

CURRICULUM VITAE



- Name:** SUBHAS CHANDRA SANTRA
- Designation & Profession:** Professor in Environmental Science,
Teaching and Research,
Department of Environmental Science, University of Kalyani
Coordinator, ENVIS Centre on Environmental Biotechnology (MoEF, Govt. of India Sponsored)
- Date of Birth:** 19th December, 1953
- Educational Qualifications:** M.Sc. & Ph.D. in Botany (University of Calcutta),
PRS (Sc.) University of Calcutta.
- Area of Specialization:** Environmental Biology, Environmental Biotechnology, Microbiology, Ecology, Limnology, Phycology, Bioremediation and Toxicology.
- Teaching & Research:**
- Sept, 1973- March, 1985: – Lecture in Govt. College, W.B.
 - March, 1985- July, 1998: - Reader in Kalyani University
 - July, 1998 – Till date:- Professor in Kalyani University
- Honours/ Awards/ Nomination/ Fellow:**
- Premchand Roychand Fellowship (University of Calcutta), 1982
 - Austrian Govt. Fellowship, 1985.
 - DAD Fellowship, 1990
 - IVP Fellowship, USA, 1993
 - DST visiting Fellowship, 1996
 - UGC visiting guest faculty, 2005
 - Fellow of Indian Biological Association.
 - Vice president & Fellow, W.B. Academy of Science & Technology,
 - J.C.Sangupta Endowment lecture, W.B. Academy of Science & Technology,
 - Coordinator, ENVIS Centre on Environmental Biotechnology, supported by MoEF, Govt. of India Since 2002.
- Key Experience:**
- Teaching and Research experience - 40 years
 - Acting as Coordinator of ENVIS Centre – 10 years
 - Acted as Head of the Department – 5times
 - Acted as Coordinator of refresher course – 4 times
 - Acted as Vice President of West Bengal Academy of Science & Technology – last 4years
- Research supervision:**
- **57** students awarded and **2** student submitted Ph.D. on Environmental Science and **5** students working on various projects.
 - Over **50** students completed M. Phil. dissertation on various aspects during 1991 – 1997 and 2005-2008 on Environmental Science.
- Research projects**
- **18** research project Completed
 - **2** project ongoing
- (Funded by various agencies like UGC, DST, MoEF, Dept. of Forest, IUC-DAE, ICFRE, Dept. of Non. Conv. Energy, WBPCB, Rajib Gandhi Technology Mission , Dept of Env, W.B. etc)

Publication	<ul style="list-style-type: none"> • Over 200 Research paper in referred journals (<i>Annex</i>) • 18 No. of Text and reference books (<i>Annex</i>) • Over 82 Conference/seminar articles (<i>Annex</i>) • Over 40 EIA reports (<i>Annex</i>)
Editor of Journals	<ul style="list-style-type: none"> • Associate Editor, International Journal of Environmental Science & Technology, Terhan, Iran, pISSN-17351472, eISSN -17352630, IF- 3.157, h-index -23, IC value -19.26.
Reviewer	<ul style="list-style-type: none"> • Regular Reviewer of more than 35 Journals (<i>Annex</i>)
Membership of Scientific & Institutional Bodies	<p><i>Life member:</i></p> <ul style="list-style-type: none"> • Indian Science Congress Association. • Indian Biological Association. • National Botanical society. • Indian Aerobiological Society. • Scavenger & Phykos
Expert member	<p>Acting as member of UGC Expert Committee, MoEF expert committee, State Biodiversity Board, W.B. State Pollution Control Board, Central Pollution Control Board, Member of the State Environment Appraisal Committee (nominated by MoEF, Govt. of India)</p> <p>Examiner, Moderator & Reviewer of different Universities of India & outside (PG & Ph.D. Programme).</p>
Consultancy service	<p>Consultancy service (EIA) and report preparation over 40 various developmental projects all over the India on behalf of the University since 1996 & deposited over Rs. 20 lakhs in University (No payment received as consultant)</p>
Travel Abroad	<p>Visited various laboratories in Britain, France, Sweden, Germany, USA, Bangladesh, .Australia, Taiwan, China on assignment</p>
Key Qualification:	<p>Teaching - Faculty member for the post-graduate course on Environmental Science, Botany, Biochemistry, Biophysics, Biotechnology, Microbiology and Business Administration, KU.</p> <p>Research –</p> <ul style="list-style-type: none"> •1972 – 1978: Worked on various aspects of fresh water phycology, Limnology in Sub-Himalayan region (including Taxonomy of Blue Greens). •1978 – 1985: Worked on river phycology and marine algae •1985 – 1992: Worked on Aerophycology, BGA in rice field system and ecotoxicological assessment using BGA. •1992 – 1997: Investigation on various aspects of Bio-monitoring of Environmental Quality & EIA. •1997 - Till date: Arsenic problems in W. B., Toxicological aspects, Algal biotechnology and Mangrove ecology, Bioremediation, Bioprospecting, Phyllosphere microorganisms •Specialized studies on Arsenic problems in West Bengal: Biological aspects of arsenic removal from contaminated water; Arsenic flow in Ecosystem, Dietary influence of Arsenicosis, Greenhouse gas emission mitigation from rice ecosystem. • Citation indices of in Google Scholar(10.8.2013):- Citation – 694; h-index – 15; i10-index -26 • Indexing of publications (Scopus) (10.8.2013): h index -11; Citation -307 • Research GATE Score (10.8.2013): RG Score -27.37; Impact Points - 68.19; Citations- 31; Publication views- 3,312 ; Total full-text downloads- 1,186.

PUBLICATIONS:

