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Title	Prof.	First Name	DINABANDHU	Last Name	SAHOO	Photograph
Designation		Professor (Since 2007)				
Department		BOTANY				
Address (Campus)		Department of Botany, North Campus ,University of Delhi, Delhi-110007				
Mobile		08132953575, 09818165197				
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Educational Qualifications; Ph.D, D.Sc (Honoris Causa), FNASc, FNAAS, FBRs, FISEES

Subject	Institution	Year	Details
BOTANY (M.Sc)	UNIVERSITY OF DELHI	1983	Thesis topic:
BOTANY (M.Phil)	UNIVERSITY OF DELHI	1985	Subjects: Histochemical and Developmental studies on phases of reproduction in a red alga - <i>Centroceras clavulatum</i> (C.Agardh) Montagne
BOTANY (Ph.D)	UNIVERSITY OF DELHI	1989	Subjects: Histochemical and Ultrastructural studies on <i>Cystoseira indica</i> (Thivy et Doshi) Mairh from Port Okha

Academic Distinctions

1. First-ever Indian student participant in the 7th Indian Scientific Expedition to Antarctica during 1987-88. Undertook two trips to Arctic during 1991 and 1992.
2. Visited all the seven Continents and Five Oceans within a period of 18 months during 1987-89.
3. A New Ginger species *Caulokaempferia dinabandhuensis* is being named after him.
4. An Orchid *Papilionanda Dinabandhu Sahoo* has been registered in UK in his name.

Career Profile

Organisation / Institution	Designation	Duration	Role
Institute of Bioresources and Sustainable Development (IBSD) A National Institute of Department of Biotechnology ,Govt. of India at Manipur, Meghalaya, Mizoram and Sikkim	Director	2014-2019	Director
Institute of Life Sciences (ILS) Bhubaneswar, Odisha	Director	2016	Director(Additional Charge)
Smithsonian Institution, Washington D.C., USA	Visiting Fellow	1992	Researcher
Usa Marine Biological Institute, Japan	INSA-JSPS Fellow	1999-2000	Researcher

University of Connecticut, Stamford, USA	Visiting Fellow	2002	Researcher
Swedish International Development Agency (Sweden)	Management Trainee	2009	International Governance in practice Trainee in Marine Management- Good

1. **Scientific Advisor, to the Hon'ble Chief Minister, Government of Meghalaya wef March 2019.**
2. **Advisor, Higher Education and Research, Government of Manipur, Feb 2018 – 2021.**
3. **Advisor, Climate Change to Government of Manipur, Feb 2018 – 2021.**
4. **Former Chairman, Governing Body, Kalindi College, University of Delhi, Delhi.**
5. **Former Member, Governing Body DDU College, University of Delhi**
6. **Member, Governing Body, Deshbandhu College. University of Delhi**
7. **Visiting Professor at University of Kashmir, Srinagar, Kashmir under the inspire programme of Department of Science and Technology Govt. of India. 2013**
8. **Adjunct Professor, Rajiv Gandhi Centre Biotechnology(Thiruvananthapuram, Kerala)**
9. **Adjunct Professor, Institute of Life Sciences, Bhubaneswar, Odisha**

Research Interests / Specialization

BIORESOURCE MANAGEMENT, SUSTAINABLE DEVELOPMENT, CLIMATE CHANGE, BIOLOGY OF ALGAE, MARINE SCIENCE, ALGAL BIOTECHNOLOGY

Teaching Experience (Subjects/Courses Taught)

26 YEARS OF TEACHING AND RESEARCH IN THE ABOVE AREAS

Awards and Fellowships

1. Elected **Fellow**, International Society for Energy, Environment and Sustainability, 2020
2. Elected for **Rashtra Ratna Jeevan Gaurav** award in January 2020
3. Elected **Fellow**, National Academy of Agriculture Sciences (NAAS), 2019
4. **Scientific Advisor** to the Hon'ble Chief Minister, Government of Meghalaya wef March 2019.
5. **Doctor of Science (D.Sc.) Honoris Causa** by Kalinga Institute of Industrial Technology (KIIT) University, India 2018.
6. Elected **Fellow**, The National Academy of Sciences (NASI), India 2017.
7. Elected **Honorary Fellow** of Biotech Research Society of India (BRSI), 2017
8. **Advisor**, Higher Education and Research, Government of Manipur, Feb 2018 – 2021.
9. **Advisor**, Climate Change to Government of Manipur, Feb 2018 – 2021.
10. **Professor Harihar Pattnaik Memorial Award** in Algology 2017 for outstanding contribution in the field of Algae by Orissa Botanical Society
11. **YSRK Sarma Memorial Award 2015** for outstanding contribution in the field of Phycology and Marine Science.
12. **India Sustainability Leadership Award 2015** for Sustainable Development.
13. **Fellowship of the year Award 2009** by National Environmental Science Academy for

outstanding contribution in the field of Marine Environment (The award was presented by Honorable Union Minister of Environment and Forest Minister at New Delhi, India on October 4, 2009)

- 14 Awarded **M. P. Purohit Memorial Award** for popularization of plant science in the state of Orissa for the year 2009.
- 15 Awarded **International Training Fellowship by Swedish International Development Agency (SIDA)** for Marine Management and Good Governance 2009.
- 16 Awarded **Biotechnology Overseas Associateship**, Department of Biotechnology, Government of India, New Delhi to visit USA during 2002.
- 17 Awarded **INSA-JSPS International Exchange Fellowship**, during 2000 to visit Japan.
- 18 **Young Scientist award** by Aus-Aid at 4th Asia-Pacific conference on Agricultural Biotechnology, Darwin, Australia, 1998.
- 19 **Young Scientist Award**, 1997.
- 20 **Zahoor Qasim Gold medal**, 1997.
- 21 **Recipient of Visiting Fellowship**, Smithsonian Institution, Washington D.C., USA, 1992.
- 22 **Recipient of Research Associateship** by Council of Scientific and Industrial Research (1989-95).
- 23 **Recipient of Senior Research Fellowship** by Council of Scientific and Industrial Research (1987-88).
- 24 **Recipient of National Scholarship** (1981-83).

Society Positions

- (i) Vice –President ,Indian Society for Translational Research, Pune,India.
- (ii) Secretary, Indian Phycological Society, New Delhi, India.
- (iii) Deputy General Secretary, National Environmental Science Academy (2008 - 2015), New Delhi.
- (iv) Convener, Alumni Affairs, Department of Botany, University of Delhi, Delhi (1997-2000).
- (v) President, Delhi University Botanical Society, University of Delhi, Delhi (1987-88).
- (vi) Convener, National Seminar on “Research and Educational Priorities for Environmental Management in India” held on the occasion of World Environment Day, 1987.
- (vii) Member, Editorial Board, “The Botanica” (Magazine of Delhi University Botanical Society), 1985, 1986 and 1987.
- (viii) Member, Central Reception Committee, 73rd Indian Science Congress, 1986.
- (ix) Vice-President, Jubilee Hall students Union, University of Delhi, 1984-85.

Society Memberships

- (i) International Phycological Society.
- (ii) International Seaweed Association.
- (iii) Phycological Society of India (Life Member).
- (iv) Seaweed Research and Utilization Association (Life Member).
- (v) Indian Botanical Society (Life Member).
- (vi) Society of Biosciences (Life Member).

