



Brief CV

Dr. Prashanthi Devi Marimuthu

Professor

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ACADEMIC PREPARATION

Ph.D. Environmental Sciences, Bharathiar University, Coimbatore, India (2006)

Thesis: "GIS for Epidemic Malaria -Integration of Spatial Analysis and Modelling: A Case Study of Salem District, India"

Defence Research and Development Organisation Junior Research Fellowship

M.Phil. Environmental Sciences, Bharathiar University, Coimbatore, India (2002)

Dissertation: "Identification and Monitoring of the Environmental factors associated with Vector – Borne disease (Malaria) transmission using GIS/RS"

M.Sc. Environmental Sciences, Bharathiar University, Coimbatore, India (2000)

Dissertation: "Generation of hydrological database for Bhavani Sagar catchment area using GIS"

RESEARCH INTEREST

Public health, Environmental Exposure Assessment using Spatial Statistics and GIS and RS tools, Environmental factors for disease transmission through GIS/RS techniques, Waste Management and Biomining

NO OF STUDENTS UNDER GUIDANCE

Degree	Under Guidance	Completed
Ph.D	FT- 2 PT-17	
M Phil.,	-	1
M Sc	5 65	
MBA	48	-
External project guidance		12

RESEARCH PROJECTS UNDERTAKEN

As Principal Investigator – 3 (UGC, Planet Action, RUSA 2.0)

As Co-Investigator – 3 (DRDO, UGC, TANSCHÉ)

AWARDS

Eminent Scientist Award - for Contribution in Environmental Science and Management – International Conference on Global Challenges of Food and Agriculture : Future Trends (GCFA-2023) – Thanthai Roever Institute of Agriculture and Rural Development, Perambalur- 18 March 2023

PUBLICATIONS

Total Impact Factor – 67.1551 h-index- 12 i10 index- 14 Citations-473

Books –6

As Chapters in Books -8

Journal articles – 53 Proceedings Full Papers- 32

RESOURCE PERSON AND PARTICIPATION

Resource Person – 75 Papers presented in Seminars/Conference/Symposium -12

Seminars/Conference/Symposium attended-34 Courses/workshops/Trainings /FDP attended - 24

ORGANIZER/CONVENOR/COORDINATOR

Seminar/ Workshop organized -6 Programmes Convened/Coordinated- 2

OTHER RESPONSIBILITIES

Reviewer of Journals -10

Editorial responsibility -5

Member -BOS in Environmental Science/Management- PSG CAS, Bharathiar University, JSS University, Kumbakonam Govts Arts College, DESM, Bharathidasan University

Doctoral Advisory Committee Member- JSS University, Periyar University, Bharathiar University, VIT

Ph D Thesis evaluated: 7

PhD Public Viva Voce Examination conducted: 6

DETAILED CV

RESEARCH EXPERIENCE

Positions

Bharathidasan University

Professor-Department of Environmental Science and Management, School of Environmental Sciences from Jul 2023 onwards

Associate Professor-Department of Environmental Science and Management, School of Environmental Sciences from Jul 2020 onwards

Assistant Professor-Department of Environmental Management, School of Environmental Sciences from Oct 2009 till Jul 2020

Lecturer-Department of Environmental Management, School of Environmental Sciences from Jun 2008 till Oct 2009

BU-DRDO Center for Life Sciences

Research Fellow – 2006-2008-Environmental Management Division – RS and GIS for Epidemiology

DRDO Projects, Ministry of Defence, Govt. of India

Research Fellow – 2005-2006 - DRL project on "*Environmental factors and vegetation indices for monitoring malarial vector habitat using Hyperspectral image processing techniques in GIS*"

Research Fellow – 2002 - 2003 – DIPAS project on "*Anthropometric Reference database for the Recruitment of Indian women Pilots and for the design of personal equipment -Phase II*"

Research Fellow – 2000 - 2001 – AR&DB project on "*Anthropometric Reference database for the Recruitment of Indian women Pilots and for the design of personal equipment -Phase I*"

NO OF STUDENTS UNDER GUIDANCE

Degree	Under Guidance	Completed
Ph.D	FT- 2 PT-17	
M Phil.,		1
M Sc	5 17	
MBA	-48	
External project guidance		10

Details of Doctoral Research Students awarded Doctor of Philosophy (Ph.D) under my Guidance

