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Present Position

Professor, Centre for Water Resources, College of Engineering Guindy, Anna University, Chennai from December-2009.

Present Additional Responsibility

- Director, Centre for Constituent Colleges, Anna University, Chennai from September-2020.

Previous Positions

- Professor, Centre for Water Resources, College of Engineering Guindy, Anna University, Chennai from December-2009.
- Professor, Centre for Environmental Studies, College of Engineering Guindy, Anna University, Chennai during April-2008 and December-2009.
- Associate professor, Centre for Environmental Studies, College of Engineering Guindy, Anna University, Chennai during January-2006 and April-2008.
- Assistant Professor, Centre for Environmental Studies, College of Engineering Guindy, Anna University, Chennai during May-2000 and December-2005.
- Assistant Professor, Institute of Remote Sensing, College of Engineering Guindy, Anna University, Chennai during April-2000 and May-2000.
- Lecturer Sr. Grade, Centre for Environmental Studies, College of Engineering Guindy, Anna University, Chennai during March-1998 and April-2000.
- Lecturer, Centre for Environmental Studies, College of Engineering Guindy, Anna University, Chennai during March-1994 and March-1998.

Previous Additional Responsibility

- Advisor-i, Approval Bureau, Aicte (on Deputation), , Anna University, Chennai during November-2015 and June-2020.
- Director, Centre for Research, Anna University, Chennai during June-2012 and June-2015.

- Deputy Director, Centre for Research, Anna University, Chennai during June-2008 and May-2012.

Other Employment

- Project Scientist, Institute for Ocean Management, Anna University, Chennai for 1 year & 1 month.
- Research Assistant, Centre of Studies and Resources Engineering, IIT Bombay for 1 year.
- Research Associate, Indira Gandhi Institute for Development Research (IGIDR), Bombay for 1 year.

Degree

- ❖ M.Tech. in REMOTE SENSING (ENGINEERING) , College of Engineering Guindy, Anna University, Chennai (1986 - 1988).
- ❖ B.E. in CIVIL ENGINEERING , College of Engineering Guindy, Anna University, Chennai (1982 - 1986).

Research Degree

- ❖ Postdoctoral Research in Honorary Lincoln University College, Kuala Lumpur, Malaysia, Lincoln University College, Kuala Lumpur, Malaysia (2019 - 2019).
Title: D.Litt..
- ❖ M.S. (By Research) in ENVIRONMENTAL ENGINEERING from Faculty of CIVIL, College of Engineering Guindy, Anna University, Chennai (1998 - 2000).
Title: Industrial Siting in Minjur Block using Geographical Information System.
- ❖ Ph.D. in Ocean Engineering from Faculty of CIVIL, IIITM, IITM (1988 - 1992).
Title: Studies on Waves and Suspended Sediment Transport using Satellite and Ship Data and their Impact on Shoreline Dynamics of Tamil Nadu Coast.

Area of Specialisation

- Coastal Engineering
- Environmental Engineering
- Remote Sensing and GIS

Membership in Professional Organization

- Fellow, Indian Society for Technical Education (ISTE), New Delhi
- Fellow, Institution of Engineers (India) (IEI), Kolkata, F115366-4

- Fellow, Indian Society of Civil Engineers (ISCE), Chennai
- Full Member, Organization for Women in Science for the Developing World (OWSD), UNESCO, Italy, No.21
- Life Member, National Academy of Sciences India (NASI), Allahabad, LM2011
- Life Member, Indian Society for Hydraulics (ISH), Pune, LM794
- Life Member, Ocean Society of India (OSI), Kochi
- Life Member, Indian Society of Remote Sensing (ISRS), Dehradun, L518
- Life Member, Indian Association of Environmental Management (IAEM), Nagpur, LM1280
- Life Member, Indian Society of Geomatics (ISG), Ahmedabad, L553
- Life Member, Indo-French Technical Association (IFTA), Mumbai, No.998
- Life Member, Indian Environmental Association (IEA), Mumbai
- Life Member, Enviro Media (EM), Pune, No.5581/1/1

Research Guidance

Number of Ph.D Scholars Guided	: 21
Number of Ph.D Scholars Guiding	: 4
Number of M.S (By Research) Students Guided	: 4
Number of M.E./ M.Tech. Projects Guided	: 54
Number of Ph.D Scholars Guided as Joint-Supervisor	: 1

Papers Published in Journals

Research Papers Published in International Journals	: 59
Research Papers Published in National Journals	: 69

1. Usha Natesan and SP.Subramanian, " Wind wave relationship for Bay of Bengal from GEOSAT data", Indian Journal of Remote Sensing, Vol. 20, Issue 2, pp. 159-164 (1992).
2. Usha Natesan and SP.Subramanian, " Assessment of GEOSAT data", Journal of Marine Biological Association of India, Vol. 35, Issue 1, pp. 205-207 (1993).
3. Usha Natesan and SP.Subramanian, " Seasonal shoreline oscillation of Tamilnadu coast", Current Science, Vol. 65, Issue 9, pp. 667-668 (1993).
4. Usha Natesan and SP.Subramanian, " Minimum swell heights over Arabian sea and Bay of Bengal derived from GEOSAT Altimeter data", Mausam, Vol. 44, Issue 3, pp. 290-291 (1993).

5. Usha Natesan, " Energy from ocean waves", Energy Management, Vol. 18, Issue 1, pp. 31-36 (1994).
6. Usha Natesan and SP.Subramanian, " Satellite observations of wave heights in the Arabian Sea and Bay of Bengal", ASCE Journal of Waterway, Port, Coastal and Ocean Engineering, Vol. 120, Issue 6, pp. 576-579 (1994).
7. Usha Natesan, "Monitoring marine environmental problems using Remote Sensing Technology", Envis Newsletter, Vol. 6, Issue 4, pp. 2 (1994).
8. Usha Natesan, " Satellite assistance in oil pollution studies", Pollution Research, Vol. 13, Issue 1, pp. 91-93 (1994).
9. Usha Natesan and SP.Subramanian, " Identification of erosion-accretion regimes along Tamilnadu coast, India", Journal of Coastal Research, Vol. 10, Issue 1, pp. 203-205 (1994).
10. Usha Natesan, " GIS application in EIA", Envis Newsletter, Vol. 9, Issue 1, pp. 4 (1996).
11. Usha Natesan, " GIS applications in Industrial Siting", Envis Newsletter, Vol. 13, Issue 1, pp. 4-5 (1999).
12. M.Narayana Rao, E.S.M.Suresh and Usha Natesan, " Applications of Geographical Information Systems in Environmental Impact Assessment Studies", Journal of Technical and Vocational Education, Vol. 16, pp. 12-16 (1999).
13. Usha Natesan, " Spectral fluorescence study of oil", Envis Newsletter, Vol. 13, Issue 2, pp. 8 (2000).
14. E.S.M.Suresh and Usha Natesan, " Siting Sanitary landfills using GIS: A case study of Chennai Metropolitan Development Area", The Indian Geographical Journal, Vol. 75, Issue 2, pp. 75(2), 95-108 (2000).
15. G.S.Dwarakish and Usha Natesan, " Coastal Structures Vs Shoreline Configuration", NITK Research Bulletin, Vol. 11, Issue 3, pp. 25-33 (2002).
16. Usha Natesan, E.S.M.Suresh and M.Narayana Rao, " Site suitability evaluation for locating sanitary landfills using GIS", Journal of the Indian Society of Remote Sensing, Vol. 30, Issue 4, pp. 261-264 (2002).
17. Usha Natesan, "GIS Application in Groundwater Targeting and Quality Assessment", Indian Journal Water Works Association, Vol. 26, Issue 1, pp. 7-11 (2004).
18. Usha Natesan, " Role of satellites in monitoring sediment dynamics", Current Science, Vol. 86, Issue 8, pp. 1068-1069 (2004).
19. Usha Natesan, " Impacts of Sea Level rise along Coromandal coast using GIS", Journal of the Indian Society of Remote Sensing, Vol. 33, Issue 1, pp. 69-73 (2005).
20. B.Srisathya and Usha Natesan, " Density of meiofauna in four stations of Ennore, Tamilnadu with different types of pollution", Journal of Aquatic Biology, Vol. 20, Issue 2, pp. 20(2), 63-72 (2005).