Annexure

A. Research papers:

1. Zygnemataceae of Eastern Himalayas I: Spirogyra, **S. C. Santra** and T. K. Adhya, 1973, Bull. Bot. Surv. Ind., 15 (3 & 4), 281-282. ISSN: 0006-8128
2. Zygnemataceae of Eastern Himalayas II: Spirogyra Link, **S. C. Santra** and T. K. Adhya, 1976, Bull. Bot. Soc. Bengal, 30, 47-49. ISSN: 0368-1068
3. Vancheriaceae of Eastern Himalayas (India), **S. C. Santra** and T. K. Adhya, 1976, Nova Hedwigia, XXVII, 655-659. ISSN: 0029-5035
4. Effect of polyene antibiotic. A-435 on micro morphology of filamentous fungi, **S. C. Santra** and A. L. Chandra, 1976, Hindusthan Anti. Bull., 18 (3 & 4), 103-105.
5. Sirocladium himalayaensis- A new species from India, **S. C. Santra** and T. K. Adhya, 1977, Phycos, 16 (1&2), 65-68. ISSN: 0554-1182
6. *Draparnaldiopsis indica* Bhradwaa- A new record from West Bengal, T. K. Adhya and **S. C. Santra**, 1977, Sci. and Cult., 43, 399. ISSN: 0950-5431
7. Shifting cultivation, in current Trends in Indian Environment (Ed. Desh Bandhu), **S. C. Santra**, 1977, Today and Tomorrow Publ. New Delhi, 135-140.
8. Wild life conservation - Legal and Institutional Arrangement, in Managing the Environment, **S. C. Santra**, 1978, Indian Environment Society, New Delhi, 143-148.
9. Environmental Pollution, **S. C. Santra**, 1979, Proceedings National Symposium on Land and Water Management in Indus Basin (India), Vol. II, Ludhiana, India, 619-623.
10. Cytological effects of polyene antibiotic A-435, **S. C. Santra** and A. L. Chanda, 1979, Microbial. Bull., 3, 18. **I.F. (3.9)**
11. Development of Tibetan Plant Medicine, S. Lama, **S. C. Santra** and A. L. Chanda, 1979, Sci. and Cult., 45 (7), 262-265. ISSN: 0950-5431
12. Ecological studies on *Bidens pilosa* L.: Effect of light, temperature, salt and different extracts on seed germination and seedling growth, **S. C. Santra**, T. K. Adhya and D. K. Desarkar, 1981, Tropical Ecology, 22 (2), 162-169. ISSN: 05643295 (I.F. 1.4)
13. Indoor airborne fungal spore flora of Calcutta, West Bengal, **S. C. Santra** and S. Chanda, 1981, Proc. Nat. Con. Environmental Biopollution, 45-48. ISSN: 1439-0434
14. A new leaf spot disease of lemon grass, **S. C. Santra**, 1991, Phytopath, 34 (4), 525. ISSN: 0367-973X
15. Chemical and biological studies of polyenes- A review Trans., **S. C. Santra** and A. L. Chandra, 1981, Transaction Bose Res. Inst., 44 (3) 65-73. ISSN: 00067903
16. Corticolous lichens on Mango tree (*Mangifera indica* L.) of West Bengal, M. Bhowmik, T. K. Adhya and **S. C. Santra**, N. V. M. Patrika, 16 (1-2), 43 - 44.
17. Contribution to the Cyanophyceae of Murshidabad, T. K. Pal and **S. C. Santra**, 1982, Phycos., 21, 150-152. ISSN: 0554-1182
18. Diatoms of Senchal Lake, Darjeeling, West Bengal, P. R. Das and **S. C. Santra**, 1982, Phycos., 21, 99. ISSN: 0554-1182
19. Microbial Pollution, **S.C. Santra**, 1982, IGA Review, 7,101-104.
20. Biochemical localisation of starch bodies around infected region in coast infected potato plants, **S. C. Santra**, 1983, Ind. Phytopath., 36 (2), 335-356. ISSN: 0367-973X
21. Bryophytic flora of Sikkim: *Calobrium blumi* Nees - A new record from the Sikkim Himalayas, **S. C. Santra**, 1983, Sci. And Cult., 49, 57-58. ISSN: 0950-5431
22. Polyene induced morphological changes in filamentous fungi, **S. C. Santra** and A. L. Chandra, 1983, J. Ind. Microbial. Soc., 139-142. ISSN: 0046-8991

23. Application of Scanning Electron Microscope (SEM) technique in the study of oral microflora of man in tropics, R. Sen and **S. C. Santra**, 1984, Proc. Intl. Symp. on Electron Microscopy, Singapore, 397-398.
24. Traffic Noise level in Calcutta, in seminar on Calcutta beyond 2000 A.D., B. Roy, **S. C. Santra**, S. Chanda and B.Mitra, 1984, Sci. and Cult., 50, 62-64. ISSN: 0950-5431
25. Role of Microbes in Air Pollution, **S. C. Santra**, 1984, Newsletter, EPCO, Bhopal, India, 3, 1.
26. New additions to algal flora of Murshidabad, West Bengal, T. K. Pal and **S. C. Santra**, 1984, Phykos, 23 (1&2), 139-141. ISSN: 0031-8892
27. Algal flora of Sikkim Himalayas I.A. Contribution to our knowledge of blue-green algae of North East Sikkim (India) **S. C. Santra**, 1984, J. Econ. Tax. Bot. 5 (5), 1209-1219. ISSN: 2050-9768.
28. Studies on the effect of polluted environment on plants in the industrial wasteland of southern West Bengal, India, I: Anatomical changes, A. K. Sahu and **S. C. Santra**, 1985, Res. J. Plant and Environment, 2(1): 39-41. ISSN: 0970-3845
29. Blue-green algal flora of 24 Paraganas, West Bengal (India) , H. Maity and **S. C. Santra**, 1985, Phykos, 24, 46-51. (ISSN: 0031-8892)
30. A note on *Enteromorpha tubulosa* in brakish mixed sewage feed fisheries from Sunderban, West Bengal, K. R. Naskar and **S. C. Santra**, 1985, J. Indian Soc. Coastal Agric. Res. 5 (2), 471-472.
31. Algal flora of Midnapore, West Bengal (India), U. Pal and **S. C. Santra**, 1985, Phykos, 24, 12-17. (ISSN: 0031-8892)
32. Phytological studies of polyene antibiotic A-435, **S. C. Santra** and A. L. Chandra, 1985, Ind. J. Mycol. Res. 23 (2), 69-72. ISSN: 0953-7562
33. Floristic composition of industrial Wasteland in Southern Bengal , India, A. K. Sahu and **S. C. Santra**, 1985, J. Econ. Tax. Bot., 8 (2), 301-306. ISSN: 2050-9768
34. Leaf inhabiting blue green algal flora of West Bengal, U. Pal and **S. C. Santra**, 1986, Ind. Journal of Botany, 9 (2), 176-176. ISSN: 1756-1051
35. Studies on *Enteromorpha tubulosa* in brakish mixed sewage fed fisheries from Sunderbans, West Bengal, K. R. Naskar and **S. C. Santra**, 1986, Sci. and Cult. 32 (6), 210. ISSN: 0950-5431
36. Algal flora of Murshidabad district, West Bengal, I-A survey from Berhampore and adjoining areas, T. K. Pal, T. K. Adhya and **S. C. Santra**, 1986, Bull. Bot. Soc. Bengal, 40, 30-43. ISSN: 0037-8941
37. Importance of Phytoplankton study in the Assessment of water quality - a case study from Bhagirathi - Hooghly river basin, U. C. Pal, G. Bandopadhyaya and **S. C. Santra**, 1986, Proceedings, All India Seminar on Water Quality in and around Urban ecosystems and their management (Eds. K. S. Unni.), 1-4.
38. Air pollution, Plants and Bio-monitoring of air pollutants, **S. C. Santra**, 1987, Intra Science, 2 (4), 107-116.
39. Some new records of Charophytes from West Bengal, U. C. Pal and **S. C. Santra**, 1987, Indian Biol., XIX (2) 25-29. ISSN: 03027554
40. Trends in algal research in India, **S. C. Santra**, 1987. Proc of the Nat. Seminar on recent trends in plant Science research (Eds. Bhattacharya), 184-187.
41. Algal flora of Saline habitats of Sunderbans, West Bengal and its possible role in reclamation of soil, H. Maity, G. Bandopadhyay and, **S. C. Santra**, 1987, J. Indian Soc. Coastal Agric. Res. 5 (1), 325-331.
42. Utilisation and Evaluation of efficacy of *Azolla-Anabena* system for crops in West Dinajpore, D. Desarkar, S. Dutta and **S. C. Santra**, 1987, J. AASM Biophys. Res. Cent. I, 39-40.
43. Some new additions of some algal flora of West Bengal, U. C. Pal and , **S. C. Santra**, 1987, J. Indian Bot. Soc., 66, 366-369. ISSN: 0019-4468.
44. The changing Environment and responses of the living system, **S. C. Santra**, 1987, IGA Review, 8, 1-4.
45. Algal Allergy, **S. C. Santra**, 1987 in Atmospheric Biopollution (Eds. N. Chandra), Env. Pub. , 159-166.