- (vii) Delhi University Botanical Society (Life Member).
- (viii) International Society of Plant Morphologists (Life Member).
- (ix) Society for Indian Ocean Studies.
- (x) The Biotech Research Society , India

Publications Profile

Books

- (i) **Sahoo Dinabandhu**, Chowdhury BR. 2018. North East India - Bioresources, People and Culture, IBSD Publication. pp. 200 [ISBN No – 978-93-80925-75-2]
- (ii) Qasim S.Z. & **Sahoo Dinabandhu** 2019 “Antarctica: Bharat Ki Himani Mahadwip Ke Liye Yatra” (Hindi Version), Niyogi Books, New Delhi, India pp. 160. **ISBN-10: 9386906570**
- (iii) **Sahoo Dinabandhu** 2016. Manipur: “Bioresources-People and Culture” IBSD Publication pp.128
- (iv) **Sahoo Dinabandhu** 2016. Cherry Blossom-Sakura for Peace,Prosperity and Sustainable Development pp.50.
- (v) **Sahoo Dinabandhu** and Seckbach, J. (eds.) 2015 “The Algae World” Springer Verlag. (**More than 20,000 downloads**)
- (vi) Qasim S.Z. & **Sahoo Dinabandhu** 2013 “Antarctica: India’s journey to the frozen continent”. Niyogi Books, New Delhi, India pp. 156.
- (vii) **Sahoo Dinabandhu** and Kaushik, B.D 2012 “*Algal Biotechnology and Environment*” I. K. International publishing house Pvt. Ltd. 43-52, New Delhi, India, pp.v+331.
- (viii) Sahoo Dinabandhu. 2010. “Common Seaweeds of India”. IK.International Publishing House Pvt.Ltd, New Delhi, India, pp.vii +196.
- (ix) Levine Ira A. and Sahoo Dinabandhu. 2010. “Porhyra Harvesting gold from sea” IK.International Publishing House Pvt.Ltd, New Delhi, India, pp.v+93.
- (x) Sahoo Dinabandhu & Pandey,P.C.,(Eds), 2002. “Advances in Marine and Antarctic Science”.APH Publications, New Delhi, India, pp.XV + 443.
- (xi) Sahoo Dinabandhu, Nivedita & Debasish, 2001. “Seaweeds of Indian Coast” APH Publishing Corporation, New Delhi, India. pp. XXI + 283.
- (xii) Sahoo Dinabandhu & Qasim, S.Z (Eds), 2002. “Sustainable Aquaculture”. APH Publishing Corporation, New Delhi, India. pp. XXIX + 230.
- (xiii) Sahoo Dinabandhu, 2000. “Farming the Ocean: Seaweeds Cultivation and Utilization”. Aravali Books International, New Delhi, India. pp. XI + 44.

1. Loreni C Phukon, Chourasia P, Kumari M, Godan TK, **Sahoo Dinabandhu**, Parameswaran P, **Rai AK**. 2020. Production and characterisation of lipase for application in detergent industry from a novel *Pseudomonas helmanticensis* HS6. **Bioresource Technology**. 123352 (IF – 7.53).
2. Nayak, S.S., Pradhan, S., **Sahoo Dinabandhu**, Parida A. 2020. *De novo* transcriptome assembly and analysis of *Phragmites karka*, an invasive halophyte, to study the mechanism of salinity stress tolerance. **Scientific Reports**, 10, 5192. <https://doi.org/10.1038/s41598-020-61857-8>. (IF – 4.0).
3. Sharma, B., Arora, S., **Sahoo Dinabandhu**, Deswal R. 2020. Comparative fatty acid profiling of Indian seabuckthorn showed altitudinal gradient dependent species-specific variations. **Physiol Mol Biol Plants** 26, 41–49. (IF – 1.539)
4. Puthiyamadam A, Adarsh VP, Mulepuredy KK, Mathew A, Kumar J, Yenumala SR, Thallada Bhaskar, Bevi US, **Dinabandhu Sahoo**, Rajeev K Sukumaran. 2019. Evaluation of a wet processing strategy for mixed phumdi biomass conversion to bioethanol. **Bioresource Technology**. <https://doi.org/10.1016/j.biortech.2019.121633>. (IF – 7.53).
5. Awasthi A, Singh G, Dhyani V, Kumar J, Reddy YS, VP Adarsh, Puthiyamadam A, Mulepuredy KK, Sukumaran RK, Ummalyima SB, **Dinabandhu Sahoo**, Thallada Bhaskar (2019) Co-pyrolysis of phumdi and para grass biomass from Loktak Lake. **Bioresource Technology** 285, 121308. (IF – 7.53).
6. Rai AK, Pandey A, **Sahoo Dinabandhu***. 2019. Biotechnological potential of yeasts in functional food industry. **Trends in Food Science and Technology**, 83, 129-137 (IF – 11).
7. **Dinabandhu Sahoo**, N. Jusna Devi, N. Ngashangva, P. Momota, Y. Rojeena, S. Indira Devi. 2019. Draft Genome Sequence of *Arthrobacter globiformis* mrc11, an Antimicrobial Agent Isolated from a Khangkhui Cave Deposit, **Microbiology Research Announcement**, DOI: 10.1128/MRA.01620-18
8. Rajesh RO, Godan TK, **Rai AK**, Sahoo D, Binod P. 2019. Biosynthesis of 2,5-furandicarboxylic acid by *Aspergillus flavus* APLS-1: Process optimization and intermediate product analysis. **Bioresource Technology**. 284, 155- 160 (IF – 7.53).
9. Thongam B, Konsam B, **Sahoo Dinabandhu**. 2019. *Impatiens deflexipetalum* (Balsaminaceae), a New Species from Manipur, India. **Annales Botanici Fennici**. 56, 1-3.
10. Godan TK, Rajesh RO, Loreni C Phukon, Rai AK, **Sahoo Dinabandhu**, Binod P. 2019. Biotransformation of 5-hydroxymethylfurfural by *Acinetobacter oleivorans* S27 for the synthesis of furan derivatives **Bioresource Technology**. 282, 88-93. (IF –7.53).
11. Sharma, B., Gupta, R., **Sahoo Dinabandhu**, Deswal R. 2019. Purification of dual-functioning chitinases with hydrolytic and antifreeze activities from *Hippophae rhamnoides* seedlings. **Journal of Proteins and Proteome**. <https://doi.org/10.1007/s42485-019-00007-9>
12. **Sahoo Dinabandhu**, Ummalyima SB, Kumar OA, Pandey A, Sankar M, Sukumaran RK. 2018. Effect of dilute acid pretreatment of wild rice grass (*Zizania latifolia*) from Loktak Lake for enzymatic hydrolysis, **Bioresource Technology**, 253, 252-255 (IF –7.53).

13. Bharali P, Das S, Ray A, Singh SP, Bora U, Konwar BK, Singh CB, **Sahoo Dinabandhu**. 2018. Biocompatibility natural effect of rhamnolipids in bioremediation process on different biological systems at the site of contamination. **Bioremediation Journal**, 22, 91-102. (IF – 1.098).
14. Sharma B, Deswal R, **Sahoo Dinabandhu**. 2018. Single-step purification and characterization of antifreeze proteins from leaf and berry of a freeze-tolerant shrub seabuckthorn (*Hippophae rhamnoides*). **Journal of Separation Science**. 41, 3938-3945 (IF – 2.516).
15. Singh SP, Nongalleima K, Singh NI, Doley P, Singh CB, Singh TR, **Sahoo Dinabandhu**. 2018. Zerumbone reduces proliferation of HCT116 colon cancer cells by inhibition of TNF-alpha. **Scientific Reports**, 8, 4090. (IF – 4.011).
16. Potshangbam M, **Sahoo Dinabandhu**, Verma P, Verma S, Kalita MC, Indira Devi S. 2018. Draft genome sequence of *Bacillus altitudinis* Lc5, a biocontrol and plant growth-promoting endophyte strain isolated from indigenous black rice of Manipur. **Genome Announcement**. 6: e00601-18. <https://doi.org/10.1128/genomeA.00601-18>.
17. Singh SP, Singh NI, Nongalleima K, Doley P, Singh CB, **Sahoo Dinabandhu**. 2018. Molecular docking, MD simulation, DFT and ADME-toxicity study on analogs of zerumbone against IKK- β enzyme as anti-cancer agents. **Network Modeling Analysis in Health Informatics Bioinformatics** 7: 7.
18. Ingle KK, Uppadhyay V, Nayaka S, Trivedi S, **Sahoo Dinabandhu**. 2018. New records and an updated key of *Pyrenula* from India, **Cryptogam Biodiversity and Assessment**, 2456-0251, 37-
19. Gurung B, Rai AK, Bhardwaj P, **Sahoo Dinabandhu**. 2018. Major ginsenoside contents in rhizomes of *Panax sokpayensis* and *Panax bipinnatifidus*. **Natural Product Research**. DOI: 32, 234-238 (IF – 1.999).
20. Sanabam, R., Singh, N.S., **Sahoo Dinabandhu**, Devi SH. 2018. Genetic relationship of rough lemon landraces and under-utilised citrus genotypes from North-East India revealed by SSR and RAPD markers, **Trees**. 32, 1043 - 1059 (IF – 1.799).
21. Singh KD, Labala RK, Devi TB, Singh NI, Chanu HD, Sougrakpam S, Nameirakpam BS, **Dinabandhu Sahoo**, Rajashekar Y. 2017. Biochemical efficacy, molecular docking and inhibitory effect of 2, 3-dimethylmaleic anhydride on insect acetylcholinesterase. **Scientific Reports**. 7 (12483), DOI:10.1038/s41598-017-12932-0. (IF – 4.011).
22. **Sahoo Dinabandhu**, Ummalyma SB, Kumar OA, Sukumaran RK, George E, Pandey A. 2017. Potential of *Brachiaria mutica* (Para grass) for bioethanol production from Loktak Lake. **Bioresource Technology**. 242, 133-138. (IF – 7.53).
23. Kumar S, **Sahoo Dinabandhu**. 2017. A comprehensive analysis of alginate content and biochemical composition of leftover pulp from brown from brown seaweed *Sargassum wightii*. **Algal Research**. 23, 233-23 (IF – 4.0).
24. Rai AK, Sanjukta S, Chourasia R, Bhat I, Bhardwaj PK, **Sahoo Dinabandhu**. 2017. Production of soybean bioactive hydrolysate using protease, amylase and β -glucosidase from novel *Bacillus* spp. strains isolated from *kinema*. **Bioresource Technology**. 235, 358-365. (IF – 7.53).