21. G.S.Dwarakish and Usha Natesan, " Prediction of shoreline evolution by statistical analysis of beach samples and surveys at New Mangalore Port", Water and Energy International Journal, Vol. 62, Issue 2, pp. 37-43 (2005).
22. G.V.M.Gupta, Usha Natesan, M.V.Ramana Murthy, V.G.Sravan Kumar, S.Viswanathan, M.S.Bhat, Ajay Kumar Ray and B.R.Subramanian, " Nutrient budgets for Muthupet lagoon, southeastern India", Current Science, Vol. 90, Issue 7, pp. 967-972 (2006).
23. P.Rajesh Prasanna and Usha Natesan, " Eco-degradation analysis in Kundapallam watershed using Remote sensing and GIS", Engineering Today, Vol. 8, Issue 2, pp. 17-19 (2006).
24. V.R.Sumathi and Usha Natesan, " Status of Ground Water around the solid wastes dumping sites in Pondicherry Region", Pollution Research, Vol. 25, Issue 2, pp. 131-135 (2006).
25. V.R.Sumathi and Usha Natesan, " Study on Air Quality around the dumping sites of solid wastes in Pondicherry Region", Pollution Research, Vol. 25, Issue 2, pp. 391-396 (2006).
26. K.Palanivelu, Nisha Priya, A.Muthamil Selvan and Usha Natesan, " Water quality assessment of tsunami affected coastal areas of Chennai", Current Science, Vol. 91, Issue 5, pp. 583-584 (2006).
27. K.K.Satpathy, Usha Natesan, S.Kalaivani, A.K.Mohanty, M.Rajan and Baldev Raj, " Total Dissolved copper concentrations in coastal waters of Kalpakkam", Current Science, Vol. 91, Issue 8, pp. 1008-1010 (2006).
28. Usha Natesan and S.Kalaivani, " Influence of tidal variations on the water quality of Buckingham Canal, Ennore", Engineering Today, pp. 53-55 (2007).
29. Usha Natesan, M.Sundararajan and S.Sattar Hussain, " Sediment transport along Vedaranyam coast, Southeast India", Engineering Today, pp. 41-44 (2007).
30. Usha Natesan and P.R.Rajalakshmi, " Dynamics of Pulicat mouth", Engineering Today, pp. 29-32 (2007).
31. M.Madan Kumar and Usha Natesan, " A study on the dynamic changes of Landuse/Landcover for Muthupet wetland using Remote Sensing and Geographical Information System", Engineering Today, pp. 17-19 (2007).
32. M.Sundararajan and Usha Natesan, " Mineralogical studies on beach sediments of south east coast of India", Met News, Vol. 25, Issue 32, pp. 44-50 (2007).
33. M.Sundararajan and Usha Natesan, " Heavy mineral distribution along the East Coast of India", Met News, Vol. 25, Issue 2, pp. 3-5 (2007).
34. G.Dinakaran and Usha Natesan, " Post monsoon season water quality around Cuddalore Port, Tamilnadu, India", Environment and Ecology, Vol. 25, Issue 3, pp. 694-697 (2007).
35. K.K.Satpathy, A.K.Mohanty, G.Sahu, M.V.R.Prasad, R.Venkatesan, Usha Natesan and M. Rajan, " On the occurrence of *Trichodesmium erythraeum* (Ehr.) bloom in the coastal waters of Kalpakkam east coast of India", Indian Journal of Science and Technology, Vol. 1, Issue 2, pp. 1-9 (2007).

36. Usha Natesan and S.Kalaivani, " Water Quality in and around Chennai Port during post monsoon", *Pollution Research*, Vol. 26, Issue 4, pp. 25-31 (2007).
37. M.Sundararajan and Usha Natesan, " SEM and XRD studies of Quartz mineral along Point Calimere, South East Coast of India", *Met News*, Vol. 26, Issue 1, pp. 29-36 (2008).
38. K.K.Satpathy, A.K.Mohanty, M.V.R.Prasad, Usha Natesan and S.K.Sarkar, " Post Tsunami Changes in Water Quality of Kalpakkam Coastal Waters, East Coast of India with Special Reference to Nutrients", *Asian Journal of Water, Environment and Pollution*, Vol. 15, Issue 4, pp. 15-30 (2008).
39. Vittal Hedge, G.S.Dwarakish, Asano Toshiyuki, Taro Kakinuma, Usha Natesan and K.Mahesh, " Landuse/ Land Cover Change Detection in the Local Planning Area of Mangalore City - A Remote Sensing Approach", *International Journal of Earth Sciences and Engineering*, Vol. 2, pp. 80-85 (2008).
40. G.Anand and Usha Natesan, " Hydrodynamic modelling around Tuticorin Port", *Journal of Indian Association for Environmental Management*, Vol. 35, Issue 3, pp. 127-132 (2008).
41. E.S.M.Suresh, and Usha Natesan, " GIS modelling of land suitability for solid waste disposal", *International Journal of Geomatics*, Vol. 4, Issue 3, pp. 39-46 (2008).
42. V.R.Sumathi, Usha Natesan and Chinmoy Sarkar, " GIS based approach for optimized siting of municipal solid waste landfill", *Waste Management*, Vol. 28, pp. 2146-2160 (2008).
43. G.S.Dwarakish, S.A.Vinay, S.M.Dinakar, B.Jagadeesha Pai, K.Mahaganesha and Usha Natesan, " Integrated coastal zone management plan for Udupi coast using remote sensing, geographical information system and global position system", *Journal of Applied Remote Sensing*, Vol. 2, Issue 1, pp. 023515 (2008).
44. G.Dinagaran, Usha Natesan and C.K.N.Manikandan, " Tidal level measurement and development of bathymetry for Cuddalore Port", *Journal of Ecotoxicology and Environmental Monitoring*, Vol. 18, Issue 4, pp. 385-390 (2008).
45. K.K.Satpathy, Usha Natesan, S.Sarguru, A.K.Mohanty, M.V.R.Prasad and S.K.Sarkar, " Seasonal variations in mercury concentrations in the coastal waters of Kalpakkam, southeast coast of India", *Current Science*, Vol. 95, Issue 3, pp. 374-381 (2008).
46. M.Sundararajan, Usha Natesan, N.Babu and P.Seralathan, " Sedimentological and Mineralogical investigation of beach sediments of a fast prograding Cuspate foreland (Point Calimere), Southeast coast of India", *Research Journal of Environmental Sciences*, Vol. 3, Issue 2, pp. 134-148 (2009).
47. G.S.Dwarakish, S.A.Vinay, Usha Natesan, Toshiyuki Asano, Taro Kakinuma, Katta Venkataramana, B.Jagadeesh Pai and M.K.Babita, " Coastal Vulnerability Assessment of the Future Sea Level Rise in Udupi Coastal Zone of Karnataka State, West Coast of India, ", *Ocean and Coastal Management*, Vol. 52, Issue 9, pp. 467-478 (2009).
48. B.R.R.Seshan, Usha Natesan and K.Deepthi, " Geochemical and statistical approach for evaluation of heavy metal pollution in core sediments in southeast coast of India", *International Journal of Environmental Science and Technology*, Vol. 7, Issue 2, pp. 291-306 (2010).