46. Airborne algae of Calcutta Metropolis, **S. C. Santra**, 1987, *Phykos*, 71-74. (ISSN: 0031-8892)
47. Plant Biochemical responses and Biomonitoring of air pollution, A. K. Sahu and, **S. C. Santra**, 1988, in *Environmental Management and Planning*, (Eds. A. K. Sen), Wiley Eastern Public., 285-290.
48. Response of Trichome and Stoma to polluted environment in *Eupatorium odoratum* Linn., A. K. Sahu and, **S. C. Santra**, 1988, *Res. J. Pl. Environ.*, 4 (1), 65-68.
49. Marine algae of Mangrove delta region of West Bengal, India: Benthic forms, **S. C. Santra** and U. C. Pal, 1988, *Indian Biologists* XX (2), 31-41. ISSN: 03027554
50. Some new records of Indian Trentepohliaceae, **S. C. Santra**, 1988, *J. Indian Bot. Soc.*, 67,65-66. ISSN: 0019-4468.
51. A check list of algal flora of Sundarban delta of West Bengal, India, U. C. Pal, K. R. Naskar and **S. C. Santra**, 1988, *Phykos.*, 27, 48-53. (ISSN: 0031-8892)
52. Tree and Pollution abatement, **S. C. Santra**, 1988, *IGA Review*, 9, 1-3.
53. Blue-green algae in saline habitats of West Bengal: A systematic account, **S. C. Santra**, U. C. Pal and H. Maity, 1988, *Biol. Mem.*, 14(1), 81-108.
54. Physiological and biochemical changes in Yeast resistant to polyene antibiotic A-453, **S. C. Santra** and A. L. Chandra, 1988, *J. Microb. Biotech.*, 3 (1) 10-17. (**I. F. 6.0**)
55. Soil-water-plant interrelationship and their role in sustainable Eco-development, **S. C. Santra**, 1989, In *Handbook of Ecodevelopment*, School of Fundamental Research, 50-53.
56. Phytoplanktons of Bhagirathi-Hoogly Estuary: An illustrative accounts, **S. C. Santra**, U. C. Pal, T. M. Das, S. Sen, Rita Saha, S. Dutta and P. Ghosh Dastidar, 1989, *Indian Biologist*, XXI (1), 1-27. ISSN: 03027554
57. Industrial air pollution and its effect on plant's foliar traits: A case study from West Bengal,India, A. K. Sahu and S. C. Santra,1989, *Feddes Repertorium*, 100 (34). 177-186. (**I.F. 0.03**)
58. Studied on phytosociology and physiological variations of plants in the vicinity of polluted habitat, Kuntighat, West Bengal, A. K. Sahu and **S. C Santra**, 1989, *Poll. Res.*, 8(1), 15-19. ISSN: 02578050
59. Airborne fungal flora in indoor environments of Calcutta Metropolis, India, **S. C. Santra** and Sunimal Chanda, 1989, *Grana*, 28, 141-145. **I.F. 0.55**.
60. Energy plantation in wasteland - feasibility of short rotation forestry programme, **S. C. Santra**, 1989, *Proceedings of National Workshop on Economics of Energy plantation* (Eds. Mathur).
61. Conservation of Coastal Resources of India - A future strategies, **S. C. Santra**, 1989, *Proceedings of the 1st International Seminar on "Coastal Environment in Asian Region - Potentialities & problems*, 53-58.
62. Algae of Midnapore, West Bengal II. Bacillariophyceae, U. C. Pal and **S. C. Santra**, 1990, *Phykos*, 29: 74-82. (ISSN: 0031-8892)
63. Fresh water algae of West Bengal, **S. C. Santra**, 1990, In *A Prespective in Phycology* (Ed. Rajarow), Prof. M. O. P. Iyenger Cenetenary Celebration volume, Today & Tomorrow's Printers & Publishers, New Delhi-110005, 189-194.
64. Algal flora of mine Environment II Chromite and Iron ore mines, **S. C. Santra** and U. C. Pal, 1990, *Res. J. Pl. Environ.* 6(1), 19-26.
65. Algae of midnapore, West Bengal II. Bacillariopygyceae, **S. C. Santra** and U. C. Pal, 1990, *Phykos*, 29(1&2): 73-81. (ISSN: 0031-8892)
66. Studies on micromorphology of leaf in relation to mine environment, B. Saha, S. Chakraborty, P. K. Mukherjee and **S. C. Santra**, 1990, *Indian Biologist*, Calcutta, XXII (1), 12-16. ISSN: 03027554
67. Structure of plant community around the Industrial complex in West Bengal, India, A. K. Sahu and **S. C. Santra**, 1990, *Mendal, Patna*, 7(1), 117-124. ISSN: 09709649
68. Biological method of reclamation of Wastelands in mining areas - A case study, B. Saha, C. Chakraborty, P. K. Mukherjee and **S. C. Santra**, 1990, In: *Proceedings, National Ecological Development of Wasteland*, SRF, Calcutta, 123 -127.

