservation and climate change	Vegetation dynamics of tree species in a sacred forest ecosystem of Eastern Ghats, India	CSIR-IMMT, Bhubaneswar (Odisha)	2 nd to 4 th Dec, 2011
7	99 th Indian Science Congress	Taxonomic diversity and ecology of understorey vegetation in <i>Mesua ferrea</i> forest of Malyagiri hill range, Eastern Ghats, India	KIIT, University, Bhubaneswar	3 th to 7 th Jan, 2012
8	Medicinal plants: Traditional knowledge and modern research	Fibre- yielding plant resources of Odisha- Assessment, distribution and perspective for utilization	B.B. Mahavidyalaya, Chandikhole (Odisha)	25 th to 26 th Feb, 2012
9	Biotechnology for Sustainable Utilization of Bioresources	Phytogeographical affinities of Similipal Biosphere Reserve, Odisha (India)	Dept. of Biotechnology, North Orissa University, Baripada (Odisha)	17 th to 19 th Feb, 2017
10	Importance of Sacred Groves for the Conservation of Medicinal Plants and Biodiversity	Role of sacred groves in conservation of medicinal plants: a case of Niyamgiri hill range, Odisha	Organized by Ambika Prasad Research Foundation at Maritime museum, Cuttack	7 th January, 2018
11	Biodiversity Conservation for Sustainable development and Environmental management	Conservation and Plantation of Mangroves for Climate Change Mitigation: Case of Mahanadi Mangrove Wetland (MMW), East Coast of India	School of Applied Sciences, Centurion University of Technology and management, Bhubaneswar,	1-2 April, 2018

			Odisha	
12	Science for Society	Tree species diversity, distribution and soil nutrient status along altitudinal gradients in Saptasajya hill range, Eastern Ghats, India	NISER Campus, Jatni, Khorda	17-18 Nov, 2018
13	Plants for Sustainable Development and Clean Environment	Is Odisha forest a sink of carbon for 21 st century?	Department of Botany, School of Applied Sciences, Centurion University of Technology and management, Bhubaneswar, Odisha	23 rd -24 th Dec, 2018
14	National Information System for Climate and Environment Studies (NICES)	Carbon stock assessment in mangrove forests of Mahanadi Mangrove Wetland (MMW). Odisha, India	CSIR-IMMT, Bhubaneswar	06 th April, 2018
15	Indigenous knowledge & conservation of threatened medicinal plants	Conservation of threatened medicinal plants under climatic change using species distribution model: case of <i>Saraca asoca</i> (Roxb.) Wild.	School of Applied Sciences, Centurion University of Technology and management, Bhubaneswar, Odisha	30 th - 31 st August 2019

16	Biodiversity conservation: its challenges and opportunities	Climate change and forests: impacts, mitigation and adaptation	Department of Botany, Pattamundai College, Pattamundai, Kendrapara	19 th November 2020
17	Plant Taxonomy and Ethnobotany in India- Future and Challenges	-	NMNH, New Delhi and TDU, Bengaluru	4 th to 6 th November 2020
18	Biosphere Reserves of India: Identification, Conservation and Management	Phytogeography, diversity and regeneration status of tree species in Similipal Biosphere Reserve: Implication for Biodiversity conservation in Protected Areas	Govt. MS Golvalkar College, Rewa (M.P.)	15 th to 19 th March 2021
19	Similipal: Communities, Biodiversity and Conservation	Phenological complexity affects species regeneration in tropical forests: a case of <i>Terminalia tomentosa</i> (Roxb.) Wight & Arn. In Similipal Biosphere Reserve. India	MSCB University, Baripada, Odisha	20-21 st December, 2021
20	Past, Present and Future of Similipal	Ecology, Traditional knowledge and Economic importance of Bamboo in Mayurbhanj district of Odisha	MSCB University, Baripada, Odisha	22-23 rd July, 2023

21	National Science Day Celebration	My Research Activities at MSCB University	MSCB University, Baripada, Odisha	28 th February, 2024
22	Odisha Research Conclave	Taxonomy, Diversity and Conservation of Gingers in Odisha	Fakir Mohan University, Balasore	26-28 th November, 2024

PROJECTS COMPLETED

1. Title: **“Carbon sequestration assessment and population status of threatened mangroves in Mahanadi Mangrove Wetland, Odisha-Implications for conservation and management”** funded by Science and Engineering Research Board (SERB), Department of Science and Technology, New Delhi.
Period: 2013-2016
Project cost: Rs. 24. 21 Lakh
2. Title: **“Tree species composition and carbon stocks assessment in different forest types of Similipal Biosphere Reserve, Odisha (India)”** funded by Science and Technology Department, Govt. of Odisha.
Project cost: Rs. 7.26 Lakh
Period: 2018-2022
3. Title: **“Taxonomy, Diversity and Conservation of Gingers (Zingiberaceae) in Odisha”** funded by Odisha State Higher Education Council, Govt. of Odisha.
Project cost: Rs. 6.72 Lakhs
Period: 2023-2025