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50. M.Sundararajan and Usha Natesan, " Environmental significance in recent sediments along Bay of Bengal and Palk Strait, East coast of India: A Geotechnical approach", International Journal of Environmental Research, Vol. 4, Issue 1, pp. 99-120 (2010).
51. M.Sundararajan and Usha Natesan, " Sedimentary processes and mineral dispersion along Point Calimere, Southeast Coast of India", World Applied Sciences Journal, Vol. 9, Issue 5, pp. 514-520 (2010).
52. Usha Natesan and P. Anitha, " The potential impacts of sea level rise along the coastal zone of Kanyakumari District in Tamilnadu, India", Journal of Coastal Conservation, Vol. 14, Issue 3, pp. 207-214 (2010).
53. M.Sundararajan and Usha Natesan, " Geochemistry of Elements in Core Sediments Near Point Claimere, the Southeast Coast of India", International Journal of Environmental Research, Vol. 4, Issue 3, pp. 379-394 (2010).
54. G.S.Dwarakish, Usha Natesan, S.R.Nayak, Prakash Chauhan and C.R.C.Nagur, " Analysis of IRS-P4 OCM data for estimating the Suspended Sediment Concentrations along the Mangalore Coast, India", International Journal of Imaging, Vol. 3, pp. 23-40 (2010).
55. Kamala Kanta Satpathy, Ajit K. Mohanty, Gouri Sahu, Santosh K. Sarkar, Usha Natesan, R. Venkatesan, M.V.R.Prasad, " Variations of physicochemical properties in Kalpakkam coastal waters, east coast of India, during southwest to northeast monsoon transition period", Environmental Monitoring and Assessment, Vol. 171, pp. 411-424 (2010).
56. M.Sundararajan and Usha Natesan, " Geochemistry of core sediments from Mullipallam creek, South East coast of India", Environmental Earth Science, Vol. 61, pp. 947-961 (2010).
57. K.Kathiravan, K.Brindha and Usha Natesan, " Water Quality assessment and the impact of mixing of treated sewage on river Koraiyar, Trichirapalli, India", Journal of Indian Association of Environmental Management, Vol. 37, Issue 2, pp. 163-167 (2010).
58. K.K.Satpathy, A.K.Mohanty, U. Natesan, M.V.R.Prasad, S.K.Sarkar, " Seasonal variation in physicochemical properties of coastal waters of Kalpakkam, east coast of India with special emphasis on nutrients", Environmental Monitoring Assessment, Vol. 164, Issue 1, pp. 153-171 (2010).
59. G.S. Dwarakish, Usha Natesan and V.Archana, " Quantitative analysis of morphometric parameters using Remote sensing and GIS - A case study of Baidhur hole and Yedamavina Hole watersheds", NITK Research Bulletin, Vol. 19, Issue 2, pp. 30-39 (2010).
60. K.N.Mohan Kumar, Amruth Karjgi, Gumageri Nagaraj, Arjun Kamath, V.M. Varun, G.S. Dwaraksih and Usha Natesan, " Effect of coastal landforms on beach morphology along Sasihithilu coast, West Coast of India", NITK Research Bulletin, Vol. 19, Issue 2, pp. 21-29 (2010).

61. Usha Natesan and B.R.R.Seshan, " Vertical Profile of Heavy metal concentration in Buckingham Canal, Ennore", *Indian Journal of Geo-Marine Sciences*, Vol. 40, Issue 1, pp. 83-97 (2010).
62. M.Sundararajan and Usha Natesan, " Environmental Geochemistry of core sediments from Serthalaikkadu creek, East coast of India", *Environmental Earth Sciences*, Vol. 62, pp. 493-506 (2011).
63. K.K.Satpathy, A.K.Mohanty, G.Sahu, S.Sarguru, S.K.Sarkar and Usha Natesan, " Spatio-Temporal Variation in Physico-Chemical Properties of Coastal Waters off Kalpakkam, Southeast Coast of India, during Summer, Pre-Monsoon and Post-Monsoon Period", *Environmental Monitoring and Assessment*, Vol. 180, Issue 1, pp. 41-62 (2011).
64. V. Rajagopalan and Usha Natesan, " Delineation of Shoreline Changes Using Remote Sensing and Geographical Information System", *International Journal of Applied Engineering Research*, Vol. 6, Issue 10, pp. 1219-1226 (2011).
65. Usha Natesan and K.Deepthi, "Groundwater Pollution Modelling - A Case Study for Tiruppur, Tamil Nadu", *Pollution Research*, Vol. 31, Issue 4, pp. 563-570 (2012).
66. N.R.Pavithra, Gumageri Nagaraj, G.S.Dwarakish and Usha Natesan, " Longshore Sediment Transport Rate for Mangalore Coast", *NITK Research Bulletin*, Vol. 21, Issue 1, pp. 13-18 (2012).
67. A.Saleem Khan, A.Ramachandran, N.Usha, S.Punitha and V.Selvam, " Predicted Impact of the Sea-Level Rise at Vellar-Coleroon Estuarine Region of Tamil Nadu Coast in India: Mainstreaming Adaptation as a Coastal Zone Management Option", *Ocean and Coastal Management*, Vol. 69, pp. 327-339 (2012).
68. R.Rajamohan, Vinita Ebenezer, Puspallata Rajesh, V.P.Venugopalan, Usha Natesan, V.Murugesan and S.V.Narasimhan, " Trihalomethane Formation Potential of Drinking Water Sources in a Rural Location", *Advances in Environmental Research*, Vol. 1, Issue 3, pp. 181-189 (2012).
69. K.K.Satpathy, A.K.Mohanty, M.V.R.Prasad, Usha Natesan and S.K.Sarkar, " Studies on the Variations of Heavy Metals in the Marine Sediments off Kalpakkam, East Coast of India", *Environmental Earth Sciences*, Vol. 65, Issue 1, pp. 89-101 (2012).
70. A.Saleem Khan, A.Ramachandran, N.Usha, I.Arul Aram and V.Selvam, " Rising Sea and Threatened Mangroves - A Case Study on Stakeholders'™ Engagement in Climate Change Communication and Non Formal Education", *International Journal of Sustainable Development and World Ecology*, Vol. 19, Issue 4, pp. 330-338 (2012).
71. A.L. Muthulakshmi, Usha Natesan, K. Deepthi, Vincent A. Ferrer, S.V. Narasimhan, V.P.Venugopalan, "Temporal variability in coastal waters of Kalpakkam, India", *Archives of Environmental Science*, published by Archives of Environmental Science. Vol. 6, pp. 118-131 (2012).
72. Usha Natesan and Anitha Parthasarathy, "Extent of Inundation on Tsunami 2004 along Vedaranyam, Nagapattinam District, East Coast Of India", *Disaster Advances*, published by Disaster Advances. Vol. 5, Issue 4, pp. 370-377 (2012).