69. Environmental Deterioration - A case study in Ajodhya Hills, Purulia Dist., West Bengal, D. K. Khan, **S. C. Santra**, D. Das, C. Mukhopadhyay, S. Dan and R. Pal, 1990, In; Proceedings, National Ecological Development of Waste land, SRF, Calcutta, 133 -135.
70. Air Pollutants and Aeroallergens Interactions, **S. C. Santra**, S. Gupta and Sunirmal Chanda, 1991, Grana, 30: 63 - 66. **I.F. 0.55**.
71. Four New Taxa from West Bengal, **S. C. Santra** and U. C. Pal, 1991, Phykos, 30:1 & 2, 75 - 80. **ISSN: 0031-8892**
72. Rice field blue green algae (Cyanobacteria) and its utilisation prospect as biofertilizer in West Bengal, India, **S. C. Santra**, 1992, Proc. Natl. Symp. Cyanobacterial Nitrogen Fixation, (Ed. B.D. Kaushik), 386 - 389.
73. Air quality monitoring by Lichens - A case study in Calcutta, India, **S. C. Santra** and S. G. Mitra, 1992, Indian J. Aerobiol. Spl. Vol. 197 - 200. **ISSN-0975-3486**.
74. Air pollution biomonitoring by Lichens - A case study in Haldia Township, S. G. Mitra, **S. C. Santra** and K. N. Roychoudhury, 1992, Poll. Res. II (I): 43 - 48. **I.F. (3.3) ISSN: 0257-8050**.
75. An approach to future *Spirulina* research, **S. C. Santra**, 1992, Proceedings of the M.C.R.C., Madras, India.
76. Studies on the effect of copper and cadmium ions on nitrogenase activity of Cyanobacteria, *Westiellopsis prolifica* Janet, S. Dan and **S. C. Santra**, 1992, Poll. Res. II (2): 85 - 87. **I.F. (3.3) ISSN: 0257-8050**.
77. Plant regeneration in *Gmelina arborea* Linn. Through tissue - I. Selection of media and organogenesis, C. mukhopadhyay, **S. C. Santra** and P. D. Ghosh, 1992, Proceedings of the National Symposium on 'Plant Sciences in the Nineties, Kalyani University, 1991, 5465 - 470.
78. Phenological studies on aquatic macrophytic plants of lower Gangetic Delta, West Bengal, India, S. K. Ghosh, **S. C. Santra** and P. K. Mukherjee, 1993, Feddes Repertorium, 104 (1 - 2), 93 - 111. (**I.F. 0.03**)
79. Strategies for plant adaptation in saline habitats - I: Foliar anatomical changes, A. Brahma and **S. C. Santra**, 1993, Indian Biologist, XXV, I, 12 - 17. **ISSN: 03027554**
80. Marine phytoplankton of the mangrove delta region of West Bengal, India, **S. C. Santra**, U. C. Pal and A. Choudhury, J. Mar. Biol. Ass. India, 1991. 33 (1 & 2), 292 - 307. **ISSN: 0025-3146**
81. Algal flora of Midnapore III Desmidiaceae, U. C. Pal and **S. C. Santra**, 1993, Phykos, 32 (1 & 2). (**ISSN: 0031-8892**)
82. Ecology of Hooghly estuary, West Bengal (India), **S. C. Santra**, 1994, in Algal Ecology: An overview (Kargupta & Siddiqui, E.N, Eds.), International Book Distributor, Dehradun, India, 293 - 318.
83. Ecotoxicological studies in aquatic algae: a review, **S. C. Santra** and S. Dan, 1994, In Advances in Ecology & Environmental Science. Eds. P. C. Mishra *et al.* Ashish Publishing House, New Delhi, 625-651.
84. Studies on productivity of sewage fed pond ecosystem, S. C. Deb, K. K. Das and **S. C. Santra**, 1994, J. Env. Biol. 3 (1), 33 - 42. (**I.F. 6.0) ISSN: 0254-8704**
85. Application of ecological principles in environmental protection in mining areas, **S. C. Santra**, 1994. In Minerals & Ecology (Banerjee sp. Ed.) Oxford and IBH Publication Co. Calcutta, 411 - 416.
86. Plankton ecology of sewage fed aquatic system in Calcutta, S. C. Deb and **S. C. Santra**, 1995. In Environment: Change and management (Mohanty R.C. Ed.), Kamalaraj Enterprises, Delhi, 75 - 89.
87. Green belt for pollution abatement, **S. C. Santra**, 1995. In Advances in Environmental Science and Technology (Trivedy, R. K., Ed.), Ashish Publishing House, New Delhi, 283 - 295.
88. Domestic and municipal wastewater treatment by some common tropical aquatic macrophytes, S. K. Ghosh and **S. C. Santra**, 1996, Indian Biologist, XXVIII, (1), 47 - 58. **ISSN: 03027554**
89. Impact of the reed vegetation of wetland in the prospective of economic gain of rural population - a case study in West Bengal, India, S. Ghosh and **S. C. Santra**, 1995, Asian Wetland News., 8, (1), 10 - 11.

90. Environmental hazards due to mining activities - a case study with reference to coal mining, **S. C. Santra**, 1995. In Modern trends in Environmental Biology, (Raha, Biswas and Chakraborti eds.), Arihant Publication House, Jaipur, 22 -24.
91. Non-timber products (NTFP) resource of Jalpaiguri Division (West Bengal) and its current status of utilisation: a brief resume, Moumita Roy and **S. C. Santra**, 1995, Ecol. Env. & Cons. 1 (1 - 4), 101 - 107. **ISSN**: 0971-765X
92. Limnological characterisation of beels with reference to fish yield in tropics, G. C. Rana, K. K. Sengupta and **S. C. Santra**, 1996, J. Inland Fish Soc. India, 26 (1), 59 - 66. **ISSN**, 0379-3435
93. Effect of heavy metal on chlorophyll content and nitrogenase activity of *Azolla pinnata* R. Br. S. Gangopadhyaya and **S. C. Santra**, 1996, Pollution Res., 15 (1), 95 - 97. (**I.F. 3.3**) **ISSN**: 0257-8050.
94. A practical approach to water pollution control through ecologically balanced wastewater management: a case study from Calcutta, India, S. C. Deb, J. S. Pandey and **S. C. Santra**, 1996, In Assessment of water pollution (Mishra, S.R., Ed.) A.P.H. Publishing Corporation, New Delhi, 63 - 79.
95. Changes in microbial population in rice field induced by fertilizer application, S. Mondal and **S. C. Santra**, 1996, Indian Biologist, XXVIII, 64 - 68. **ISSN**: 03027554
96. Statistical Modules in Road Traffic Noise Analysis: A case study in Calcutta, India, Prasun Das, Debashis Chakraborty and **Subhas Chandra Santra**, 1996, In proceedings of Sydney International Statistical Congress, Sydney-Australia, July 8-12, 1996, Pp 682-685.
97. Status of road traffic noise in Calcutta metropolis, India, Debashis Chakraborty, **S. C. Santra**, 1997, J. Acoust. Soc. Am. 101 (2), 943 - 949. (**I. F.** 1.55)
98. Economic benefits of Wetland vegetation for rural populations in West Bengal, India. S. K. Ghosh and **S. C. Santra**, 1997, Proceedings of International Conference on Wetlands and Development, Kualalumpur, Entitled Wetlands, biodiversity and Development (Ed. Win Giese). 119-131.
99. NTFP collection preservation and marketing prospects and problems- a case study in North Bengal region (W.B.), Moumita Roy and **S. C. Santra**, 1997. Proc. Annual Meeting RCNAEB; JU. 80-87.
100. Perspective of Coastal zone planning and management in Digha coast- **S. C. Santra** and D. K. Khan. (1997). Indian Journal of Landscape Systems and Ecological Studies, 20 (2), 156-165. **ISSN**: 0971-4170.
101. Water quality, plankton and periphyton assessment in different water bodies in West Bengal (India), S. Majumdar, A. Sengupta, K. Pati, K. K. Sengupta and **S. C. Santra**, 1997. In changing perspectives of Indian fisheries (Vays & Sinha eds.) IFSI, Barrackpore, 187-190.
102. In vitro clonal propagation of *Gliricidea sepium* through tissue culture. C. Mukhopadhyay, **S. C. Santra** and P. D. Ghosh, 1996. Plant tissue culture, 6 (1), 41-49. (**I. F.** 3.09)
103. Limnological characteristics of beels with reference to fish yield in Tropics, G. C. Rana. K. K. Sengupta and **S. C. Santra**, 1996, J. Inland Fish, Soc. India, 28(1) 59 - 66. **ISSN**, 0379-3435
104. Studies on the effectiveness of different micronutrient formations of planktonic diversity and growth, G. C. Rana. K. K. Sengupta and **S. C. Santra**, 1996, In current & Emerging trends in Aquaculture, Thomas, P. C. (Ed.) Daya Publishing House, New Delhi-35, 57 - 64.
105. Bioaccumulation of metals in fishes: an in-vivo experimental study of sewage feed ecosystem, S. C. Deb and **S. C. Santra**, 1997, The Environmentalist, 17; 27-32. (**I.F.** 0.04)
106. Bioaccumulation of Metals in Sewage feed Aquatic System – a case study from Calcutta (India), S. C. Deb and **S. C. Santra**, 1997, Int. J. Env. Studies, 52; 117-126. (**I.F.** 0.03)
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46. Environmental Impact of Coastal Tourism at Digha, West Bengal (India), K. Pal, D. K. Khan and **S. C. Santra**, 2002, In Management of Aquatic Habitats, (Eds. S. R. Mishra), Daya Publishing House, New Delhi, 128-145.
47. Arsenic Bioaccumulation in Rice Field Ecosystem, A. C. Samal and **S. C. Santra**, 2003, In EMBC-ENVIS Newsletter on Environmental Biotechnology, Department of Environmental Science, University of Kalyani, Vol.2: June 2003, 7.
48. Groundwater Arsenic and its impact on Agriculture and health: A case study in West Bengal, A. C. Samal, S. Chakraborty, S. Kar and **S. C. Santra**, 2003, In Proceedings of National Conference on Recent Environmental changes –It's impact on Health, Agriculture and Ecosystem, University of Kalyani, West Bengal. 124-131.
49. Groundwater Quality Deterioration and its impact on Environment: A case study in Nadia District, West Bengal, S. Kar, A. C. Samal, D. K. Khan and **S. C. Santra**, 2003, In Proceedings of National conference on Recent Environmental changes –It's impact on Health, Agriculture and Ecosystem, University of Kalyani, West Bengal, 88-93.
50. Effect of Environmental Factors on Phyllosphere Myco-floral Diversity of Mangrove Vegetations in Sundarban, West Bengal, P. Chaudhuri & **S. C. Santra**, 2003, In Proceedings of National conference on Recent Environmental changes –It's impact on Health, Agriculture and Ecosystem, University of Kalyani, West Bengal, 106-113.
51. Gamma Irradiation Studies on Development of *Oryza sativa* L. and *Phaseolus mung* L., J. P. Maity, D. Mishra, A. Chakraborty, **S. C. Santra** & S. Chanda, 2003, In Proceedings of National conference on Recent Environmental changes –It's impact on Health, Agriculture and Ecosystem, University of Kalyani, West Bengal, 151-156.
52. An Assessment of Health Impact due to Fluoride Contamination of Ground water in Rampurhat & Nalhati Blocks of Birbhum District, West Bengal, Indrani Kar, Soma Mukherjee & **S. C. Santra**, 2003, In Proceedings of National conference on Recent Environmental changes –It's impact on Health, Agriculture and Ecosystem, University of Kalyani, West Bengal , 211-216.
53. Integrated Pest Management of Two Major Teak (*Tectona grandis* Linn. f.) Pests in Forest Plantations of West Bengal, Bidhan Roy & **S. C. Santra**, 2003, In Proceedings of National conference on Recent Environmental changes –It's impact on Health, Agriculture and Ecosystem, University of Kalyani, West Bengal, 217-226.