25. Devi, S.I, Lotjem H, Devi EJ, Potshangbam M, Ngashangva N, Bora J, **Sahoo Dinabandhu**, Sharma C. **2017**. Bio-mining the forest ecosystem of North East India for identification of antimicrobial metabolites from fungi through submerged fermentation. **Bioresource Technology**. 241, 1168-1172. (IF – 7.53).
26. Ummalyma S, B, Pandey A, Gnansounou, E, Sukumaran, R. K, Ravindranath, S., **Sahoo Dinabandhu**. **2017**. Bioflocculation: An alternative methods for harvesting of microalgae: Review. **Bioresource Technology**. 242, 227 – 235. (IF – 7.53).
27. Potshangbam M, Indira Devi S, **Sahoo Dinabandhu**, Strobel GA. **2017**. Functional characterisation of endophytic fungal community associated with *Oryzasativa* L. and *Zea mays* L. **Frontiers in Microbiology**. <https://doi.org/10.3389/fmicb.2017.00325>. (IF – 4.259).
28. Verma P, Kumar M, Mishra G, **Sahoo Dinabandhu**. **2017**. Multivariate analysis of fatty acid and biochemical constituents of seaweeds to characterize their potential as bioresource for biofuel and fine chemicals. **Bioresource Technology**. 226: 132–144. (IF – 7.53).
29. Shukla JK, Dhakal P, Uniyal RC, Paul N, **Sahoo Dinabandhu**. **2017**. Ex-situ cultivation at lower altitude and evaluation of Swertiachirayita, a critically endangered medicinal plant of Sikkim Himalayan region, India. **South African Journal of Botany**. 109: 138–145. (IF – 1.504).
30. Mousinho MCAM, Torres EA, de Melo SABV, **Dinabandhu Sahoo**, Silva MS. **2017**. Provoking Energy Cooperation in the South Countries: Renewable Energy in Brazil and India, **International Journal of Energy Economics and Policy**, 7, 269-274.
31. Vivek Chopra, **Dinabandhu Sahoo**, Jai Gopal Sharma. **2017**. Unravelling Seasonal Diversity of Algal Flora of River Yamuna in Delhi Region, **Nature Environment and Pollution Technology**, 16, 929.
32. Rai AK, Kumari R, Sanjukta S, **Sahoo Dinabandhu**. **2016**. Production of bioactive protein hydrolysate using the yeasts isolated from soft *chhurpi*. **Bioresource Technology**. 219: 239–245. (IF – 7.53).
33. Shukla R, Kumar M, Chakraborty S, Gupta R, Kumar S, **Sahoo Dinabandhu**, Kuhad RC. **2016**. Process development for the production of bioethanol from waste algal biomass of *Gracilaria verrucosa*. **Bioresource Technology**. 220: 584–589. (IF –7.53).
34. Sondak CFA, AngJr PO, Beardall J, Bellgrove A, Boo SM, Gerung GS, Hepburn CD, Hong DD, Hu Z, Kawal H, Largo D, Lee JA, Lim PE, Mayakun J, Nelson WA, Oak JH, Phang SM, **Sahoo Dinabandhu**, Peerapornpis Y, Yang Y, Chug IK. **2016**. Carbon dioxide mitigation potential of seaweed aquaculture beds (SABs). **Journal of Applied Phycology**. 1-11. (IF – 2.9).
35. Roy Ansuman, **Sahoo Dinabandhu**, Tripathy BC. **2016**. Light-hormone interaction in the red light induced suppression of photomorphogenesis in rice seedlings. **Protoplasma**. 253(2): 393- 402. (IF – 2.633).
36. Kumar S, **Sahoo Dinabandhu**, Levine I. **2015**. Assessment of nutritional value in a brown seaweed *Sargassum wightii* and their seasonal variations. **Algal Research**. 9: 117-125. (IF – 4.0).
37. Kumar S, Baweja P, **Sahoo Dinabandhu**. **2014**. Light and scanning electron micrographic studies in cystocarpic plant of *Rhodymenia dissecta*. **Phytomorphology**. 64(1&2): 53-62.

38. Mayanglambam A, **Sahoo Dinabandhu. 2014.** Seaweeds Diversity and Life form of Mandapam Coast, India during Premonsoon Period. **International Journal of Agricultural Sciences.** 5(1): 15-26.
39. Verma P, **Sahoo Dinabandhu. 2014.** Seaweeds Diversity of Gulf of Kutch, Port Okha, Gujarat, India during Postmonsoon Period. **International Journal of Agricultural Sciences.** 5(1): 87-95.
40. Elangbam G, Devi SS, **Sahoo Dinabandhu. 2014.** Screening of potential microalgae for the sequestration of carbon dioxide. **International Journal on Environmental Sciences.** 5(1): 17- 23.
41. Mayanglambam A, **Sahoo Dinabandhu 2014.** Epiphytism and herbivory in *Kappaphycus alvarezii* at Indian coast. **International Journal on Environmental Sciences.** 5(1): 25-33.
42. **Sahoo Dinabandhu** and Elangbam G, **2014.** Effect of carbon dioxide on the chloroplast ultrastructure of *Chlorella protothecoides* (Chlorellaceae, Chlorophyceae). **International Journal on Environmental Sciences.** 5(1): 35-41.
43. Kumar S, Gupta R, Kumar G, **Sahoo Dinabandhu, Kuhad RC. 2013.** Bioethanol production from *Gracilaria verrucosa*, a red alga in a biorefinery approach. **Bioresource Technology.** 135: 150-156. (IF – 7.53).
44. Roy Ansuman, **Sahoo Dinabandhu** and Tripathy BC. **2013.** Involvement of Phytochrome A in Suppression of Photomorphogenesis in Rice Seedling Grown in Red Light. **Plant, Cell and Environment.** 36(12):2120-34. (IF – 5.624).
45. **Sahoo Dinabandhu, Elangbam G, Devi, S.S. 2012.** Using algae for carbon dioxide capture and bio-fuel production to combat climate change. **Phykos.** 42 (1): 32-38.
46. Kumar G, **Sahoo Dinabandhu. 2011.** Effect of seaweed liquid extract on growth and yield of *Triticum aestivum* var. Pusa Gold. **Journal of Applied Phycology.** 23:251-255. (IF – 2.9).
47. Chung IK, Beardall J, Mehta, **Sahoo Dinabandhu, Stojkovic, S. 2011.** Using Marine Algae for Carbon Sequestration: a critical appraisal. **Journal of Applied Phycology.** 23:877-886. (IF – 2.9).
48. **Sahoo Dinabandhu. 2011.** Sea Farming: A new model for sustainable livelihood in coastal area. **Geography and You.** 11(67): 42-45.
49. **Sahoo Dinabandhu. 2010.** Algae biofuel will take over *Jatropha* soon. **Biospectrum.** 8(12):74-75.
50. Baweja P, **Sahoo Dinabandhu. 2009.** Regeneration Studies in *Grateloupi filicina* (J.V. Lamouroux) C. Agardh-An Important Carrageenophyte and Edible Seaweed. **Algae.** 24(3):163- 168. (IF – 2.156).
51. **Sahoo Dinabandhu. 2009.** Chilika's fragile ecosystem needs immediate attention. **Environ.** 10(2): 16-19.
52. Baweja P, **Sahoo Dinabandhu, Pilar GJ, Robaina.R. 2009.** Seaweed tissue culture as applied to biotechnology: problems, achievements and prospects. **Phycological Research.** 57:45-58. (IF – 1.342).
53. Nayak S, Prasanna R, Prasanna BM, **Sahoo Dinabandhu. 2008.** Genotypic and phenotypic diversity of *Anabaena* isolates from diverse Rice agro-ecologies in India. **Journal of Basic Microbiology.** 48: 1-13. (IF – 1.760).