Name of The Candidate	Title of the Thesis	Year of Award of Degree
Mr.Dilip Kumar Jha (PT)	Comparative Environmental Evaluation of Water Quality in Coastal bays of Andaman Islands using Spatial Approaches	2014
Ms. K. Manjula Menon (DST WOS)	Ecology of Bird Communities in relation to Urbanisation Trends	2014
Ms.R.Vidyalakshmi (UGC MRP Fellow)	Assessment and Monitoring of Environmental Quality of Drinking Water Supplied to Primary Schools in Tiruchirappalli, Tamil Nadu: A Spatial Modelling Approach	2016
Ms.B.Brindha (RGN Fellow)	Spatial Epidemiology and Environmental Assessment of Sick Cell Disease and Influence of Socio-Economic Factors Among the Tribal Populace of the Nilgiri District, Tamil Nadu	2019
Ms.Janani Selvaraj (UGC MRP Fellow)	Modelling and Evaluation of Cancer in Tamil Nadu using GIS	2019
Mr.R.Kannan (PT)	Acoustic investigation of shallow water marine life forms towards conservation	30 July 2021
Mr.Krupa Ratnam	An Assessment of Environmental Characteristics	17 March 2023

(PT)	of Swarnamukhi River Estuary and Surrounding Coast, Nellore, Andhra Pradesh	
Mr.A.Rajeev Joseph (PT)	Solid waste management and its implications in and around Trichy Dumpyard	
Ms.Kavya Siddeshwar DST Inspire Fellow	Environmental monitoring and people's perception towards Waste Management Policy	
Ms.Roshy Ann Mathews (RUSA Project fellow)	Impact of surface water PPCPs on Human Health	

RESEARCH PROJECTS UNDERTAKEN

Principal Investigator

- Assessing drinking water quality in schools of Tiruchirappalli region and mapping of common flu and diarrhea among school children, funded by UGC Rs.8,06,300/- (2010-2013)
- Influence of Climate Change on the Avian Diversity of Coastal Wetlands of Tamil Nadu, India sponsored by Planet Action (2009-2010)
- Spatial Environmental Assessment of Pharmaceutical and Personal Care Products (PPCP) in river and surface waters and its impact on human health- funded by RUSA 2.0, Bharathidasan University

Co-Investigator

- Fuzzy logic, Bayesian Network and Intelligence Technology for Avalanche Risk Assessment linking with GIS funded by DRDO- Snow and Avalanche Study Establishment, Ministry of Defence, Chandigarh to DRDO BU Center for Life Sciences – Rs.9,90,000/- (Jun 2009-Dec 2010)
- Exploration of Cancer in Western Tamilnadu using Geotechnical methods in GIS, funded by UGC Rs.10,08,800/- (2012-2015)
- TANSCH Project No. RGP/2019-20/BDU/HECP-0074; dated 27 April 2021 on "Development of Integrated Recirculating Marine Aquaponics System for the Sustained Aqua-Agriculture Production: A New Avenue to Enhance the Rural Livelihood" Rs.65.31/- (2020-2023)

SEMINAR/ WORKSHOPS ORGANISED

- ❖ National Seminar on "Spatial Strategies for Sustainable Management-SSSM 2011" sponsored by DRDO and Bharathidasan University, 14-16th February 2011
- ❖ Post Seminar Workshop on " Spatial Techniques for Environmental Sustainability" 17th – 18th February, 2011
- ❖ National Seminar on "Integrated Waste Management and Energy Recovery-IWMER 2015" sponsored by Bharathidasan University, 12th February 2015
- ❖ National Seminar on "Environmental Issues: Remedial measures for Sustainable Future" March 24-26 2022, to be organized on the Sub Theme on Biological Approaches for Environmental Sustainability " March 25th 2022 sponsored by RUSA 2.0 Bharathidasan University
- ❖ Coordinator of the UGC-Sponsored Ninth Online Faculty Induction Programme conducted by UGC-HRDC, Bharathidasan University during 01.06.2022-30.06.2022
- ❖ DST STUTI sponsored National Level Training Program on "Marine Bioresources and Pollutant Biomarkers" organised by School of Environmental Sciences and School of Marine Sciences, Bharathidasan University, Tiruchirappalli and JSS Academy of Higher Education and Research, Mysore from 13th to 19th October, 2022
- ❖ DST STUTI sponsored National Level Training Program on "Environmental Monitoring Using Advanced Analytical and Molecular Tools" organised by School of Environmental Sciences and School of Marine Sciences, Bharathidasan University, Tiruchirappalli and National Institute of Technology, Warangal from 9th to 15th November, 2022

- ❖ Convenor (Local) XLVI Indian Social Science Congress, Bharathidasan University | 27th - 31st January, 2023, Thematic Panel: Ecological and Environmental Protection Movement., Bharathidasan University, Tiruchirappalli