PROJECTS ON-GOING

4. Title: **“Conservation and Propagation of *Diospyros* species in Eastern Ghats of India”** funded by Ministry of Environment, Forests & Climate Change (MoEF & CC), Govt. of India.
Project cost: Rs. 29.73 Lakhs
Period: 2024-2027
5. Title: **“Population status, carbon storage and in-vitro conservation of *Prunus ceylanica* (Wight)Miq. In Similipal Biosphere Reserve: An endangered tree species of India”** funded by University Funded Intra-Mural Research Project (UFIRP) of MSCB University, Baripada (As Co-PI).
Project cost: Rs. 9.94 Lakhs
Period: 2024-2026

6. Title: **“Developing a Forest Carbon Accounting and Monitoring System using multi-sensor Earth Observation and Machine Learning”** funded by ISRO, Govt. of India (As PI)

Project cost: Rs. 18.94 Lakh

Period: 2026-2029

INVITED TALK

1. Role of sacred groves in conservation of medicinal plants: a case of Niyamgiri hill range, Odisha in National Seminar on “Importance of sacred groves for the conservation of medicinal plants and biodiversity” organized by Ambika Prasad Research Foundation (Date-07/01/2018; Venue- Maritime museum, Cuttack).
2. Conservation and Plantation of Mangroves for Climate Change Mitigation: Case of Mahanadi Mangrove Wetland (MMW), East Coast of India organized by School of Applied Sciences, Centurion University of technology and management, Bhubaneswar, Odisha on “Biodiversity conservation for sustainable development and environment management” (Date-02/04/2018).
3. Carbon stock assessment in mangrove forests of Mahanadi Mangrove Wetland (MMW). Odisha, India in one day national workshop on “Utilization of National Information System for Climate and Environmental Studies (NICES) and it’s Data Products” organized by NRSC, Hyderabad and CSIR-IMMT, Bhubaneswar (Date-06/04/2018).
4. Is Odisha forest a sink of carbon for 21st century? In two days nation seminar on “Plants for sustainable development and clean environment” of Odisha Botanical Society at Centurion University of technology and management, Bhubaneswar (Date-23/12/2018).
5. Conservation of threatened medicinal plants under climatic change using species distribution model: case of *Saraca asoca* (roxb.) Wild. In two days national seminar on “Indigenous knowledge & conservation of threatened medicinal plants” held at Centurion University of technology and management, Bhubaneswar (Date- 30-31 August 2019).
6. “Climate change and Forests: Impacts, mitigation and adaptation” in one day National Webinar on Biodiversity conservation: its challenges and opportunities held at Department of Botany, Pottamundai College, Kendrapara (Date-19th November, 2020).
7. Phytogeography, diversity and regeneration status of tree species in Similipal Biosphere Reserve: Implication for Biodiversity conservation in Protected Areas in one day webinar on Biosphere Reserves of India: Identification, Conservation and Management held at Govt. MS Golwalkar College, Rewa (M.P.) (Date: 15th to 19th March 2021).
8. Quantifying tree diversity and carbon stock assessment in different forest type of India in 7 days SERB sponsored high end workshop on “Plant identification to Biodiversity Assessment” held at BSI, Kolkata. (12-18 Dec, 2022)
9. Climate and Altitudinal variation regulate biomass and carbon stock distribution in different tropical forest types of Eastern India in 3rd International Workshop On Biodiversity And Climate Change-Sustainable Development Perspective held at IIT, Kharagpur (16-19th February 2023)
10. Role of Educational Institutions in Conservation of Medicinal Plants in state level work on Medicinal plants organized by F.M. University, Balasore (25th August, 2023)

11. Plant collections to Preservation: A taxonomic Approach in regional seminar of Department of Botany, Udala College, Udala (22nd March, 2024).
12. Carbon sequestration in different tropical forest types of Odisha and its link to diversity, structural attributes and edaphic factors in National Seminar on “Fostering Science for Holistic Development” at CSIR-IMMT, Bhubaneswar (29th November, 2024).
13. Understanding forest carbon pools: a potential strategy for climate change mitigation in National Seminar on “Research Approaches for Sustainable Growth of Plants and Microbes in Present Climatic Condition” at Fakir Mohan University, Balasore. (29th December, 2024).
14. Ashwagandha (*Withania somnifera*): a potential medicinal and economical plant for cultivation in a workshop on “Promotion and propagation of Ashwagandha (*Withania somnifera*) in Mayurbhanj District, Odisha” at KVK, Shyamakhunta, Mayurbhanj, Odisha on 23rd December, 2025.
15. Virtual Herbarium and Prioritization of RET Taxa for Conservation in National Level workshop on “Plant Identification, Preservation, Conservation and Modern Approaches to Herbarium Preparation” at Dept. of Botany, Egra S.S.B. College, West Bengal on 18th March, 2026.