54. Yang EC, Kim MS, Geraldino PJ, **Sahoo Dinabandhu**, Shin JA and Boo SM. **2008**. Mitochondrial *cox 1* and plastid *rbcl* genes of *Gracilaria vermiculophylla* (Gracilariaceae, Rhodophyta). **Journal of Applied Phycology**. 20:161-168. (IF – 2.635).
55. Nayak S, Prasanna R, Prasanna BM, **Sahoo Dinabandhu**. **2007**. Analysing diversity among Indian isolates of *Anabaena* (Nostocales, Cyanophyta) using morphological, physiological and biochemical characters. **World Journal of Microbiology and Biotechnology**. 23:1575-1584. (IF – 2.652).
56. **Sahoo Dinabandhu**, Singh S. **2006**. Thallus regeneration studies in *Cystoseira indica* through tissue culture. **Phytomorphology**. 56 (3 & 4):157-160.
57. **Sahoo Dinabandhu**, Baweja P, Kushwah N. **2006**. Developmental studies in *Porphyra vietnamensis*-a high temperature resistant species from Indian coast. **Journal of Applied Phycology**. 18: 279-286. . (IF – 2.9).
58. Kumari Babita, **Sahoo Dinabandhu**, Susella MR. **2006**. *Sargassum tenerrimum*: A morphological study of natural and cultured plants. **Phytotaxonomy**. 6 :135-138
59. **Sahoo Dinabandhu**, Yarish C. **2005**. Seaweed products find varied commercial, medical applications. **Global Aquaculture Advocate**. 8 (4) : 44-45.
60. Sahoo D, Sahu N, **Sahoo Dinabandhu**. **2003**. A critical survey of seaweeds diversity of Chilika Lake, India. **Algae**. 18(1): 1-13. (IF – 2.156).
61. **Sahoo Dinabandhu**, Ohno M. **2003**. Culture of *Kappaphycus alvarezii* in Deep Seawater and Nitrogen enriched medium. **Bulletin of Marine Sciences and Fisheries, Japan**. 22: 89-96
62. **Sahoo Dinabandhu**, Ohno M. Masanori H. **2002**. Laboratory, Field and Deep Seawater culture of *Eucheuma serra*-a high lectin yielding red alga. **Algae**. 17(2): 127-133. (IF – 2.156).
63. Baweja P, **Sahoo Dinabandhu**. **2002**. Structure and reproduction of *Grateloupi filicina* (Halymineniaceae, Rhodophyta) from Indian coast. **Algae**. 17(3): 161-170. (IF – 2.156).
64. **Sahoo Dinabandhu**, Tang X, Yarish C. **2002** .*Porphyra*-the economic seaweed as a new experimental system. **Current Science**. 11 (83): 1313-1316. (IF – 0.756).
65. **Sahoo Dinabandhu**, Ohno M. **2001**. Deep Seawater-New area of research and utilization in 21st century. **Journal of Indian Ocean Studies**. 9 (2): 282-286.
66. **Sahoo Dinabandhu**, Ohno M. **2000**. Rebuilding the ocean floor-Construction of artificial reefs around the Japanese coast. **Current Science**. 78 (3): 228-230. (IF – 0.756).
67. **Sahoo Dinabandhu**. **1998**. Meristoderm in *Cystoseira indica* (Fucales, Phaeophyceae) A structural and functional approach. **Advances in Bioscience**. 17 (2): 99-108.
68. **Sahoo Dinabandhu**, Bhalla M. **1997**. Some economic seaweeds of Indian Coasts. **Journal of Indian Ocean Studies**. 4(3): 255-266.
69. Pasricha S, Vijayaraghavan MR, **Sahoo Dinabandhu** **1997**. Studies on the yield, nature and properties of carrageenan from *Laurencia pedicularoides* Børgs (Rhodophyta). **Seaweed Research and Utilization**. 20 (182): 19-22.
70. **Sahoo Dinabandhu**, Vijayaraghavan MR. **1995**. The Structure and Function of oogonium wall layers in *Cystosiera indica*: A correlative histochemical and ultrastructural study. **Seaweed Research and Utilization**. 17: 203-213.

71. Holst PB, Nielsen SE, Anthoni U, Bisht KS, Christophersen C, Gupta SA, Parmar VS, Nielsen PH, **Sahoo Dinabandhu**, Singh A. 1994. Isethionate in certain red Algae. **Journal of Applied Phycology**. 6: 443-446. (IF – 2.635).
72. **Sahoo Dinabandhu**, Pasricha S, Vijayaraghavan MR. 1991. Attaching organs of *Cystoseira indica*: Structure and Ultrastructure. **Seaweed Research and Utilization**. 14(1): 9-14.
73. **Sahoo Dinabandhu**. 1989. Carposporophyte and Tetrasporophyte development in *Centroceras clavulatum* (C.Agardh) Montagne : A histochemical approach. **Phykos**. 28: 205-211.
74. **Sahoo Dinabandhu**, Vijayaraghavan MR. 1986. Vegetative and reproductive structures of *Centroceras clavulatum* (C.Agardh) Montagne. **Phykos**. 25: 24-28.
75. **Sahoo Dinabandhu**, Jain S. 1986. Development and Histochemistry of Spine in *Centroceras clavulatum* (C.Agardh) Montagne. **Current Science**. 55 (21): 1089-1091. (IF – 0.756).

Book Chapters

1. Ummalyima S.B., Pandey A., Sukumaran R.K., Sahoo Dinabandhu. (2018) Bioremediation by Microalgae: Current and Emerging Trends for Effluents Treatments for Value Addition of Waste Streams. In: Varjani S., Parameswaran B., Kumar S., Khare S. (eds) Biosynthetic Technology and Environmental Challenges. Energy, Environment, and Sustainability. Springer, Singapore
2. Verma, P., Kumar, M., Kumar, D., Mishra, G and Sahoo D. 2017. Algae a potential bioresource for fine chemicals. Enriched Publications, Delhi, India. In: Scope of Phytochemically Unexplored Medicinal Plants. Manuscript accepted. (ISBN No. 978-1-63535-013-5).
3. Sanjukta S, Rai AK, Sahoo Dinabandhu. 2017. Bioactive metabolites in fermented soybean products and their potential health benefits. In : Fermented foods: Technological Interventions
4. II. (ed. Ramesh C. Ray & Didier Montet). CRC Press, Taylor and Francis Group. USA, pp. 97-121.
5. Sahoo Dinabandhu. Baweja P, 2015. General Characteristics of Algae. In: The Algal World (ed. Sahoo Dinabandhu & Seckbach Joseph). Springer Verlag, Netherland. pp. 3-29.
6. Baweja P, Sahoo Dinabandhu. 2015. Classification of Algae. In: The Algal World (ed. Sahoo Dinabandhu & Seckbach Joseph). Springer Verlag, Netherland. pp. 31-55.
7. Arora M, Sahoo Dinabandhu. 2015. Green Algae. In: The Algal World (ed. Sahoo Dinabandhu & Seckbach Joseph). Springer Verlag, Netherland. pp. 91-120.
8. Arora M, Sahoo Dinabandhu. 2015. Growth Forms and Life Histories in Green Algae. In: The Algal World (ed. Sahoo Dinabandhu & Seckbach Joseph). Springer Verlag, Netherland. pp. 121- 175.
9. Verma P, Arun A, Sahoo Dinabandhu. 2015. Brown Algae. In: The Algal World (ed. Sahoo Dinabandhu & Seckbach Joseph). Springer Verlag, Netherland. Springer Verlag, Netherland. pp. 177 - 204.