54. A Study of Aero Fungal Biodeterioration of Museum Objects – A Case Study of Calcutta Museum, Mahashweta Majumder & **S. C. Santra**, 2003, In Proceedings of National conference on Recent Environmental changes –It's impact on Health, Agriculture and Ecosystem, University of Kalyani, West Bengal, 137 – 140.
55. Environmental status of East Calcutta Wastelands and strategies for sustainable management, S. Bhattacharya and **S. C. Santra**, 2003, In Ecology, Economy and Society – A collection of Essays, (Khasnobis, R. Ed.), 65-94.
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61. Sustainable Development of Natural Resource, Occasional Paper– 02/2006/DRS–III/ CUMBM, Research Programme on Environment Management (UGC-SAP, DRS Phase-III), (2006). **S. C. Santra**, Department of Business Management, University of Calcutta.
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63. Biodiversity and Sustainable Development in India, Sandeep Kar and **S. C. Santra**, 2006. In Towards a cleaner & Greener Environment, SAIL, 5th June, 83-86.
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65. Phytoremediation - A Novel Option for Pollution Abatement, **S. C. Santra**. 2006, In: Environment: Issues and Approach, (Eds. A. Mukhopadhyay and S. Ghosh), University of Calcutta, Kolkata, 89-93, 2006.
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72. In vitro studies on mercury(II) bioremediation by isolated Streptococcus sp. In industrial wastewater model. S. Bhattacharyya, S. Dutta and **S.C.Santra**, 2011, In Studies on Pollution Mitigation, Vol. 1, Ed S.P.Goutam, CPCB, New Delhi. PP. 391 – 403.
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75. Isolation and Characterization of Solid Waste Decomposing Bacteria – A Screening Trial. Amrita Saha, **S. C. Santra**, 2011, Proceeding of the 2nd International Conference on Solid Waste Management, November 09-11, 2011, Kolkata. Oxford Publishing House, Kolkata. Sustainable Waste Management, 534-541.
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80. Changing bioresource status in climate change regime, **S. C. Santra**, 2012, In Global warming and climate change, Joshi, B.D. Pandey G.C. and Joshi Namita (Ed.). APH Publishing Corporation, New Delhi, P. 25-33.
81. Bioprospecting, biopiracy and intellectual property right of biological resources in India. **S. C. Santra**, 2012, Proceedings of the National level conference on biodiversity: Threats and Conservation through Traditional and Biotechnological Approaches. Eds Saha, Ghosh, Gangopadhyay, Saha, Singh, Sarer & Das. Biodiversity Conservation: Fundamentals and Applications (2012) 75-81. ISBN: 978-93-80663-57-9
82. Arsenic in food chain and community health risk in Gangetic West Bengal, India. **Subhas Chandra Santra**, Alok Chandra Samal, Piyal Bhattachariya, Satabdi Banerjee, Anirban Biswas, Jayjit Majumdar, 2013, International Symposium on Environmental Science and Technology (2012 ISEST). Procedia Environmental Science, 18 (2013): 2-13. Elsevier.