73. Usha Natesan, " Accumulation of organic pollutants in aquatic organisms from Ennore estuary, Chennai, India", Asian Journal of Chemistry, published by Asian Journal of Chemistry. Vol. 25, Issue 5, pp. 2392-2394 (2012).
74. B.R.R.Seshan, Usha Natesan and K.Deepthi, " Geochemical evidence of terrigenous influence in sediments of Buckingham Canal, Ennore, Southeast Coast of India", Environmental Earth Science, published by Springer. Vol. 66, Issue 2, pp. 489-503 (2012).
75. Gumageri Nagaraj, G.S.Dwarakish, Sreenivasulu Dandagala and Usha Natesan, " Neural Network for Ocean Wave Forecasting", CiiT International Journal of Artificial Intelligent Systems and Machine Learning, published by Coimbatore Institute of Information Technology. Vol. 4, Issue 3, pp. 167-172 (2012).
76. A.Saleem Khan, A.Ramachandran, P.Malini and N.Usha, " Adopt adaption to changing climate: realizing the need of the hour", Ecology Environment and Conservation, published by EM International. Vol. 18, Issue 1, pp. 83-90 (2012).
77. Usha Natesan and K.Deepthi, " Groundwater Pollution Modelling - A case study for Chennai (India)", Pollution Research, published by EM International. Vol. 31, Issue 4, pp. 513-518 (2012).
78. Usha Natesan, K.Deepthi, AL.Muthulakshmi, Vincent A.Ferrer, S.V.Narasimhan and V.P.Venugopalan, "Textural and depositional processes of surface sediments of Kalpakkam, Southeast Coast of India", Frontiers of Earth Science, Vol. 6, Issue 4, pp. 392-404 (2012).
79. Kalpana and Usha Natesan, " Spatio-Temporal Variations in Water Quality of Muttukadu Backwaters, Tamilnadu, India", Water Environment Research , Vol. 85, Issue 7, pp. 587-595 (2013).
80. G.S.Dwarakish, Shetty Rakshith and Usha Natesan, " Review on Applications of Neural Network in Coastal Engineering", Ciit International Journal of Artificial Intelligent Systems and Machine Learning, Vol. 5, Issue 7, pp. 324-331 (2013).
81. AL.Muthulakshmi, Usha Natesan, K.Deepthi, Vincent A.Ferrer, V.P.Venugopalan and S.V.Narasimhan, " Assessment of Water Quality through Indices around Kalpakkam, Southeast Coast of India", Archives of Environmental Science, Vol. 7, pp. 23-32 (2013).
82. Viswanathan Srinivasan, Usha Natesan and Anitha Parthasarathy, " Seasonal Variability of Coastal Water Quality in Bay of Bengal and Palk Strait, Tamil Nadu, Southeast Coast of India", Brazilian Archives of Biology and Technology, Vol. 56, Issue 5, pp. 875-884 (2013).
83. Natesan Usha, M.Om Prakash and K.Deepthi, " Sediment Characteristics and Hydrodynamic Setting of Kanyakumari, South India", Disaster Advances, Vol. 6, Issue 9, pp. 69-76 (2013).
84. S.Viveganandan, C.Lakshumanan, M.Sundararajan, S.Eswaramoorthi and Usha Natesan, " Depositional Environment of Sediments along the Cuddalore Coast of Tamil Nadu, India", Indian Journal of Geo-Marine Sciences, Vol. 42, Issue 3, pp. 375-382 (2013).
85. K.Deepthi, Usha Natesan, AL.Muthulakshmi, Vincent A.Ferrer, V.P.Venugopalan and S.V.Narasimhan, " Geochemical Characteristics and Depositional Environment of Kalpakkam, Southeast Coast of India", Environmental Earth Sciences, Vol. 69, Issue 7, pp. 2357-2364 (2013).

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86. AL.Muthulakshmi, Usha Natesan, Vincent A Ferrer, K.Deepthi, V.P.Venugopalan and S.V. Narasimhan, " A Novel Technique to Monitor Thermal Discharges using Thermal Infrared Imaging", *Environmental Sciences: Processes and Impacts*, Vol. 15, Issue 9, pp. 1729-1734 (2013).
 87. Usha Natesan, " Monitoring the tannery effluent characteristics using remote sensing technique", *Asian Journal of Chemistry*, Vol. 25, Issue 7, pp. 3796-3798 (2013).
 88. Usha Natesan, N.Thulasiraman, K.Deepthi and K.Kathiravan, " Shoreline Change Analysis of Vedaranyam Coast, Tamil Nadu, India", *Environmental Monitoring and Assessment*, Vol. 185, Issue 6, pp. 5099-5109 (2013).
 89. Usha Natesan, " Organic Pollutant Levels in Sediments of Ennore, India", *Asian Journal of Chemistry*, Vol. 25, Issue 8, pp. 4409-4412 (2013).
 90. Usha Natesan, P.R.Rajalakshmi, M.V.Ramana Murthy and Vincent A.Ferrer, " Estimation of Wave Heights during Cyclonic Conditions using Wave Propagation Model", *Natural Hazards*, Vol. 69, Issue 3, pp. 1751-1766 (2013).
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 94. Shetty Rakshith, G.S.Dwarakish and Usha Natesan, " Tidal-Level Forecasting using Artificial Neural Networks along the West Coast of India", *Journal of Japan Society of Civil Engineers*, Vol. 2, Issue 1, pp. 176-187 (2014).
 95. G.Kalpna, Usha Natesan and Anitha Parthsarthy, " Use of Geographical Information System and Water Quality Index to Assess the Water Quality of Muttukadu Backwaters, South East Coast of India", *Nature Changes*, Vol. 1, Issue 1, pp. 8-14 (2014).
 96. Usha Natesan, R.Vishnunath and V.P.Venugopalan, " Thermographic Monitoring of Power Plant Outfalls", *Indian Nuclear Society News*, Vol. 11, Issue 1, pp. 32-35 (2014).
 97. Parthasarathy Anitha and Natesan Usha, " Assessment of Short Term Shoreline Changes along Tuticorin, Southeast Coast of India, using Geospatial Techniques", *Disaster Advances*, Vol. 7, Issue 7, pp. 1-7 (2014).
 98. K.Kathiravan, Usha Natesan and R.Vishnunath, " Monsoon Driven Seasonal Variations of Nearshore Waters of Palk Bay, Bay of Bengal, India", *Disaster Advances*, Vol. 7, Issue 5, pp. 56-66 (2014).

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99. Usha Natesan, P.R.Rajalakshmi, and Vincent A.Ferrer, " Shoreline Dynamics and Littoral Transport around the Tidal Inlet at Pulicat, Southeast Coast of India", *Continental Shelf Research*, Vol. 80, pp. 49-56 (2014).
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Papers Presented in Programmes

Research Papers Presented in International Programmes	: 52
Research Papers Presented in National Programmes	: 39

1. D.Sathish Kumar, Basanta Kumar Jena, Usha Natesan and K.M.Sivakholundu, "Nearshore Processes and Littoral Sediment Transport at an Open Beach along the North Tamil Nadu Coast" presented in a National level conference on 4th National Conference of Ocean Society of India (OSICON-15), organised by NIO, Goa, March 2015, India .
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 10. G.S.Dwarakish and Usha Natesan, "Integrated Approach for Sediment Dynamics of Mulki-Pavanje Rivermouth, Mangalore Coast, West Coast of India" presented in a National level conference on Proceedings of National Conference OSICON 2013, Role of Oceans in Earth System, organised by Indian Institute of Tropical Meteorology (IITM), Pune, November 2013, India .
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68. Usha Natesan, "GEOSAT derived monthly pressure distributions in the Arabian sea and Bay of Bengal" presented in a International level conference on Second Thematic Conference on Remote Sensing for Marine and Coastal Environments, organised by Environmental Research Institute of Michigan, New Orleans, February 1994, USA .
69. Usha Natesan, "Distribution pattern of significant wave height from GEOSAT Altimeter data near Tamilnadu Coast" presented in a International level conference on Ninth Thematic Conference on Geologic Remote sensing, organised by Environmental Research Institute of Michigan, February 1993, USA .
70. R.Krishnamoorthy, Usha Natesan and SP.Subramanian, "Wetlands and its interaction with watershed and coastal morphology: A case study of Indian Coastal wetlands through remote Sensing" presented in a International level conference on IV International Wetlands Conference, organised by INTECOL Wetland Working Group (WWG), Ohio, September 1992, USA .
71. Usha Natesan and SP.Subramanian, "Oceanic capabilities of GEOSAT Altimeter sensor" presented in a International level conference on Sixth Australasian Remote Sensing Conference, organised by Australasian Society, Wellington, November 1992, New Zealand .
72. Usha Natesan and SP.Subramanian, "Interrelation between wave height and wave period An observation from GEOSAT" presented in a International level conference on Sixth Australasian Remote Sensing Conference, organised by Australasian Society, Wellington, November 1992, New Zealand .
73. Usha Natesan and SP.Subramanian, "Study of the ocean parameters of southern India from space" presented in a International level conference on Sixth Australasian Remote Sensing Conference, organised by Australasian Society, Wellington, November 1992, New Zealand .
74. Usha Natesan and SP.Subramanian, "Comparison of wind speeds over Arabian Sea and Bay of Bengal from Geosat Altimeter data" presented in a International level conference on International Society of Offshore and Polar Engineering Conference, organised by ISOPE, Edinburgh, August 1991, UK .