- 10 Mayanglambam A, Sahoo Dinabandhu. 2015. Red Algae. In: The Algal World (ed. Sahoo Dinabandhu & Seckbach Joseph). Springer Verlag, Netherland. pp. 205 – 234..
- 11 Kumar S, Baweja P, Sahoo Dinabandhu. 2015. Diatoms: Yellow or Golden Brown Algae. In: The Algal World (ed. Sahoo Dinabandhu & Seckbach Joseph). Springer Verlag, Netherland. pp. 235 - 258.
- 12 Sahoo Dinabandhu, Kumar S. 2015. Xanthophyceae, Euglenophyceae and Dinophyceae. In: The Algal World (ed. Sahoo Dinabandhu & Seckbach Joseph). Springer Verlag, Netherland. pp. 259 - 305.
- 13 Kumar S, Sahoo Dinabandhu, Ira A. Levine. 2015. Algae as a source of Biofuel. In: The Algal World (ed. Sahoo Dinabandhu & Seckbach Joseph). Springer Verlag, Netherland. pp. 483 - 500.
- 14 Kumar S, Sahoo Dinabandhu, Ira A. Levine. 2015. Concepts and Techniques for the study of Algae. In: The Algal World (ed. Sahoo Dinabandhu & Seckbach Joseph). Springer Verlag, Netherland. pp. 519 - 553.
- 15 Devi SS, Sahoo Dinabandhu. 2015. Concepts and Techniques for the study of Algae. In: The Algal World (ed. Sahoo Dinabandhu & Seckbach Joseph). Springer Verlag, Netherland. pp. 555-579.
- 16 Sahoo Dinabandhu, Kumar, S, Elangbam, G and Devi, S.S. 2012. Biofuel production from algae through integrated biorefinery. In The Science of Algal Fuels: Phycology, Geology, Biophotonics, Genomics and Nanotechnology (ed. Gordon & Seckbach). Dordrecht, Springer pp 215-230.
- 17 Rocha, A., Sahoo Dinabandhu, Ferrer, T., Quintella, C. And Torres, E. 2012. Biodiesel production from microalgae-A mapping of articles and patent. In The Science of Algal Fuels: Phycology, Geology, Biophotonics, Genomics and Nanotechnology (ed. Gordon & Seckbach). Dordrecht, Springer pp 283-303.
- 18 Ohno, M., Choi, C.G. and Sahoo Dinabandhu 2012. Succession of Seaweeds communities on artificial Reefs and marine ranching in Japan. In Algal Biotechnology and Environment.(ed. Sahoo and Kaushik) I. K. International publishing house Pvt. Ltd., New Delhi India 34-42.
- 19 Kumar, G., Baweja. P and Sahoo Dinabandhu 2012. Seaweeds: A potential source of Biofertilizer. In Algal Biotechnology and Environment (ed. Sahoo and Kaushik). I. K. International publishing house Pvt. Ltd., New Delhi India 43-52.
Kumar, S. and Sahoo Dinabandhu 2012. Seaweeds as a source of Bioethanol. In Algal Biotechnology and Environment. (ed. Sahoo and Kaushik). I. K. International publishing house Pvt. Ltd. New Delhi India 101-111.
- 20 Prasanna R, Nayak S, Suresh A, Kaushik B D and Sahoo Dinabandhu. 2006.Cyanobacterial Secondary Metabolites-Emerging Trends and Prospects.In: Microbes Health and environment (ed. A K Chauhan and A Verma) I.K. International Publishing House Pvt. Ltd, New Delhi. pp 106-118.

- 21 Sahoo Dinabandhu 2005. Biology, Cultivation and Economics of Porphyra spp. In Aquaculture compendium 2005 Edition.CAB International.Wallingford. UK.1-40.
- 22 Sahoo Dinabandhu, Sahu N., Sahoo D. & Baweja P., 2005. Marine algae cultivation: Option for sustainable management of Chilika Lake. In: Aquatic Ecosystems: Conservation, Restoration and Management (ed. T. V. Ramachandran, N. Ahalya and C.R.Murthy) Capital Publishing,New Delhi.pp278-283.
- 23 Sahoo Dinabandhu & Yarish C., 2005. Mariculture of seaweeds and their utilization. In: Algal culturing techniques (ed. Robert A. Anderson) Academic Press, USA pp.219-238.
- 24 Sahoo Dinabandhu 2002. Towards a blue revolution in the sea. In Advances in Marine and Antarctic Science (eds. Sahoo and Pandey). APH publishing corporation, New Delhi, India. pp.1-
- 25 Singh S., Sahoo Dinabandhu & Vijayaraghavan M.R., 2001. Marine Agronomy in the 21st. century. In: Algal Biotechnology (ed. Trivedi P.C.)

International Conference/ Meetings Participated/Attended/Expert member

1. Participated the "First Nobel Prize Series, India 2017" at Gandhinagar, Gujrat during January 9-10, 2017.
2. Participated in 6th Ramalingaswami Conclave in IISER, RLS- Conclave, Pune from January 4 - 6, 2017.
3. Expert Member for TITE Scheme Meeting, SEED, DST at Bansthali Vidyapith, Rajasthan (near Jaipur) during December 16, 2016.
4. Expert Member for the 3rd Review Meeting of DBT's overseas Associateship programme during 29-30 November, 2016 at Gangtok Sikkim.
5. Delivered an invited lecture at Second International Symposium of Freshwater Biodiversity and Human Life organized by Nakdonggang National Institute of Biological Resources (NNIBR), Korea during October 12-13, 2016.
6. Participated in 7th World Renewable Energy Technology Congress & Expo at Convention Centre, Manekshaw Centre, New Delhi during 22-23 August, 2016.
7. Participation in ASEAN Sustainability Summit and Awards at Manila, Philippine during 19-22 July, 2016.
8. Participated in Brainstorming Session-cum- Interactive Meeting on Biotech Initiatives in Mizoram State at Secretariat Conference Hall, New Secretariat Complex, Aizwal during 13-14 June, 2016.
9. Expert Member for Review meeting of the projects under NPCS at JNU New Delhi during 16-17 May, 2016
10. Delivered an invited lecture at 1st International Coastal Biology Congress held at Yantai China from September 26 - 30, 2014.

11. Participated in 7th Asian Pacific Psychological Forum (APPF2014), held at Wuhan, China from September 20 - 24, 2014.
12. Delivered an invited lecture at Indo-German workshop on advanced material for future energy requirements held at Delhi University, Delhi, India 29th November-1st December 2012.
13. Delivered an invited lecture as a special invitee from India in "South China Sea 2012: SCS 2012 Sharing Knowledge, Resources and Technology for a Sustainable South China Sea" held at Kualalampur, Malaysia from October 22-26, 2012.
14. Delivered an invited lecture at Ladakh International Conference on emerging trends on food and health security in cold desert held at DIHAR, Leh, India, September 23-25, 2011.
15. Participated in the International workshop on "Climate Change, seaweed and CO2 sequestration held at Busan, South Korea, February 23-26, 2011.
16. Participated in 4th Algae Biomass Summit held at Phoenix, Arizona, USA, September 27-30, 2010.
17. Participated in September 27-30, 2010 hosted by Planning Commission, Government of India, Institute for Human Development, India held at National Academy of Agricultural Sciences, New Delhi, India, April 14-16, 2010
18. Participated in 5th Summer School in Chemistry (Focus on Food and Environmental Chemistry) held at University of Bahia, Brazil, February 22-25, 2010.
19. Participated in 1st DBT-ISTP Indo-Canadian Symposium on Bioenergy, Bioproducts and Green Engineering held at Mumbai, India, January 18-19, 2010.
20. Participated in 3rd Asian-Link Workshop on Marine Natural Products and Medicinal Plants organized by DAAD held at New Delhi, India, November 23-25, 2009.
21. Successfully completed 2nd phase of International Training in " Marine Management-Good Governance in Practice" organized by Swedish International Development Agency, SIDA held at Hanoi, Vietnam, October 4-10, 2009.
22. Participated in Vth Asian Pacific Phycological Forum held at Wellington, New Zealand, November 10-14, 2008
23. Participated in International Algae Bio Fuel summit held at New Delhi, September 17-19, 2008.
24. Participated in United Nations Framework Convention on Climate change (UNFCCC) held at Nusa Dua, Bali, Indonesia, December 3-14, 2007
25. Convenor, Mini-Symposium session on "Seaweed Cultivation and Utilization" during 19th International Seaweed Symposium held at KOBE, JAPAN March 26-31, 2007.
26. Delivered a special lecture during the First International symposium on "Marine Algae and Global Warming" held at The National Assembly of Korea, Seoul, October 16-19, 2006.
27. Attended, International Conference on "Agriculture for Food, Nutritional Security and Rural Growth" (B. P. Pal Centenary Celebrations) held at India Habitat Centre, New Delhi,

May 25-27, 2006.