PROFESSIONAL MEMBERSHIPS

1. Member of Research Advisory committee, Centre for Environmental Studies, Bhubaneswar (Dept. of Environment & Forest, Govt. of Odisha)
2. Life Member of Odisha Botanical Society.
3. Life Member of Odisha Environment Society.
4. Fellow of India Association for Angiosperm Taxonomy.
5. Reviewers of many SCI and Non-SCI Journals
6. Editorial Boards Member of *Communis Biologica* Journal.

POSTERS PRESENTED

1. CSIR-IMMT Research Scholar Day. Biodiversity conservation: An eco-friendly approach to mitigate the climate change.

WORKSHOPS ATTENDED

1. National Workshop on “Herbarium Techniques for Bioprospecting” organized by CSIR-IMMT, Bhubaneswar (March 9-11, 2010).
2. Two days workshop on “Developed techniques for better production of medicinal and aromatic plants” (4th to 6th November, 2009).
3. National workshop on “Electron microscopes: Instrumentation and their application in Material Science and Biological Science” organized by Jadavpur University, Kolkata (23rd November to 25th November 2009).
4. Two days workshop on “Documentation of Western Ghats Biodiversity- Role of civil society and the use of the Western Ghats Portal organized by MES Asmabi College, Kerala (14th -15th September, 2012).
5. “Ecosystem monitoring and forest census research” at National Centre for Biological Sciences (NCBS), Bangalore, India in collaboration with RAINFOR-GEM and Oxford University.
6. One day workshop on Utilization of ‘National Information System for Climate and Environmental Studies (NICES)’ and its data products organized by NRSC, Hyderabad and CSIR-IMMT, Bhubaneswar (Date-06/04/2018).

7. Seven days work shop on “Plant Taxonomy: Classical to Molecular” organized by Manosarovar Global University, Bhopal, M.P. (29th November to 4th December, 2021).

Students Guidance

M. Sc. Dissertation (Completed-59)

M. Phil. Degree (Completed-06)

1. Mr. Amit Kumar Pani (Title of the Dissertation: Phytodiversity analysis along altitudinal gradients in tropical moist deciduous forests of Saptasajya hills, Odisha, India)
2. Mr. Bikram Kumar Pradhan (Title of the Dissertation: Diversity and Distribution of Mangroves in Chandbali block of Bhadrak Forest Division, Odisha, India)
3. Ms. Monalisa Jena (Title of Dissertation: Predicting potential distribution, range change and niche dynamics of *Saraca asoca* (Roxb.) Wild. in India: a threatened medicinal plant under climatic change)
4. Ms. Ysaswinee Rout (Title of Dissertation: Estimation of biomass and carbon stock in tropical dry deciduous forests of Similipal Biosphere Reserve, Odisha, India).
5. Gour Chandra Samal (Title of Dissertation: Effect of Forest Fire on Tree diversity, Regeneration potential, Biomass and Soil properties in a Tropical dry deciduous forest of Similipal Biosphere Reserve, Odisha, India).
6. Ankita Das (Title of Dissertation: Phyto-ecological study of hilly landscape surrounding Ansupa Lake: A Ramsar site of Odisha).

Ph. D. Degree (Completed-04; Continuing-03)

1. Name of the Student: Manas Ranjan Mohanta

Title of Thesis: Phenology of tree species in tropical forests of Similipal Biosphere Reserve, Odisha, India (Awarded)

2. Name of the Student: Muktipada Panda

Title of Thesis: Species composition, stand structure and carbon storage potential of mangrove forests in river mouth habitats of Odisha (Awarded)

3. Name of the Student: Sifan Priyadarshini

Title of Thesis: Taxonomy and Ethnobotany of Zingiberaceae in Odisha, India (Awarded)

4. Name of the Student: Sabita Tudu

Title of Thesis: Taxonomic studies on the genus *Diospyros* L. (Ebenaceae) in Eastern Ghats, India (Thesis submitted)

5. Name of the Student: Jeevan Kumar Jena

Title of Thesis: Eco-taxonomic studies on Mimosoid clade (Caesalpinioideae, Fabaceae) in Odisha (Continuing...)

6. Name of the Student: Bhagyashree Bhoi

Title of Thesis: Systematic study of the genus *Phyllanthus* L. (Phyllanthaceae) in Odisha, India (Continuing...)

7. Name of the Student: Maheswari Jena

Title of Thesis: Taxonomic studies on the family Cucurbitaceae Juss. in Odisha, India (Continuing...)