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75. K.Usha, SM.Ramasamy and SP.Subramanian, "Fracture pattern modelling for groundwater targeting A study aided by remote sensing technique" presented in a International level conference on International Groundwater Conference, organised by National Geophysical Research Institute (NGRI), Hyderabad, February 1989, India .
 76. G.S.Dwarakish and Usha Natesan, "Coastal erosion and mitigation measures along Mangalore Coast. Southwest Coast of India" presented in a National level seminar on National Seminar on Coastal Environments & their Management, organised by National Institute of Technology Karnataka (NITK), Mangalore, January 2013, India .
 77. Rajamohan, R., Venugopalan, V. P. and Usha Natesan, "Chlorine Dioxide as Antifouling Biocide Results In Reduced Trihalomethane Levels In Condenser Discharges of A Coastal Power Plant" presented in a National level workshop on Workshop Cum National Symposium on Environment(NSE - 18), organised by Jawaharlal Nehru Technological University, Anantapur, March 2013, India .
 78. M.Sundararajan, Usha Natesan, S.Srinivasalu, C.Lakshumanan and P.Krishnakumar, "Statistical analysis of the Geochemical evolution of surface sediments along Point Calimer, Southeast Coast of India" presented in a International level conference on Humbolt Kolleg and International Conference Recent Advancements in Earth Resources Research: The road to the Future (Earth Future), organised by Periyar University, Salem, September 2011, India .
 79. R.Sandhya, Usha Natesan, M.Ravichandran and S.Siva Reddy, "Effect of river discharge on Ocean dynamics" presented in a National level conference on National Conference on Environmental challenges towards Sustainability, ECS 11, organised by Government College of Technology, Coimbatore, March 2011, India .
 80. V.Amala, Usha Natesan, M.Ravichandran and Neethu Chacko, "Interannual and Seasonal Variability of Productivity in Bay of Bengal" presented in a National level conference on National Conference on Environmental challenges towards Sustainability, ECS 11, organised by Government College of Technology, Coimbatore, March 2011, India .
 81. D.Jaishree and Usha Natesan, "Assessment of Pollution through BOD & DO In Ennore Creek" presented in a National level conference on National Conference on Environmental challenges towards Sustainability, ECS 11, organised by Government College of Technology, Coimbatore, March 2011, India .
 82. Usha Natesan and Arun Babu, "Heavy metal pollutant dispersion pattern along Ennore Creek using MIKE 21" presented in a National level conference on National Conference on Emerging Trends in Civil Engineering (NCONET 2011), organised by Kalasalingam University, Krishnankoil, March 2011, India .
 83. V.Rajagopalan, Usha Natesan and G.Venkatesan, "The pattern of seasonal sediment transport mechanisms around Arichamunai by sediment trend matrix (STM)" presented in a International level conference on Ninth International Conference on Hydro Science and Engineering ICHE 2010, organised by IIT Madras, Chennai, August 2010, India .
 84. G.S.Dwarakish, Usha Natesan, M.Arun Kamath and V.M.Varun, "Coastal Sediment Dynamics around Netravathi-Gurpur River Mouth through Integrated Approach" presented in a International level conference on Ninth International Conference on Hydro Science and Engineering ICHE 2010, organised by IIT Madras, Chennai, August 2010, India .

85. Amruth Karjigi, K.N.Mohan Kumar, Gumageri Nagaraj, M.Arun Kamath, V.M.Varun, G.S.Dwarakish and Usha Natesan, "Beach Morphological Characteristics and Coastal Processes along Dakshina Kannada Coast, West Coast of India" presented in a International level conference on Ninth International Conference on Hydro Science and Engineering ICHE 2010, organised by IIT Madras, Chennai, August 2010, India .
86. Gumageri Nagaraj, Amruth Karjigi, K.N.Mohan Kumar, G.S.Dwarakish and Usha Natesan, "Sediment Characteristics of Dakshina Kannada Coast, West Coast of India" presented in a International level conference on International Conference on Earth Sciences and Engineering ICEE 2010, organised by CAFET-INNOVA Technical Society (CITS), Hyderabad, August 2010, India .
87. Amruth Karjigi, K.N.Mohan Kumar, Gumageri Nagaraj, V.M.Varun, M.Arun Kamath, G.S.Dwarakish and Usha Natesan, "A study on Variations in the Sediment Dynamics along the Dakshina Kannada Coast, West Coast of India" presented in a National level conference on National Conference on Coastal Processes, Resources and Management, organised by National Centre for Earth Science Studies, Thiruvananthapuram, February 2010, India .
88. G.S.Dwarakish, Usha Natesan, S.A.Vinay and B.Jagadeesha Pai, "Erosion-Accretion Rate and Morphological Changes along Undivided D.K. Coast Using RS, GIS and GPS" presented in a National level conference on National conference on Sustainable Water Resources Management SWaRM 2010, organised by National Institute of Technology Karnataka (NITK), Surathkal, January 2010, India .
89. Usha Natesan, K.Deepthi and B.Ranga Rama Seshan, "Numerical simulations for hydrodynamics of Kalpakkam" presented in a National level conference on Hydro 09, organised by CWPRS, Pune, December 2009, India .
90. V.M.Varun, M.Arun Kamath, G.S.Dwarakish, B.Jagadeesha Pai and Usha Natesan, "Land Use Land Cover Change Detection Using Digital Image Processing" presented in a National level conference on 24th Indian Engineering Congress, organised by National Institute of Technology (NITK), Surathkal, December 2009, India .
91. C.Kurian, U.Natesan and K.H.V.Durga Rao, "Necessity of Flood Early Warning Systems in India" presented in a International level conference on American Geophysical Union Fall Meeting 2014, organised by AGU, December 2014, San Francisco, USA from 15-Dec-2014 to 19-Dec-2014.