28. Participated in Eighth International Phycological Congress held at Durban, South Africa, August 13-19, 2005.
29. Participated in International policy workshop on Bamboo in Fisheries held at National Institute of Oceanography, Goa, September 30-October 1, 2004.
30. Participated in XVIII International Seaweed symposium held at Bergen, Norway, June 20-25, 2004.
31. Participated in International conference and exposition on marine living resources of India for food and medicine held at Chennai, Tamil Nadu, February 27-29, 2004.
32. Participated in 5th Asia-Pacific conference on Algal Biotechnology held at Qingdao, P. R. China, October 18-21, 2003.
33. Participated in 12th Annual PICES meeting held at Seoul, Korea, October 10-18, 2003.
34. Chairman, Algal Biotechnology Session, 7th International Phycological Congress, Thessaloniki, Greece, August 18-25, 2001.
35. Participated in 8th International Conference on Applied Algology, Montecatini Terme, Italy, September 26-October 1, 1999.
36. Participated in 2nd European Phycological Congress, Montecatini, Italy, September 20-26, 1999.
37. Participated in 4th Asia-Pacific conference on Agricultural Biotechnology, Darwin, Australia, July 13-16, 1998.
38. Attended International Symposium on "Trends in Life Sciences" at School of Life Sciences, Jawaharlal Nehru University, New Delhi, India, December 17-19, 1997.
39. Participated in 8th International Symposium on Marine Natural Products held at Tenerife, Canary Islands, Spain, September 10-16, 1995.
40. Participated in International Symposium on perspectives in Bio-Organic Chemistry held at New Delhi, India, December 8-9, 1999.
41. Chairman, Contributed paper session, 5th International Phycological Congress held at Qingdao, China, June 26-July 2, 1994.
42. Chairman, Applied Phycology Session, 14th International Seaweed Symposium held at University of Western Brittany, Brest France, August 16-21, 1992.
43. Chairman, Applied Phycology Session, 4th International Phycological Congress
44. held at Duke University, Durham, North Carolina, USA, August 4-10, 1991.
45. Participated in Vth International Conference on Ecology (INTECOL) held at
46. Yokohama, Japan, August 29-September 3, 1990.
47. Participated in 13th International Seaweed Symposium held at Vancouver, Canada, August 13-18, 1989.
48. Participated in 6th Botanical Conference of Bangladesh Botanical Society held at Chittagong, Bangladesh, January 18-19, 1989.
49. Participated in 3rd International Phycological Congress held at Melbourne, Australia, August 14-20, 1988.
50. Only Indian delegate in 5th Symposium on Antarctic Biology held at Hobart,

51. Tasmania, August 29-September 3, 1988.
52. Organized and presided over a special function of the 2nd Universal Peace
53. Conference by the United Nations held at University of Delhi, 1983.

National Conference/Meetings Participated/Expert member

1. Delivered an oral paper session at National Conference on Status & Conservation of biodiversity in India with special reference to the Himalayas. Oct 4-5.
2. Delivered Invited Lecture at National Seminar on current environmental challenges and possible solution. Held at Ramjas College, Delhi, India 15-16 February 2013.
3. Key Note Speaker in UGC-sponsored National Seminar on New Frontiers in plant science Research for Sustainable Development held at Department of Botany, Pranath Autonomous College, Odisha, February 25-26, 2012.
4. Delivered Invited Lecture in 99th Indian Science Congress held at Bhubaneswar, India, January 3-7, 2012.
5. Delivered Special Lecture on Inspiring Agribusiness startups-Entrepreneurship and Innovation organized by ICRISAT, Hyderabad, October 12, 2011.
6. Delivered Special Lecture at 7th Jammu and Kashmir Science Congress, held at University of Jammu, October 13-15, 2011.
7. Delivered Special Lecture as a resource person in NTPC Carbon capture and storage workshop organized by NTPC Energy Technology Research Alliance, India, September 27, 2011.
8. Participated in CII-NTPC Energy Technology Research Alliance (NETRA) Round Table session on Power Sector: Technologies for Carbon Mitigation held at New Delhi, India, November 30, 2009.
9. Attended, Green Biofuels: Technology and Investment Opportunities, Organized by DBT, Government of India and Confederation of Indian Industry (CII) held at New Delhi, November 19, 2009.
10. Visited Vivekanand Institute of Biotechnology, Nimpith, West Bengal as an Expert committee team for the DST Project, Government of India, September 22-23, 2009.
11. Attended, Tri-Sector Partnership in Practice (TSP): Government, Business and NGOS uniting to help rural India face globalization and Climate Change held at New Delhi, India, November 4, 2009.
12. Round Table meeting on Carbon Capture and Sequestration organized by Department of Science & Technology, Government of India at Bhopal, Madhya Pradesh January 23-24, 2009.
13. Participated in "National Conference on Current Trends in Algal Biodiversity and Biotechnology" held at University of Madras, Chennai from Feb. 7-8, 2008.
14. Participated in National Seminar on "Sunderbans Ecosystem: prospects, threats and Management" organized by Maulana Adul Kalam Azad Institute of Asian studies, Calcutta held at Sunderbans, West Bengal from January 5-7, 2008.
15. Chief Guest and delivered Inaugural Lecture during 31st Orissa Botanical Society Meeting held at Bhubaneswar, Orissa from February 25-26, 2007.
16. Delivered Valedictory Address during the Vacation Training programme on Bioresources for School Children (Sponsored by National Bioresources Development Board, Department of Biotechnology, Government of India, New Delhi) held at Thiagarajar College (Autonomous)

Madurai, Tamil Nadu on June 14, 2006.

17. Delivered Special Address during the Vacation Training programme on Bioresources for School Children (Sponsored by National Bioresources Development Board, Department of Biotechnology, Government of India, New Delhi) held at Loyola College, Chennai on May 31, 2006.
18. Delivered Valedictory Address during the Vacation Training programme on Bioresources for School Children (Sponsored by National Bioresources Development Board, Department of Biotechnology, Government of India, New Delhi) held at St. John's College, Palayamkottai, Tamil Nadu on May 29, 2006.
19. Participated in the International Conference on Human Centered Sustainable Development Paradigm (Organized on the occasion of Prof. M. S. Swaminathan's 80th Birthday) at Chennai, Tamil Nadu, from August 7-10, 2005.
20. Delivered Special Address during "Investors' meet on Biotechnology" jointly organized by Department of Science and Technology, Govt of Orissa, Bhubaneswar and BCIL, New Delhi held at Bhubaneswar, Orissa on July 4, 2005.
21. Co-Chairman, Technical Session National Seminar on "Untapped Potential of seaweed resources of Tamil Nadu and Scope for gainful employment of Self Help women groups of the coastal poor in seaweed farming" held at Central Marine Fisheries Institute, Mandapam Camp, Tamil Nadu from February 21-23, 2005.
22. Chairman, Marine Biotech session in workshop on "Biotech potential in Orissa". February 11-13, 2005.
23. Participated in Asian wetland Symposium 2005 on Innovative approaches to sustainable livelihood, Bhubaneswar. February 6-9, 2005.
24. Delivered Plenary Lecture at International Conference on Conservation, Restoration and Management of Lakes and Coastal Wetlands (Lake 2004) held at Bhubaneswar, Orissa from December 9-13, 2004.
25. Delivered Plenary Lecture at International Seminar on "Ecotechnology for Sustainable Development (Ecotech 2004)" held at Chennai, Tamil Nadu from October 4-6, 2004.
26. Attended, "Conference on Health and Environment" organized by Centre for Science and Environment, Delhi held at India Habitat Centre, New Delhi from March 24-25, 2006.
27. Delivered Plenary Lecture at National Seminar on "Sustainability of Seafood Production: Reflections, Alternatives and Environmental Control" held at National Institute of Oceanography, Goa, February 23-24, 2006.
28. Delivered Plenary Lecture and Chaired a session at National Seminar on Environmental Biotechnology (Environtech-2003) held at Chennai from December 29-30, 2003.
29. Participated in Round Table meeting on "Seaweed Cultivation and Utilization" organized by National Academy of Agricultural Sciences, New Delhi on September 12, 2003.
30. Participated in International conference on Trends in cellular and molecular biology held at Jawaharlal Nehru University, New Delhi, India March 6-8, 2003.
31. Participated in Indo-US workshop and National congress on "Molecular biology and Biotechnological symbiosis" held at Jawaharlal Nehru University, New Delhi, India. March 23-28, 2003.
32. Chairman, Technical paper session in National symposium on seaweeds of India: Biodiversity and Biotechnology, Bhavnagar, Gujarat, India September 12-14, 2000.

33. Participated in National symposium on "Phycology in the new millennium", University of Madras, Chennai, India, March 1-3, 2000.
34. Participated in 7th Annual Symposium of Bio-Energy Society of India held at New Delhi, July 12-13, 1991.
35. Participated in workshop on Commercialization of Biotechnology-Role of BCIL Organized by Biotech Consortium India Limited held at New Delhi, May 14, 1991.
36. Attended 9th All India Botanical Conference held at Madras, India. December 28-30, 1986.