LIST OF RESEARCH PROJECTS:

Sl. No.	Title	Funding Agency	Amount Sanctioned (in lakhs)
A. Completed Projects			
1.	"Plant colonization on Industrial waste land : survey, ecology and study of biological peculiarities in the reclamation perspectives." (Joint Project with University of Calcutta)	Department of Forest & environment (Govt. of India), 1985-1988.	4.5
2.	"Studies on algal symbiosis with particular reference to <u>Azolla - Anabaena azollae</u> Symbiosis".	University Grants Commission, 1989-1992.	2.5
3.	"Studies on the Feasibility of short rotation forestry (SRF) for energy plantation in wasteland".	Department of Non-conventional Energy sources, 1987-1990.	3.5
4.	"Energy Plantation Demonstration Programme".	Department of non-conventional Energy sources, 1988-1989.	0.4
5.	"Studies on the planktonic and benthic algae of the sunderban delta region of Hoogly-Matla estuary with special reference to the bio-monitoring of water quality".	University Grants Commission 1995-1998.	2.5
6.	"Biotransformation and sink of arsenic from ground water by micro-algal basal biotreatment system".	Rajib Gandhi Technology Mission, 1993-1997.	4.5
7.	"Noise survey of Calcutta and Howrah city".	West Bengal Pollution Control Board, 1994-1996.	1.75
8.	"studies on the biofouling of fresh water mussels in West Bengal".(Jointly with Fresh Water Fishery research Station, Kulia).	DST (West Bengal)1995-1996.	0.70
9.	"Studies on the insect herbivory in the forest of West Bengal".	ICFRE, Dehradun 1997-1990	2.9
10.	"studies on Sunderban benthic algae with reference to their Community Structure phenology and utilization potentialities"	UGC, 2003 - 2006	5.5
11.	"Studies on the effects of infectious fungi on Storage grain using Gamma irradiation and proton beam".	IUC-DAFF, CC (2003 – 2006)	4.5
12.	A comprehensive investigation on arsenic flow in rice ecosystem in arsenic affected districts of West Bengal with a view to develop strategies for selection of appropriate cultivable rice varieties	DoEn, West Bengal (2006 – 2009)	8.9
13.	Investigation on Soil Bacteria in Arsenic Transformation and Mobilization in Arsenic Affected Soils of West Bengal	Dept. of Environment, Govt. of West Bengal (2009-12)	4.50
B. Ongoing project			
14.	Comprehensive study on radiation induced metal tolerance in fungal strain	UGC-DAE-CRS collaborative Project (2009-12)	10.0

15.	Studies on Trace Element Distribution and their Role in Salt Stress Adaptation in Halophytic Plants of Mangrove Vegetation of West Bengal	UGC-DAE-CRS collaborative Project (2010-1013)	10.0
16.	Pesticide residue analysis in agricultural horticultural and aquacultural materials	UGC-BSR One time grant (2011 – 2013)	7.0
17.	An investigation on arsenic transfer in water soil crop environment in arsenic affected areas of West Bengal, India	Govt. of West Bengal (2012 – 2015)	13.79

CONSULTANCY WORK DONE:

Environmental Impact Assessments and Special reports (over 40 projects)-

1. Studies on coastal erosion and sand movement
2. In Digha Beach, Midnapur District, West Bengal. Sponsor: Department of Environment, Govt. of West Bengal (1985 – 1987).
3. Preparation of detailed project reports for rural water supply under the Technology Mission on Drinking water in villages and related water management in Palamau District (Bihar), Bardhaman District (West Bengal) and Sahebgang District (Bihar). Sponsor: Public Health Engineering Department, Govt. of Bihar and CAPART, Govt. of India.
4. Environmental Impact Assessment and formulation of Environmental Management Plan for the proposed Chapri – Sidhes – War copper mine and concentrator plant. Sponsor: Hindusthan Copper Limited (1990 – 1992).
5. Ambient air quality, meteorological and noise level monitoring for proposed gas based thermal power project of national thermal power corporation limited at Agartala. Sponsor: M/s Ghosh Bose @ Associates (P) Ltd., Calcutta (1990 – 1991).
6. Environmental data generation for expansion of Patpahar dolomite mine, Orissa. Sponsor : M/s M. N. Dastur @ Co. (P) Ltd. (1990 – 1991).
7. Environmental data generation for the proposed development of Maubhandar works of Indian Copper Complex, Bihar. Sponsor: M/s Dames and Moore, Australia (1992).
8. Environmental Impact Assessment /Control Measures for abatement of pollution of Rokhia Gas Thermal Project. Sponsor : Tripura State Pollution Control Board, Govt. of Tripura (1991 – 1993).
9. Environmental Audit of Maubhandar Works of India copper complex, Bihar. Sponsor : Hindusthan Copper Ltd (1992 – 1993).
10. Preparation of EIA/EMP for SGBK group of manganese mines and Dubna – Sakradih group of mines, Orissa. Sponsor : Orissa mining corporation Ltd. (1992 – 1994).
11. Preparation of EIA/EMP for Gua Iron ore (mine of IISC), Bihar, Sponsor: Steel Authority of India, Raw materials division (1992 – 1994).
12. Environmental data generation and assessment of Environmental Impact for the proposed fly ash utilisation project of Kolaghat thermal power project of West Bengal, Power Development Corporation Ltd. Sponsor : Electric Power Development Corporation, Japan (1992 – 1994).
13. Regional Environmental Management of Chakdah – Haringhata block of Nadia district, West Bengal. Sponsor : Department of Science and Technology, Govt. of West Bengal, in collaboration with Kalyani University (1992 – 1994).

14. Environmental monitoring for the proposed 1million tonnes per year alumina project along with proposed bauxite mines at Kutrumali and Sijimali (Roygada district, Orissas) of M/s Larsen and Tubro Ltd., Bombay. Sponsor : M. N. Dastur & Company Ltd., Calcutta (1993 – 1994).
15. EIA of Babupur limestone mine (M. P.) & Gatitang Dolote Mine, Orissa, SAIL, 1988
16. EIA of ERPL refinery of Paradeep, Orissa. 1989
17. EIA of Coal mine complex of SAIL of Bihar and Orissa. 1988
18. EIA of Vizak power plants. 1989
19. EIA of KJB pipelines. 1989
20. EIA of Cochin Coimbatore-Karwar and Trichi pipelines. 1989
21. EIA of Petrochem and Panipath region. 1989
22. EIA of Ranchi-Paradeep pipelines. 1990
23. EIA of Haldia-Barauni pipelines. 1990
24. EIA of Koyali-Ratlam pipelines. 1990
25. EIA of Green Valley Electronic project, Calcutta. 1995
26. EIA of IOCL pipeline, Gujarat. 1992
27. EIA of ITC Hotel project, Calcutta. 1996
28. EIA of West Bengal Housing Board project, Calcutta. 2000
29. EIA of West Bengal Housing Board project, Howrah 2000
30. EIA of Bolani Iron Ore Mine, SAIL. 2000
31. EIA, Mezia Thermal Power plant, West Bengal, 2005
32. Green Belt Development, CESE, Budgebudge, West Bengal, 2006
33. EIA, Haldia Port Complex, West Bengal, 2006.
34. Koderma Ultra Mega Thermal Power Plant, Ecological Study 2007.
35. Darkasher-Gandheswari Project, Bankura, 2007
36. CESE Haldia Power Plant Ecological Study, 2008
37. Teesta Barrage Project, 2008
38. Biodiversity studies in wildlife patch in Dalma forest, Jharkhand, CESE, 2008
39. Ecological assessment of Birbhum Coal Belt Methane Mining Area, West Bengal, 2008
40. Ecological study of Nayachar Petrochemical Hub,2009
41. Ecological and socioeconomic study of Subarnarekha Barrage Project, Government of West Bengal, 2009
42. Ecological study of Kalyani , Dabur Pharma Limited , 2009
43. Green Belt development in Haldia Energy project 2012
44. CSR of Power Grid Corporation, Subhas gram, 24 PGS (S), 2012