Books Published

1. "Qualitative Remote Sensing of Suspended Sediment Content, Coral Reef and Chlorophyll Concentration in Gulf of Mannar in Remote Sensing Applications an" authored by R.Krishnamoorthy, Usha Natesan, S.Ramachandran and R.Natarajan and published by Tata McGraw-Hill Publishing Company Ltd.,New Delhi.(1992)
2. "Mapping the Suspended Sediment Concentration in Coastal Waters through Satellite Remote Sensing - A Case Study of Tamil Nadu and Northern Srilanka Coa" authored by Usha Natesan, R.Krishnamoorthy, R.Ramesh and R.Natarjan and published by Tata McGraw-Hill Publishing Company Ltd.,New Delhi.(1992)

3. "Solid Waste Management using GIS for Chennai City in Applications of GIS, GPS and Remote Sensing in Urban Infrastructure Planning and Management" authored by Usha Natesan and E.S.M.Suresh and published by SCITECH Publications (India) Pvt. Ltd., Chennai.(2004)
4. "GIS: A Solution Provider for Municipal Waste Disposal of Chennai City in Geo Spatial Technology for Development Planning" authored by Usha Natesan and E.S.M.Suresh and published by Allied Publishers Pvt Ltd., Chennai.(2005)
5. "Environmental Damages of Tsunami in Tsunami: The Indian Context" authored by Usha Natesan and published by Allied Publishers, New Delhi.(2005)
6. "Tsunami Induced Water Quality Changes in Buckingham Canal, Chennai Region, India in Geomatics in Tsunami" authored by Usha Natesan and S.Kalaivani and published by New India Publishing Agency, New Delhi.(2006)
7. "Optimal Routing Plan for Solid Waste collection - A Case Study of Chennai City in Application of Geomatics in Urban Transportation Planning and Manage" authored by Usha Natesan and E.S.M.Suresh and published by Charulatha Publications, Chennai.(2008)
8. "Assessment of Water Quality using Multivariate Statistical Analysis in the Gharaso River, Northern Iran in Urban Ecology, Water Quality and Climate Ch" authored by Yones Khaledian, Soheila Ebrahimi, Usha Natesan, and Nabee Basatnia, Behroz Behtari Nejad, Hamed Bagmoh and published by Springer International Publishing AG, Switzerland.(2018)
9. "Tsunami Impacts on Vedaranyam, India" authored by Usha Natesan and published by Kindle Direct Publishing, United States of America.(2020)
10. "Impacts of Coastal Pollution on Biodiversity at Ennore, India" authored by Usha Natesan and published by Lambert Academic Publishing, Germany.(2020)
11. "Characterization of atmospheric mercury in the high-altitude background station and coastal urban city in South Asia in Air Quality"authored by K.Manikanda Bharath,S.Srinivasalu and Usha Natesan and published by Intechopen Ltd., London.(2020)
12. "Wave Climate and Sediment Transport Modelling along Coromandel Coast" authored by Usha Natesan and published by Lambert Academic Publishing, Germany.(2020)
13. "Risk Assessment for the Tuticorin Coast, India" authored by Usha Natesan and published by Eliva Press, Europe.(2020)

Sponsored Projects Completed

1. "Wave Modelling for North Indian Ocean Using SAR and MIKE 21" (March-2013 - September-2015). Project Cost: 1633000.00.
2. "Modelling of Coastal and nearshore Dynamics around Dhanushkodi using Field Data and MIKE 21" (May-2010 - May-2013). Project Cost: 6954000.00.
3. "Risk Assessment for the Coastline and Coastal Resources along Tuticorin using Remote Sensing and GIS Techniques" (August-2010 - June-2014). Project Cost: 2554000.00.

4. "Impacts of Coastal Pollution on Biodiversity at Ennore, India" (July-2004 - November-2005). Project Cost: 387000.00.
5. "Modelling of Sediment Transport along Kalpakkam Coast and its Implications on Sand Bar Dynamics and Thermal Dispersion" (February-2009 - March-2012). Project Cost: 6532000.00.
6. "Prediction of Oceanic Dispersion of Radionuclides Released from MAPS into the Coastal waters of Kalpakkam" (October-2005 - October-2008). Project Cost: 1200000.00.
7. "An Environmental and Ecological Assessment of Coastal Waters of Kalpakkam" (August-2005 - August-2008). Project Cost: 1680000.00.
8. "Monitoring and Database Management of the waterways of Chennai City" (December-2004 - December-2005). Project Cost: 1690000.00.
9. "Mapping of Areas of Inundation for Vedaranyam - Nagai District" (March-2005 - September-2005). Project Cost: 460000.00.
10. "Integrated CZM and Ecological evaluation of Vedaranyam Coast using Remote Sensing and GIS" (February-2003 - February-2005). Project Cost: 484000.00.
11. "Prediction of Offshore and Nearshore Wave Climate and Sediment Transport along the East Coast of India Using MSMR" (January-2002 - January-2006). Project Cost: 750000.00.
12. "Ecosystem Modelling for Vedaranyam" (November-2002 - May-2005). Project Cost: 3806000.00.
13. "Modelling Groundwater Pollution due to Solid waste Dumping at Perungudi" (July-2002 - July-2003). Project Cost: 449000.00.
14. "Coastal Processes Off Mangalore Coast through an Integrated Approach".. Project Cost: 500000.00.
15. "Coastal Ecosystems and Degradation of Vedaranyam Coast of Tamilnadu" (September-1999 - March-2000). Project Cost: 35000.00.
16. "Impacts of anthropogenic intervention of degraded Adyar Creek".. Project Cost: 6000000.00.
17. "EIA for Desalination plant for Venkatesh Coke".. Project Cost: 200000.00.
18. "Damage Assessment for Noyyal and Amaravathi Rivers".. Project Cost: 1300000.00.
19. "EIA for Hazardous Waste Incineration Facility".. Project Cost: 900000.00.
20. "Environmental and Social Assessment for Golf resort".. Project Cost: 300000.00.
21. "Preparation of Zoning Atlas for Chingleput District based on Environmental consideration".. Project Cost: 384000.00.
22. "Development of a Standardised Thermal Infrared Imaging Technique for Monitoring Temperature Distribution at Power Plant Outfall Sites" (June-2014 - December-2015). Project Cost: 4600000.00.

Programme Chaired

1. Chairman, International level conference titled "8th International Congress on Climate Change" conducted by Bharathidasan University, Tiruchirappalli, 2013.
2. Chairman, National level seminar titled "UGC-SAP Sponsored National Seminar on GIS Developments: Methodologies, Prospects and Applications and Special Workshop on GIS based Modelling and WebGIS" conducted by University of Madras, Chennai, 2004.
3. Chairman, National level seminar titled "National Seminar on Applications of GIS for Rural Development" conducted by Technical Teachers Training Institute (TTTI), Chennai, 2003.
4. Chairman, International level conference titled "International Conference on Hazardous Waste Management" conducted by Anna University, Chennai, 2000.
5. Chairman, International level conference titled "6th International Conference on Marine Waste Water Discharges and Coastal Environment (MWWD 2010)" conducted by MWWD, Langkawi, Malaysia.
6. Chairman, International level conference titled "International Conference on Water Resources, Coastal and Ocean Engineering 2015" conducted by National Institute of Technology Karnataka (NITK), Surathkal.
7. Chairman, National level conference titled "DHI Solutions Seminar on MIKE User Group Meeting" conducted by DHI, New Delhi, 2010.

Programme Organized

1. International level conference.

Special Representations

1. Research Advisor in Asia-Pacific Science Center (APACSCI), Singapore, 2020
2. Academic Advisory Board Member in Cyberjaya Skill International College(CYSIC), Malaysia, 2020
3. Organizing Committee Member in International Conference on Oceanography, Miami, 2013
4. Advisory Board Member in Marine Tech Summit (MTS 2010), Dalian, China, 2010
5. Presiding Officer, ICC, 2017-2020 in AICTE
6. Chairperson of the 136th BoG in NITTTR, Bhopal
7. State Steering Committee Member, PMKVY, 2017 in AICTE
8. Member, BoG, 2016 - 2019 in NITTTR, Bhopal
9. State Fee Regulatory Committee Member, NCR, 2017 in AICTE