International Conference/Symposia Organized

- I. Convener, International conference on Environment and Human Health held at Indian National Science Academy, New Delhi, India, November 28-29, 2012.
- II. Convenor, International Algal Summit-held at TERI University, New Delhi, India, February 21-22, 2012.
- III. Organized a session on Algal Aquaculture: Food, Feed, Fuel-Mitigation of Localized Acidification in the Vth Global Oceans Conference held at UNESCO, Paris, France, May 3-7, 2010.
- IV. Convenor, 7th Asia-Pacific Conference on Algal Biotechnology, Algal Biotechnology in the Asia-Pacific Region: New Challenges and Opportunities for the 21st Century, held at University of Delhi, Delhi, India, December 1-4, 2009.
- V. Convenor, International Conference on Applied Phycology. "Algae in Biotechnology and Environment" held at University of Delhi, Delhi, India, February 14-15, 2006.
- VI. Organizing Secretary, International Seminar on "Indian Ocean in 21st Century: Linkage and Networking" held at Vigyan Bhavan, New Delhi, February 9-10, 1998.

National Conference/Symposia Organized

- I. Chairman, Global Sustainable Development Summit Towards United Nation Sustainable Development Goal in Guwahati, December 5-6, 2016.
- II. Chairman, National Stakeholder Meet on " Conservation and Sustainable Development of North East Himalayan Region" on August 18-19, 2016.
- III. Chairman, Entrepreneurship Development Programme on Bamboo for Employment Generation on July 12- August 1, 2016.
- IV. Chairman, National Workshop on "Sustainable Utilisation of Microbial and Botanicals Products on Promoting Organic Farming" on 10th to 11th July 2016.
- V. Chairman, 1st Himalayan Conclave held in New Delhi, September 9-10, 2015.
- VI. Chairman, National Workshop on Conservation and Sustainable Management of Sangai held in Imphal, Manipur, April 16-17, 2015.
- VII. Organized Hands on Training Program on rearing and post cocoon technology in composite sericulture during 26-27, March 2015 at IBSD, Imphal.
- VIII. Chairman, 1st National Bioresources and Sustainable Development Summit. Held at Imphal,

Manipur, India 19-20 February 2015.

- IX. Convenor, Brain Storming Session on Management and Sustainable Development of Dal Lake through Scientific Intervention and Stakeholders Participation Held at University of Kashmir, Srinagar, J & K, India, November 30, 2013
- X. Organized National Workshop on marine algae cultivation and utilization “Employment potential and business opportunities in Coastal States and Union Territories of India” at Bhubaneswar, Odisha, India. February 27-28, 2012.
- XI. Organized Training Programme on large scale seaweeds cultivation and processing for livelihood generation in Coastal States and Union Territories of India at Mandapam, Tamil Nadu, India, July 15-17, 2011.
- XII. Organized First National Workshop and Training Programme on Porphyra cultivation and processing in India at Shrivardhan, Konkan Coast, Maharashtra, India, August 8-10, 2009.
- XIII. Organized, First National Training Programme cum Workshop on cultivation of Gracilaria species at Chilika Lake, Orissa, India. January 5-7, 2009.
- XIV. Member, Organizing Committee, National Symposium on “Seaweeds of India: Biodiversity and Biotechnology”, CSMCRI, Bhavnagar, Gujarat, September 12-14, 2000.
- XV. Member, Organizing Committee, National Symposium on “Phycology in the new Millennium”, University of Madras, Chennai, March 1-3, 2000.
- XVI. Member, Organizing Committee, National Symposium on “Recent Trends in Marine Algal Research in India” Annamalai University, Tamil Nadu, December 27-29, 1999.
- XVII. Member, Organizing Committee, National Symposium on “Toxicology and Environmental Health”, held at Jamia Hamdard, New Delhi, November 20-21, 1998.
- XVIII. Member Organizing Committee, National Symposium on “Photobiology and Plant Productivity” held at School of Life Sciences, Jawaharlal Nehru University New Delhi, May 8-9, 1998.
- XIX. Organizing Secretary, National Symposium on “Sustainable Aquaculture” held at Department of Botany, University of Delhi, February 20-21, 1998.

Membership in National/State Agencies:

1. **Member**, DBT - Technical Expert Committee (TEC) on Bioresources & Secondary Agriculture, Department of Biotechnology, Govt. of India 2018-2021
2. **Member**, DBT -NER Technical Expert Committee (TEC) Committee for Medicinal & Aromatic plants, Bioresources & Secondary Agriculture and Silk Biotechnology, Department of Biotechnology, Govt. of India 2018-2021
3. **Member**, DBT -NER Scientific and Technical Appraisal and Advisory Group (STAG) Committee for Energy, Environment and Bioresources. Department of Biotechnology, Govt. of India 2018-2021

4. Member, Board of studies, Research, Department of Botany, University of Delhi
5. **Member**, Task Force, Value-added Biomass & Products from Natural Resources, Department of Biotechnology, Govt. of India 2018-2021.
6. **Member**, PAC, Plant Science, SERB, Department of Science & Technology, Government of India 2015-2018.
7. **Member**, Research Advisory Committee (RAC) Shriram Institute of Industrial Research, New Delhi 2017-2020.
8. **Member, Task Force** Department of Science & Technology, Government of India, New Delhi. **2006-08** and **2013-16**.
9. **Member**, Research and Recognition committee in Botany, University of Pune, Pune, 2006-08.
10. **Expert Committee member** for Tsunami Rehabilitation Programme organized by Ministry of Agriculture on 21st January, 2005.
11. **Appointed Nodal Officer** by Department of Fisheries Government of Orissa for seaweed cultivation wef February 2005.
12. **Member**, Advisory Committee on Biotechnology Government of Orissa w.e.f. May 2005.
13. **Chairman Advisory Committee**, National Marine Biotechnology Park, Government of Orissa w.e.f. June 2005.

Membership in International Agencies/Bodies:

1. **Member**, Asian Network for using Algae as a CO₂ Sink, w.e.f. 2006-present.
2. **Member, Executive council**, Asia-Pacific Society for Applied Phycology 2009-2012.
3. **Member**, International Organizing Committee (IOC) for the 7th, 8th, 9th and 10th International Phycological Congress.

Total Publication Profile

Total	166
Research/Review papers	116
Books	13
Patents	6 (Filed)
Documentary films	3
Training manual	4
Popular Articles. Proceedings and Edited work	24

Patents

- I. Developed “**World’s first carbon capture vehicle**” in 2010 for which the following patent applications have been filed:
- II. **Sahoo Dinabandhu** 2010. Indian patent filed for “**Carbon Dioxide Capture Box**” vide Application No.1395/DEL/2010.

- III. **Sahoo Dinabandhu** 2011. PCT application filed vide International Application No: PCT/IN2011/000389, Publication number WO2011/158251, Publication Date 22/12/2011, International Filing Date 10/06/2011.
- IV. **Sahoo Dinabandhu** 2013. US patent application filed vide US Patent Application No:13/704,176.
- V. **Sahoo Dinabandhu** 2013. European patent application filed vide European Patent Application No: 11736172.5.
- VI. Singh SP, Kumar J, Rai AK, **Sahoo Dinabandhu**. 2019 A method for the production of gamma-aminobutyrate (GABA) using a novel glutamate decarboxylase (GAD) gene, and uses thereof. Patent File No. 201911030305.
- VII. Singh SP, Nitish Sharma, Rai AK, **Sahoo Dinabandhu**. 2019. A process for efficient retting and bioscouring of plant biomass employing a novel alkaline tolerant pectate lyase. (Indian). Patent File No. 201911030029. Inventors:

Documentary Film

- I. **Sahoo Dinabandhu** and Roy Choudhary B. 2009. **Chilika: The Untold Story** (A 25 minutes documentary film about Chilika lake and the scientific intervention to provide livelihood). This was the opening film at the 4th National Film Festival on Art & Artists held at Bhubaneswar. The film was also screened in USA, Brazil, Vietnam and a few other countries.
- II. **Sahoo Dinabandhu** 2016. Cherry Blossom –Sakura For peace, prosperity and Sustainable Development
- III. **Sahoo Dinabandhu**. 2018. Biodiversity for everyone's life

Professional Societies Memberships

- (i) International Phycological Society.
- (ii) International Seaweed Association.
- (iii) Phycological Society of India (Life Member).
- (iv) Seaweed Research and Utilization Association (Life Member).
- (v) Indian Botanical Society (Life Member).
- (vi) Society of Biosciences (Life Member).
- (vii) Delhi University Botanical Society (Life Member).
- (viii) International Society of Plant Morphologists (Life Member).