LIST OF PH. D. SUPERVISED:

Sl. No.	Name	Year of award	Name of the Supervisor	Title of the Ph.D. thesis
1.	Udaychand Pal	1990	Dr. S. C. Santra	Floristic survey of algal flora of Midnapore (W.B.) with particular reference to their utilization.
2.	Amal Kumar Sahu	1990	Dr. S. C. Santra	Studies on the plant communities in the industrial wasteland of southern Bengal, India.
3.	Smt. Beauty Saha	1991	Dr. S. C. Santra & Dr. P. K. Mukherjee (CU)	Ecofloristic survey of plant communities of coal mine dumps in the reclamation perspective.
4.	Chandan Mukhopadhyay	1992	Dr. S. C. Santra & Dr. P. D. Ghosh (KU)	Studies on the growth rate, biomass productivity, water use efficiency and regeneration of plantlets through tissue culture techniques in some tropical tree
5.	Subrata Dan	1993	Dr. S. C. Santra	Biomonitoring of water pollution An ecotoxicological studies using aquatic algae.
6.	Sanghamitra Gangopadhyay	1993	Dr. S. C. Santra	Investigation on the biology of some symbiotic and epiphytic algae.
7.	Swapn Chandra Deb	1993	Dr. S. C. Santra & Dr. J. S. Pandey (NEERI)	Ecological studies of sewage fed pond to improve the productivity.
8.	Subir Kumar Ghosh	1995	Dr. S. C. Santra & Dr. P. K. Mukherjee (CU)	Studies in the ecology of aquatic plant communities in West Bengal, India
9.	Aloke Kumar Branma	1996	Dr. S. C. Santra	An investigation on the plant strategies for adaptation in saline habitat with reference to some plants of tropical mangrove vegetation.
10.	Smt. Nandita Chakravorty	1996	Dr. S. C. Santra & Dr. V. Sugunan (CIFRI)	"Biomonitoring of pollution in Hoogly estuary through plankton species diversity".
11.	Satyagopal Mitra*	1996	Dr. S. C. Santra & Dr. B. Pati (VU)	Ecological studies of lichens with special reference to air pollution biomonitoring.
12.	Ganesh Rana	1997	Dr. S. C. Santra	Limnological studies of fresh water oodles in the perspective of scientific culture fisheries management
13.	Debashis Chakravorty	1997	Dr. S. C. Santra & Dr. Biva Roy (Bose Institute)	Studies on road traffic noise and its impact on community responses and planning for future noise reducing in Calcutta metropolis.
14.	Moumita Roy	1997	Dr. S. C. Santra	Study of the status of NTFP availability & utilization in forest of North Bengal (India) with special reference to its ecological impact or local environment.
15.	St. Edward Kabir*	1997	Dr. S. C. Santra & Dr. A. P. Das (NBU)	Studies in the effect of climate and nutrients on related physiological and Biochemical parameters of some tea (<i>Camellia sinensis</i>)
16.	Ananda Banerjee	1998	Dr. S. C. Santra	Studies of planktons of rivers in mangrove delta region of West Bengal, India
17.	Gopa Bhar	1998	Dr. S. C. Santra	An investigation on the removal of arsenic from ground water by microbial system.
18.	Sumana Mazumder	1998	Dr. S. C. Santra & Dr. K. K. Sengupta (Fishery, WB)	Studies of effect of environment factors on growth, survivability, reproduction and pearl production of fresh water mussels (<i>Lamellia marginalis</i>).

19.	Santanu Saha	1998	Dr. S. C. Santra	Ecological studies on different types of high altitude temperate vegetation in the Meghma-Tonglu region of Darjeeling hills, WB (India)
20.	Sumita Patra	1998	Dr. S. C. Santra	Toxicological studies on biota using paper mill waste water.
21.	Baisakhi Bandyopadhyay	2000	Dr. S. C. Santra	Morphological, Biochemical & Cytological investigation of different plant species under tribe Phaseolae of Indian Fabaceae.
22.	Mrinmoy Munshi*	2001	Dr. S. C. Santra & Dr. S. Lahiri (JU)	Biochemical and Enzymology studies on plant system in the perspective of air quality monitoring
23.	Kanta Pal	2001	Dr. S. C. Santra & Dr. D. K. Khan (KU)	Coastal tourism in Digha region of West Bengal with special reference to environmental problems, future developmental prospect and management plan.
24.	Manisa Deb	2002	Dr. S. C. Santra	Studies on a coastal creek ecosystem with special consideration, of energetic, trophic status, productivity, and biodiversity changes.
25.	Aariz Aftab	2002	Dr. S. C. Santra	Studies on carrying capacity assessment of Haldia Industrial Complex, W. B (India)
26.	Indrani Choudhury	2005	Dr. S. C. Santra & Dr. M. Chakrabarty (SAAC)	Environmental status evaluation of agroecosystem of South 24 Parganas district, West Bengal using Remote sensing and GIS Techniques.
27.	Alok Chandra Samal	2005	Dr. S. C. Santra	An Investigation on Accumulation of Arsenic in Ecosystem of Gangetic West Bengal And Assessment of Potential Health Risk
28.	Joy Mukhopadhaya		Dr. S. C. Santra & Dr. S. Bhattacharya (Asutosh College)	Ecological Studies on <i>Anopheles Stephensi</i> with special reference to Epidemiology of Malaria in Calcutta
29.	Suman Das	2006	Dr. S. C. Santra	Studies in Bioremediation of Waste Water in Perspective of Reuse in Agriculture and Aquaculture.
30.	Sukalyan Chakraborty	2006	Dr. S. C. Santra	Biochemical and Enzymatic Analysis of Benthic Algae of Sunderbans, West Bengal.
31.	Jyoti Prakash Maity	2006	Dr. S. C. Santra Dr. A. Chakraborty (UGC-DAE, CSR)	Studies on Radiation Induced Effects on Fungal Population Infesting Stored Grain
32.	Rajarshi Mitra*	2007	Prof. S. C. Santra Prof S. Hazra (JU)	Assessment of Environmental Change and Sustainability at the Bhitarkanika National Park and Adjacent Coastal Areas of Orissa, India
33.	Mousumi Pal	2007	Prof. S. C. Santra Dr. Nitai Kundu, (IESWBM)	Environmental management of 'Peri-Urban interface' using space borne data and GIS: A study of East Kolkata Peri-Urban ecosystem.
34.	Partha Sarathi Ghosh	2007	Prof. S. C. Santra	Studies on the changing vertebrate faunal diversity in urban environment: A case study in Calcutta
35.	Arindam Datta	2007	Prof. S.C.Santra Dr. T.K.Adhya (CRR)	Mitigation of Green house Gas Emission from Tropical Rice Ecosystem
36.	P. Chaudhuri	2007	Prof. S.C. Santra	Studies on Fungal Bio-diversity of mangrove vegetation of West Bengal, India
37.	Sandeep Kar	2008	Prof. S.C.Santra	Assessment of air borne particulate distribution and their accumulation in tree canopies of urban environment in the perspective of identification of tolerant plants suitable for green belt