10. Member, Reviewing the function of University, 2016 in UGC
11. Member for reviewing the projects, 2013 in Board of Research in Nuclear Sciences (BRNS)
12. Member, New Pan India Programme on STEMM, 2019 in Ministry of Science and Technology
13. Reviewer for evaluation of proposals, 2017-2020 in Shastri Indo-Canadian Institute, New Delhi
14. Member for the award of Foreign Degrees, 2018 in UGC
15. Academic Advisory Board Member in 3G Institute of Research and Policy Studies, Chennai, 2020
16. Working Group Member for STIP 2020 in Ministry of Science and Technology
17. Member of the Board of Governors, 2019-2020 in NITTTR, Chennai
18. Member, Innovation, Technology Devpt. Policy 2019 in Ministry of Science and Technology
19. Member, Open Distance Learning/Online Edn, 2019 in UGC
20. Programme Advisory&Monitoring Committee 2018-2021 in Ministry of Science and Technology
21. UGC-CARE Member, 2018 - 2020 in UGC
22. Member, Assessment of an University, 2017 in UGC
23. Guest of Honour at ICWRCOE 2015 in National Institute of Technology Karnataka (NITK), Surathkal
24. Syndicate Member, 2012 in Anna University, Chennai

Honours

1. "2nd Rank in M.Tech. Remote Sensing" given by Anna University, Chennai from India (1988).
2. "Japanese Government Schola" given by Ministry of Human Resource Development (MHRD) from India (1990).
3. "Tamil Nadu Young Women Scientist Award" given by Science City, Government of Tamil Nadu from India (2002).
4. "Young Scientist Project Award " given by International Foundation for Science (IFS) from Sweden (2004).
5. "Active Researcher Award" given by Anna University, Chennai from India (2012).
6. "National Geospatial Award for Excellence " given by Indian Society of Remote Sensing (ISRS) from India (2014).
7. "Limca Book of Records" given by Limca Book of Records from India (2014).

8. "Prof.U.C.Kothiyari Best Ph.D. Thesis Award" given by Indian Society for Hydraulics (ISH) from India (2014).
9. "UGC-BSR One Time Grant " given by University Grants Commission (UGC) from India (2015).
10. "Best Paper Award" given by National Institute of Technology Karnataka (NITK), Surathkal from India (2015).
11. "Eminent Engineer Award " given by Institution of Engineers (India from India (2016).
12. "Award for Excellence in Research" given by Education Expo TV Companies Rating System (EET CRS) from India (2016).
13. "TEC Best Women Achiever Award " given by Tagore Engineering Coll from India (2016).
14. "Honorary Fellowship" given by Indian Society of Technical Education (ISTE) from India (2019).

Experience Abroad

1. Germany from 08-Dec-2000 to 17-Dec-2000. Purpose of visit :Training on Groundwater Modelling.
2. Visited DHI, Denmark from 06-Sep-2010 to 10-Sep-2010. Purpose of visit :To attend International MIKE by DHI ConferencModelling in a World of Change between 6th and 8th followed by training in MIKE 21 on 9th and 10th.
3. Visited ASBPA, USA from 12-Oct-2010 to 15-Oct-2010. Purpose of visit :To attend ASBPA 2010 National Coastal Conference: "Celebrating the diversity of the coast".
4. Malaysia from 24-Oct-2010 to 29-Oct-2010. Purpose of visit :To attend 6th International Conference on Marine Waste Water Discharges and Coastal Environment .
5. Visited AOGS - AGU , Singapore from 13-Aug-2012 to 18-Aug-2012. Purpose of visit :To attend AOGS - AGU (WPGM) Joint Assembly 2012.
6. Visited India Education Exhibition, Dubai and Abu Dhubai from 29-Jan-2014 to 02-Feb-2014. Purpose of visit :Member of Anna University Pavilion.
7. Visited NAFSA 2018, Philadelphia, USA from 27-May-2018 to 01-Jun-2018. Purpose of visit :Member of the India Pavilion.
8. Visited Lincoln University College, Kuala Lumpur, Malaysia from 25-Sep-2019 to 27-Sep-2019. Purpose of visit :To receive D.Litt. Degree.

Invited Lectures

1. Delivered a Lecture on "Remote Sensing for Oceanographic Studies " in Refresher Course on Remote Sensing Application on Environment organized by Bharathidasan University, Tiruchirappalli, 1991.

2. Delivered a Lecture on "Integrated Coastal Zone Management through Remote Sensing and GIS (Environmental Aspects)" in ISRO and AICTE-ISTE Refresher Course on Engineering Applications of Remote Sensing and GIS organized by National Institute of Technology Karnataka (NITK), Surathkal, 2002.
3. Delivered a Lecture on "Role of Remote Sensing in Coastal Management" in Short Term Course on Coastal Zone Management organized by IIT Madras, Chennai, 2003.
4. Delivered a Lecture on "GIS Applications for Environmental Studies" in Chaired a Technical Session and delivered a Lecture in the National Seminar on Applications of GIS f organized by Technical Teachers Training Institute (TTTI), Chennai, 2003.
5. Delivered a Lecture on "Zoning Atlas, Environmental Management Plan (EMP) for Industrial Estate Planning" in Training Programme on Pollution Monitoring, Assessment and Control organized by National Productivity Council, Chennai, 2003.
6. Delivered a Lecture on "Usage of GIS and Remote Sensing Software, Networks in Environmental Mapping" in Training Programme on Pollution Monitoring, Assessment and Control organized by National Productivity Council, Chennai, 2003.
7. Delivered a Lecture on "Basic Concepts of Remote Sensing" in GIS Training Programme organized by Integrated Coastal and Marine Area Management, Chennai, 2003.
8. Delivered a Lecture on "GIS and Remote Sensing as applied to Environment" in Workshop on Environmental Studies organized by Meenakshi College for Women, Chennai, 2004.
9. Delivered a Lecture on "GIS Applications for Environmental Studies" in UGC-SAP Sponsored National Seminar on GIS Developments: Methodologies, Prospects and Applications an organized by University of Madras, Chennai, 2004.
10. Delivered a Lecture on "Remote Sensing and GIS Applications for Environmental and Coastal Engineering" organized by National Institute of Technology Karnataka (NITK), Surathkal, 2004.
11. Delivered a Lecture on "Marine Surveying" in AICTE-ISTE Short Term Training Programme for Engineering College Teachers on Modern Surveying and Co organized by National Institute of Technical Teachers Training , Chennai, 2004.
12. Delivered a Lecture on "Remote Sensing Applications for Environmental Studies" organized by Lady Willington Institute of Advanced Study in Edu, Chennai, 2004.
13. Delivered a Lecture on "Assessment of Groundwater Quantity and Quality using Remote Sensing and GIS Techniques" in Workshop on Water Resources and Pollution Control organized by Jerusalem College of Engineering, Chennai, 2004.
14. Delivered a Lecture on "Hazardous Waste Management" in ISRO and AICTE-ISTE Refresher Course on Engineering Applications of Remote Sensing and GIS organized by National Institute of Technology Karnataka (NITK), Surathkal, 2002.
15. Delivered a Lecture on "Remote Sensing and GIS in Environment Management" in National Natural Resources Management System (NNRMS) Training Course on Remote Sensing and Geoinform organized by Bharathidasan University, Tiruchirappalli, 2001.