FACULTY PARTICIPATION

- 62nd Orientation Programme, UGC Academic Staff College, Bharathidasan University - 3-30th November, 2009
- DST NRDMs sponsored Refresher course / Summer Training program on Geospatial techniques and its applications, Department of Geography, Bharathidasan University, Tiruchirappalli, 04-30, May 2012
- UGC HRDC sponsored Refresher Course in Environmental Studies at UGC-HRC center, Bharathiar University Coimbatore, 04-24- Jul 2018
- SNMV College of Arts Science Institute of Management, Coimbatore- 7 days Faculty Development Programme - 08th -15th Jun 2020.
- Indian Institute of Remote Sensing (IIRS), ISRO Dehradun, Remote Sensing & GIS Technology and Applications for University Teachers & Government Officials- 13 Jun 2020 to 1st Jul 2020
- WWF India- ENVIS under MoEFCC -One Week Online GIS Training on Basic of GIS-17th-22nd Aug 2020
- Institute of Ocean Management, Anna University - 21st October to 1st November, 2002 - "Applications of GIS and Remote Sensing to Coastal Zone Management"
- ESRI-NIIT GIS, Chennai -20th and 21st November, 2002 -"Training program on ARCVIEW GIS"
- Bharathiar University - ERDAS (India) Ltd - 5th to 7th September, 2003 - "Introduction of ERDAS Imagine 8.5"
- ESRI-NIIT GIS, Chennai- 12th to 14th May, 2004 - "Working with ARCVIEW SPATIAL ANALYST"
- Indian Geoinformatics Center, Chennai- 17th -21st Dec, 2007- "Arc GIS 9.2"

WORKSHOPS ATTENDED

National Workshop on Environmental Status of Rivers in Tamil Nadu, March 1999, Bharathiar University, Coimbatore.

National Workshop on Environmental Awareness on Quality Management of Irrigation Water, February 2000, Bharathiar University, Coimbatore.

University of Madras, Chennai - 18th December, 2003 - *GIS and IT Tools for Information Sharing in Planning and Environmental Management.*

Workshop on "Restoration of Noyyal River Basin" Bharathiar University, 28th March, 2005, Coimbatore

Osmania University, Hyderabad - 24th - 25th December, 2005 -*Hotspot Geoinformatics*

National Workshop on "Sustainable Production and Consumption" Department of Environmental Management, Bharathidasan University, 12th -14th March, 2009, Tiruchirappalli

National Institute of Epidemiology, Chennai-6th- 8th September, 2010- *Workshop on Geographic Information System and Public Health: Practice of Good Mapping*

National Workshop on High Performance Liquid Phase Separation Technique- 23, Jan, 2015, Department of Marine Biotechnology, Bharathidasan University

One Day workshop on qPCR - 4 May 2015, Department of Environmental Biotechnology, Bharathidasan University

Environmental Awareness Training Programme, 21-01-2017, Wildlife and Environmental Trust- WET, at Point Calimere Wildlife and Bird Sanctuary

National Workshop on Environmental Health and Safety Management- 9-10, March, 2017, Department of Environmental Management, Bharathidasan University

Participated in the Presymposium Workshop on Open Source Tools and Techniques on 30 June 2017- Geospatial Public Health Symposium, ASCI, Hyderabad

Participated in the online training on "Geospatial Technologies for Disaster Management" from 23 Aug 2022 to 25 Aug 2022 organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with Bharathidasan University