				development
38.	Bikash Ranjan Mahato*	2008	Prof. S.C.Santra Prof. Amitava Gangaopadhyay (JU)	Constructed wetland as an improvement strategy over conventional and other low cost treatment systems of municipal wastewater – a case study in Indian condition.
39.	Nandini Gupta	2009	Dr. S. C. Santra Dr. D. K. Khan	Environmental concern of wastewater irrigation – a case study in sewage-fed agricultural practices in Titagarh , North 24 Parganas , West Bengal.
40.	Rakhi Roy	2009	Dr. S. C. Santra Dr. Bijan Kr. Biswas (ZSI)	An investigation on spider fauna of Sunderban, (West Bengal) with special reference to their habitat ecology and feeding behaviour in the perspective of pest management.
41.	Bidhan Roy	2009	Dr S.C.Santra	Biological investigation on some herbivorous insect pests of plantation forests in West Bengal, India
42.	Aruna Biswas	2009	Dr S.C.Santra	Medical waste management policy in Bangladesh
43.	Gurmeet Singh*	2010	Dr S.C.Santra and Dr A. L. Ramanathan (JNU)	Nutrient dynamics in the buffer zones of the sunderban mangrove ecosystem, India
44.	Anindita Mitra	2010	Dr S.C.Santra and Dr Joydeep Mukherjee (JU)	Bioprospecting of marine actinomycetes of the Indian Sunderban
45.	Subarna Bhattacharya*	2010	Dr. S.C.Santra and Dr. S. Dutta, (JU)	Studies on mercury status in urban ecosystem and assessment of microorganisms in bioremediation
46.	Piyal Bhattachaya	2011	Dr S.C.Santra	Studies on arsenic bioaccumulation on rice system and its possible consequences
47.	Lakshmi Ganesan	2011	Dr. S.C.Santra and Dr R. A. Khan (ZSI)	Diversity and ecology of zooplankton in some select wetlands of south-east West Bengal
48.	Indranil Sadhukhan	2011	Dr. S.C.Santra and Dr K.M.Agarwal (IISWBU)	Study on evaluation of opportunities and risk of operationalizing the industrial ecology concept – A niche for sustainable development
49.	Merina Ghosh*	2012	Prof. S.C.Santra and Prof. D.K.Paul (VU)	A remote sensing and GIS approach for mapping of arsenic contaminated area of District North 24 Parganas, West Bengal, India for Management of Water use Pattern
50.	Shaoli Majumder	2012	Prof. S.C.Santra and Dr. N.K.Jana (Charuchandra College)	Elemental profile and physiological response of epiphytic lichen, parmelia caperata, exposed to air pollutants: an approach towards passive monitoring of air pollution in Kolkata, India
51.	Amrita Saha	2012	Prof. S.C.Santra	Biochemical and molecular characterization of bacterial consortium of municipal solid wastes
52.	Satabdi Banerjee	2014	Prof. S.C.Santra	Investigation of soil bacteria in Arsenic transformation and mobilisation in arsenic affected soils of West Bengal
53.	Jayjit Majumder	2014	Prof. S.C.Santra	Investigation on microbial interaction in elemental cycling at estuarine environment- Sunderban, India.
54.	Suman Sengupta	2014	Prof. S.C.Santra and Dr. Arindam Bhattacharya, CU	Regulation of transforming growth factor – β in breast cancer
55.	Kaushik Mukherjee	2014	Prof. S.C.Santra	An investigation on the effect of some heavy metals on soil mycoflora of urban environment
56.	Rumpa Das*	2014	Prof. S.C.Santra Netaji Subhas Open	Investigation on Ecotourism planning and management in Indian Sunderban

			University	
57.	Syamalina Goswami	2014	Prof. S.C.Santra	Studies on water availability and landuse pattern in the Burdwan District of West Bengal in the perspective of comprehensive area development management
58.	Anirban Biswas	2014 (Submitted)	Prof. S.C.Santra	Environmental arsenic exposure and biomarkers evaluation in human of some arsenic prone area of Nadia district, West Bengal, India
59.	Debarghya Chakraborty	2014 (Submitted)	Prof. S.C.Santra	Studies on distribution of heavy metals in water, sediment and biota in coastal areas of Sunderbans and its potential risk in the environment

* Candidates obtained PhD degree from other university under joint supervision of Prof. S.C.Santra

ACTING AS REVIEWER / REFEREE OF JOURNALS:

Sl. No.	Name of Journals	Publisher
1.	Journal of Hazardous Materials	Elsevier
2.	Environmental Monitoring & Assessment	Springer
3.	International Journal of Phytoremediation	Taylor & Francis
4.	Journal Paddy and Water Environment	Springer
5.	International Journal of Plant Physiology and Biochemistry	Elsevier
6.	Science of The Total Environment	Elsevier
7.	African Journal of Biotechnology	Academic Journals
8.	African Journal of Food Science	Academic Journals
9.	African Journal of Agricultural Research AJAR	Academic Journals
10.	African Journal of Microbiology Research	Academic Journals
11.	Journal of Indian Chemical Society	Indian Chemical Society.
12.	Science & Culture	Indian Science News Association
13.	Journal of Environment Pollution and Human Health	Science and Education Publishing, USA
14.	International Journal of Biotechnology and Food Science	Science web Publishing
15.	International Research Journal of Bioengineering and Biomedical Sciences	International Research Journals
16.	IJMS, Indian Journal of Marine Sciences	NISCAIR
17.	Indian Journal of Geo-Marine Sciences (<i>IJGMS</i>)	NISCAIR
18.	Web Pub Journal of Scientific Research (WJSR)	Kluwer Academic <i>Publishers</i>
19.	Sky Journal of Soil Sciences and Environmental Management	Sky Journals
20.	International Journal of Advanced Research (IJAR). ISSN 2320-5407	Research Communications
21.	Prudence Journal of Medicinal Plants Research	Academic Journals Inc., USA
22.	International Journal of Agricultural Science Research	http://academeresearchjournals.org/journal/ijasr

23.	Basic Research Journal of Agricultural Science and Review (BRJASR)	www.basicresearchjournals.org/JASR
24.	Journal of Research in Environmental Science and Toxicology	jrest@interesjournals.org
25.	International Research Journal of Agricultural Science	www.interesjournals.org/IRJAS
26.	International Journal of Biochemistry and Biotechnology	International Scholars Journals.
27.	Science Journal of Environmental Engineering & Research	Research Publishing Group
28.	International Journal of Biochemistry and Biotechnology	http://www.internationalscholarsjournals.org/
29.	Journal of Environmental Chemistry and Ecotoxicology	jece@academicjournals.org
30.	Journal of Environmental Science and Water Resources	Wudpecker
31.	International Research Journals of Biochemistry and Bioinformatics(IRJBB)	www.interesjournals.org/IRJBB
32.	Journal of Environmental Biology,	Triveni Enterprises
33.	Journal of Ecology and Natural Environment (JENE)	www.academicjournals.org/JENE
34.	International Journal of Biological and Chemical Sciences (IJBCS)	International Formulae Group (IFG)
35.	Journal of Threatened Taxa	Wildlife Information Liaison Dev