16. Delivered a Lecture on "Remote Sensing Applications to Coastal Studies" in National Natural Resources Management System (NNRMS) Training Programme on Remote Sensing and GIS Ap organized by Anna University, Chennai, 2001.
17. Delivered a Lecture on "Principles of Remote Sensing" organized by Anna University, Chennai, 1995.
18. Delivered a Lecture on "Remote Sensing Applications for Marine Studies" in National Natural Resources Management System (NNRMS) User Awareness Programme on Remote Sensing Appl organized by Anna University, Chennai, 1998.
19. Delivered a Lecture on "Application of GIS in Environmental Pollution Control" in Short Course on Environmental Awareness and Pollution Monitoring for Teachers of Polytechnics from T organized by Technical Teachers Training Institute (TTTI), Chennai, 1999.
20. Delivered a Lecture on "Digital Processing" in Short Course on GIS and Project Management organized by Technical Teachers Training Institute (TTTI), Chennai, 1999.
21. Delivered a Lecture on "Remote Sensing Applications to Coastal Sedimentation Studies" in UNESCO Regional Training Programme on Remote Sensing Applications to Geology organized by Anna University, Chennai, 1999.
22. Delivered a Lecture on "Remote Sensing Applications for Coastal Zone Management" in UNESCO Regional Training Programme on Remote Sensing Applications to Geology organized by Anna University, Chennai, 1999.
23. Delivered a Lecture on "Strategies for Long-Term Environmental Monitoring and Surveillance - GIS" in Training Programme on Environmental Epidemiology organized by Tamil Nadu Pollution Control Board, Chennai, 2000.
24. Delivered a Lecture on "Remote Sensing Applications to Coastal Sedimentation Studies" in Indian Space Research Organisation (ISRO) Training Programme on Remote Sensing and GIS Applications organized by Anna University, Chennai, 2000.
25. Delivered a Lecture on "Site Selection for Hazardous Waste Disposal using Geographic Information System" in International Conference on Hazardous Waste Management organized by Anna University, Chennai, 2000.
26. Delivered a Lecture on "Microwave Applications" in Training Programme on Remote Sensing and GIS Applications to Coastal Zone Management organized by Anna University, Chennai, 2001.
27. Delivered a Lecture on "Remote Sensing Applications for Coastal Management" in Training Programme organized by Department of Ocean Development, Chennai, 2001.
28. Delivered a Lecture on "Strategies for Long Term Environmental Monitoring and Surveillance - GIS" in National Technical Training Workshop on Environmental Epidemiology organized by Sri Ramachandra Medical College and Research Insti, Chennai, 2001.
29. Delivered a Lecture on "Remote Sensing and GIS in Marine and Environmental Studies" organized by SRM Engineering College, Chennai, 2005.

30. Delivered a Lecture on "Coastal Application using GIS and Remote Sensing " in National Natural Resources Management System (NNRMS) Training Programme on Remote Sensing and GIS Ap organized by Anna University, Chennai, 2005.
31. Delivered a Lecture on "Remote Sensing and GIS Applications for Disaster Management" in Short Term Programme on Disaster Management organized by University of Madras, Chennai, 2012.
32. Delivered a Lecture on "Wetland Monitoring and Management" in Workshop on Mangrove and Wetland Ecosystems organized by University of Madras, Chennai, 2012.
33. Delivered a Lecture on "Water Quality Monitoring and Modelling" in National Workshop on Integrated Coastal Zone Management and Planning for Tamil Nadu organized by IIT Madras, Chennai, 2012.
34. Delivered a Lecture on "Remote Sensing and GIS Applications for Water Resources Management" in MoES-UGC Sponsored National Level Short Term Training Programme on Water Resource Development and Ma organized by Periyar University, Salem, 2013.
35. Delivered a Lecture on "Study of Coastal Processes along Tamil Nadu using Space Technology and Numerical Modelling" organized by 8th International Congress on Climate Change, Bhar, Tiruchirappalli, 2013.
36. Delivered a Lecture on "GIS Applications for Coastal Engineering" in Workshop on Geoinformatics for Water and Coastal Engineering organized by National Institute of Technology Karnataka (NITK), Surathkal, 2013.
37. Delivered a Lecture on "Funded Research Projects - Avenues " organized by PSNA College of Engineering and Technology, Dindugal, 2013.
38. Delivered a Lecture on "Funded Research Projects - Avenues " organized by KCG College of Technology, Chennai, 2013.
39. Delivered a Lecture on "Remote Sensing Applications in Marine Studies" in National Conference on Frontier Applications in Civil and Environmental Engineering organized by Coimbatore Institute of Technology (CIT), Coimbatore, 2014.
40. Delivered a Lecture on "Research Methodology" in Workshop on Research Methodology organized by Anna University, Chennai, 2014.
41. Delivered a Lecture on "Remote Sensing and GIS Applications in Marine Studies" in International Conference on Water Resources, Coastal and Ocean Engineering (ICWRCOE 2015) organized by National Institute of Technology Karnataka (NITK), Surathkal, 2015.
42. Delivered a Lecture on "Thermal Discharge Monitoring with the help of Infrared Imagery" in Theme Meeting on Cooling Water Treatment for Biofouling Control organized by Indira Gandhi Centre for Atomic Research (IGCAR), , Chennai, 2015.
43. Delivered a Lecture on "Water Quality Assessment and Management" in Short Term Course on Water Quality and Management organized by IIT Madras, Chennai, 2011.

44. Delivered a Lecture on "Climate Change Vulnerability and Response Strategies for the Coastal Zone of Kanyakumari, Southeast India" in 6th International Conference on Marine Waste Water Discharges and Coastal Environment (MWWD 2010) organized by MWWD, Langkawi, Malaysia, 2010.
45. Delivered a Lecture on "Remote Sensing and GIS Applications for Coastal Studies " in Workshop on Coastal Environments organized by University of Madras, Chennai, 2010.
46. Delivered a Lecture on "Effects of Tsunami on Coastal Tamil Nadu" in National Workshop on Indian Ocean Tsunami: Its Impact Assessment and Lessons for Future organized by Anna University, Chennai, 2006.
47. Delivered a Lecture on "Remote Sensing Applications in Solving Environmental Problem" organized by Institution of Engineers (India), Chennai, 2006.
48. Delivered a Lecture on "Research Needs in GIS based Environment Management" in Advanced Training Programme on Applications of Geomatics in Urban Environment Management organized by St. Peters College, Chennai, 2006.
49. Delivered a Lecture on "GIS Applications in Environment Management - Case Studies " in Advanced Training Programme on Applications of Geomatics in Urban Environment Management organized by St. Peters College, Chennai, 2006.
50. Delivered a Lecture on "Data Base Creation and GIS" in Policy Workshop on Chennai Waterways - Past, Present and Future organized by Anna University, Chennai, 2006.
51. Delivered a Lecture on "Integrated Coastal Zone Management Planning for Tamil Nadu Coast, East Coast of India" in National Workshop on Integrated Coastal Zone Management Plan organized by National Institute of Technology Karnataka (NITK), Surathkal, 2007.
52. Delivered a Lecture on "GIS as a Decision-Making Tool in Environmental Management" in National Workshop on Application of GIS, GPS and Remote Sensing in Environmental Management organized by R.M.K.Engineering College, Chennai, 2008.
53. Delivered a Lecture on "Remote Sensing" organized by Institution of Engineers (India), Chennai, 2008.
54. Delivered a Lecture on "Integrated Coastal Zone Management Planning: Concepts and Issues" in AICTE-MHRD Winter School on Geoinformatics for Integrated Coastal Zone Management Planning organized by National Institute of Technology Karnataka (NITK), Surathkal, 2009.
55. Delivered a Lecture on "Wetland Monitoring and Management" in AICTE-MHRD Summer School on Geoinformatics for Integrated River Basin Development organized by National Institute of Technology Karnataka (NITK), Surathkal, 2009.
56. Delivered a Lecture on "Remote Sensing and GIS Applications in Marine Studies" in Brain Storming Workshop on Environmental Sustainability of Brackishwater Aquaculture organized by Central Institute of Brackishwater Aquaculture, Chennai, 2009.
57. Delivered a Lecture on "MIKE 21 Modelling for Coastal and Ocean Applications" in DHI Solutions Seminar on MIKE User Group Meeting organized by DHI, New Delhi, 2010.

58. Delivered a Lecture on "Rear Admiral T B Bose Memorial Lecture" in 30th National Convention of Marine Engineers organized by Institution of Engineers (India) (IEI), Hosur, 2016.