Proceedings, Popular Articles and Edited works

- (i) **Sahoo Dinabandhu** and Dhawan, V. 2012. International Algal Summit “Algae for Sustainable Development” February 21-22, 2012, New Delhi, India. Abstract Book.
- (ii) **Sahoo Dinabandhu 2009**. 7th Asia-Pacific Conference on Algal Biotechnology “Algal Biotechnology in the Asia-Pacific Region: New Challenges and Opportunities for the 21st Century, December 1-4, 2009, University of Delhi, India. Abstract Book.
- (iii) **Sahoo Dinabandhu. 2006**. International Conference on Applied Phycology. “Algae in Biotechnology and Environment” held at University of Delhi, Delhi, India, February 14-15, 2006. Abstract Book.
- (iv) **Sahoo Dinabandhu 2000**. Mariculture of *Eucheumoids* in Indian Coast-Prospects and problems. (Abstract, National symposium on Phycology in the new millennium, March 1-3, 2000, University of Madras, Chennai).
- (v) **Sahoo Dinabandhu 2000**. Tissue culture studies of some tropical seaweeds. (Abstract, National symposium on seaweeds of India: Biodiversity and Biotechnology. September 12-

14, 2000, Bhavnagar, Gujarat). Sahoo Dinabandhu, Member editorial Board "The Botanica" vol.35, 36 and 37.

- (vi) **Sahoo Dinabandhu** & Singh S. 1999. Tissue culture studies in *Cystoseira indica*. (Abstract, 2nd European Phycological Congress, September 20-26, 1999 Italy).
- (vii) Sahoo Dinabandhu & Tayal S. 1999. Regeneration studies in *Gracilaria blodgettii*. (Abstract, 8th International Conference on Applied Algology, September 26-October 1, 1999, Italy).
- (viii) **Sahoo Dinabandhu 1998**. Seaweeds cultivation and utilization: New opportunities for fishermen and indigencies at International Seminar on Indian Ocean in the 21st Century: Linkages and Networking.
- (ix) Singh S., Aggarwal A., Malik P. & **Sahoo Dinabandhu 1998**. Algal Flora of Antarctica and Antarctic Ocean at National Symposium on Sustainable Aquaculture.
- (x) Johri A., Tayal S. & **Sahoo Dinabandhu 1998**. *Dunaliella*: A rich source of β -carotene at National Symposium on Sustainable Aquaculture.
- (xi) Koul M., Sharma S. & **Sahoo Dinabandhu 1998**. Seaweeds Cultivation in Indian Coast at National Symposium on Sustainable Aquaculture.
- (xii) **Sahoo Dinabandhu 1997**. Farming the Ocean. Express Pharma Pulse.
- (xiii) **Sahoo Dinabandhu 1995**. Isethionate: A new compound from *Hypnea musciformis* at 8th International Symposium on Marine Natural products.
- (xiv) **Sahoo Dinabandhu 1992**. Cultivation and Utilization of *Gracilaria* sp. from Chilika Lake, Orissa (11th International Seaweed Symposium).
- (xv) **Sahoo Dinabandhu**, Pasricha, S. & Vijayaraghavan, M.R.1991. *Gigartina chamissoi* an important carrageenophyte from peruvian coast (National Symposium on marine Algae-Current Status and Emerging Trends. Andhra University, Andhra Pradesh.
- (xvi) **Sahoo Dinabandhu 1991**. Biomass production through seaweeds cultivation (7th Annual Symposium, Bio-Energy Society of India).
- (xvii) **Sahoo Dinabandhu 1991**. Biology of *Cystoseira indica*: A potential phycocolloids from Indian coast (7th International Phycological Congress).
- (xviii) **Sahoo Dinabandhu 1990**. Ecological changes in the frozen continent: Antarctica (5th International Conference on Ecology {INTECOL}).
- (xix) **Sahoo Dinabandhu 1989**. Biota of the frozen continent-Antarctica (6th National Botanical Conference of Bangladesh Botanical Society).
- (xx) **Sahoo Dinabandhu 1989**. Oogonial release in *Cystosiera indica* (Cystoseiraceae, Fucales). (13th International Seaweed Symposium).
- (xxi) **Sahoo Dinabandhu 1989**. Ozone depletion will cause global climate warming. The Times of India (June 1, 1989).
- (xxii) **Sahoo Dinabandhu 1989**. Life under ozone hole. The Botanica. Vol.39.
- (xxiii) **Sahoo Dinabandhu 1988**. Reproductive Biology of *Centroceras clavulatum*: A histochemical appraisal. (3rd International Phycological Congress).
- (xxiv) **Sahoo Dinabandhu 1987**. Proceedings of a seminar on "Research and Educational Priorities for Environmental Management in India".

Training Manuals

1. Sahoo Dinabandhu 2011. Training manual manual on cultivation of *Kappaphycus* sp. Department of Botany, University of Delhi, Delhi. India .1-8pp.
2. Sahoo Dinabandhu 2011. Training manual manual on cultivation of *Sargassum* sp. Department of Botany, University of Delhi, Delhi. India .1-8pp.
3. Sahoo Dinabandhu 2009. Training manual manual on cultivation of *Porphyra* sp. Department of Botany, University of Delhi, Delhi. India .1-8pp.
4. Sahoo Dinabandhu 2009. Training manual manual on cultivation of *Gracilaria* sp. Department of Botany, University of Delhi, Delhi. India .1-8pp.

Note: The above training manuals have been translated into various local languages.

Other Details

PRESENTLY INTERESTED IN APPLICATION OF SCIENCE AND TECHNOLOGY FOR SOCIETAL BENEFIT.

Professor Dinabandhu Sahoo - A Glimpse

Dr. Dinabandhu Sahoo is a Professor, Scientist, strong advocate of youth empowerment, environmentalist, inventor and innovator, who has been striving ceaselessly towards improving the quality of lives of people living in coastal and rural India through application of Science & Technology at the grass root level. Through his relentless efforts, for more than three decades now, he has contributed immensely to the socio-economic empowerment of the people and protection of the environment. This has earned him well-deserved accolade from around the world. Prof. Sahoo has been championing the causes of Sustainable Development. He was the First Indian student to visit Antarctica in 1987 during the 7th Indian Scientific Expedition to Antarctica where he hoisted the Indian flag and with other members, laid the foundation for India's permanent station "Maitri" in Antarctica which was a landmark in the history of Indian Antarctic Science. By the time he was 27, he travelled all the seven continents and five oceans in a record time of just 18 months. Subsequently, he made two trips to Arctic. Prof. Sahoo stepped out of his laboratory into the real world and trained villagers in various coastal states of India for seaweeds cultivation and utilization thus sowing the seeds of a "Blue Revolution". His inspiring story "Teach a Man to Fish" has been published in the best-selling book "*I have a Dream*", which has been translated into several Indian languages.

Prof. Sahoo has been tirelessly working in devising various sustainable development models and propagating sustainable practices in water harvesting, soil management, bioresources utilization and biodiversity conservation in the North East India. He was instrumental in conceptualizing and organizing **India's First Cherry Blossom Festival** since **2016**, which has been drawing lakhs of people from different parts of the world. Prof. Sahoo has established a state of the art Orchidarium at Shillong which is singular of its kind in the country attracting a large number of visitors. He was part of the scientific delegation and gave a presentation before Hon'ble Prime Minister of India on the 19th August 2015 at New Delhi regarding Sustainable Development of North East. Delivered a **TEDx Talk** at IIM Shillong and a talk on Global Warming in Korean Parliament. He has published several research papers, books, received several Awards and elected as Fellow of Science Academies in India. He was conferred D.Sc (*Honoris Causa*) in recognition of his outstanding contribution in the field of application of Science and Technology.

A New Ginger species *Caulokaempferia dinabandhuensis* is being named after him.

An Orchid *Papilionanda* Dinabandhu Sahoo has been registered in UK in his name.

He has visited as many as 38 countries which include more than 80 Institutions.

Countries visited: Antarctica, Arctic (2 times), Brazil, China (3 times), Japan (8 times), Korea (4 times) Australia (3 times), USA (6 times), Spain & Canada (2 times), France (2 times), England, Switzerland, Peru, Portugal, Thailand, Sri Lanka, Germany, Austria, Italy, Mauritius, Netherland, Hong Kong, Singapore, Bangladesh, Malaysia (3 times), Greece, Turkey, U.A.E., Norway, Sweden, Finland, Denmark, South Africa, Indonesia, New Zealand, Philippines (2 times), Vietnam, etc

Professor Dinabandhu Sahoo Ph.D, D.Sc(Honoris Causa)

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Adjunct Professor, Institute of Life Sciences, Bhubaneswar, Odisha

Prof .Dinabandhu Sahoo

(Signature of Faculty Member
of Head of the Department)

(Signature & Stamp)