INTERNATIONAL VISITS

Countries visited - Thailand, Malaysia, Hong Kong, S.Korea

Awards for Foreign Visits

Department of Science and Technology, (DST), INDIA – Travel Grant -2005

Bharathiar University 'Young Scholars Scheme' for the year 2005 towards Travel

RESOURCE PERSON

1. Department of Forestry, Government of Tamil Nadu and Hill Area Development Programme - 16th to 17 February, 2004 - **Awareness Camp on Forestry and Wildlife**-Melur Hosatty Village of Udthagamandalam for High School students
2. Bharathiar University – 24th Oct to 7th Nov 2004 " AICTE sponsored training on Geographical Information Systems and Remote Sensing for Civil Engineers" (Practical sessions)
3. Bharathiar University – 21st June to 3rd July, 2006 - "ISRO NNRMS sponsored training programme on RS and GIS for Environmental Management" (Practical sessions)
4. Vellalar College for Women, Erode-10th and 11th January 2007- BIONUT 07- Plenary Lecture on **"Health Geographics: Malaria Detection and Control using GIS"** for a Two Day National Level Seminar on 'Health Sciences in Current Scenario'
5. Air Force Administration College, Coimbatore-8th March 2007- Guest Lecture on **"Introduction to Remote Sensing and GIS"**
6. Government College of Technology, Coimbatore, Department of Technical Education (TEQIP) sponsored Faculty Development programme on GIS and Remote Sensing Applications in Engineering and Sciences- 14th – 27th May, 2007 Invited Lecture on **"GIS for Health Engineering and Management"**
7. Tamil University, Thanjavur, Department of Industries and Earth Sciences National Conference on Water and Mineral Resources Information and Environmental Impact Analysis using High resolution Satellite Imageries in the 21st Century" 21-22 march, 2008 Invited lecture on **"GIS for water resources: A case study of Fluoride in Ground water of Dharmapuri district"**
8. Air Force Administration College, Coimbatore- March 2008- Guest Lecture on **"Remote Sensing for Meteorological Studies"**
9. BU DRDO CLS, Bharathiar University – 21st Apr to 4th May, 2008 - "AICTE Sponsored Training Programme GIS Techniques for Environmental Governance, Urban Management & Rural Development"
10. UGC Academic Staff College, Bharathiar University- Refresher Course-30th August, 2008- **"Applications of Remote Sensing and GIS to Life Sciences"**
11. Pusan National University, Busan, South Korea-Department of Electrical Engineering-Sensors, Imaging and Information Technology Research Center-29th Sep 2008-**"Hyperpectral Sensors"**
12. Korea Maritime University, Busan, South Korea-Department of Civil and Environmental Engineering – 30th Sep 2008-**"Introduction to Remote Sensing and GIS"**
13. Pusan National University, Busan, South Korea-Department of Electrical Engineering-Sensors, Imaging and Information Technology Research Center-1st Oct 2008-**"Sensors for the New Era"**
14. UGC Academic Staff College, Bharathidasan University- Refresher Course-10th Oct, 2008- **"Introduction to Remote Sensing and GIS: Applications to the Environmental Concern"**

15. PSGR Krishnammal College for Women- Guest Lecture-28th Jul, 2008- "**Remote Sensing and GIS Applications to Life Sciences**"
16. Air Force Administration College, Coimbatore- 16th December 2009- Resource person for V SERC School on Aviation Meteorology "**Aviation Weather Hazards: Concepts and Modelling**"- **Climate change –a Global threat: Can remote Sensing help?**
17. Fathima College, Madurai - 8th January 2010- Invited Speaker for National Seminar on Glimpses of multidimensional advancements in Physics- "**Remote Sensing and GIS: A Physicist's Approach**"
18. BU DRDO CLS, Bharathiar University – 20th May, 2010 - ISRO Sponsored Training Programme on Applications of Atmospheric Science and Remote Sensing in Environmental Management- "**GIS and Remote Sensing for Environmental Planning**"
19. BU DRDO CLS, Bharathiar University – 21st May, 2010 - ISRO Sponsored Training Programme on Applications of Atmospheric Science and Remote Sensing in Environmental Management- "**Digital Image processing and Interpretation**"
20. Department of Botany, Catholicate College- July 28-30, 2010- Invited Speaker for National Seminar on Water Pollution and Control Measures- "**Water Pollution induced health problems: a Geographical Analysis of Trichy region**"
21. UGC Academic Staff College, Bharathidasan University- Refresher Course- Nov 22, 2010- "**Environment and Health**"
22. **Dr.M.Prashanthi Devi**- Invited Speaker – "**Spatial Statistics and Health data Modelling**"18 Aug 2012, DST-NNRMS Sponsored Training programme on Geospatial Technology and Application – JSS Medical University, Mysore
23. UGC Academic Staff College, Bharathidasan University- Orientation Programme- 07-Dec, 2012- "**Environmental Awareness through GIS**"
24. PG and Research Department of Zoology, Jamal Mohammed College (Autonomous) – March 7th 2013 – Invited Speaker for National College Conference on Current Challenges in The Environment – "**Environmental Pollution and Radiation Effects on Remote Sensing: A Global Concern**"
25. Department of Civil engineering, BIT campus, Anna University Regional Center, Tiruchirapalli- 8th October, 2013 - TEQIP Sponsored workshop on Application of GIS in Civil Engineering- "**Health infrastructure management using GIS**"
26. **Dr.M.Prashanthi Devi**- Invited Speaker – "**Geographic Information Systems-An overview**"04 Aug 2014, DST-NNRMS Sponsored Training programme on Geospatial Technology and Applications – JSS Medical University, Mysore
27. **Dr.M.Prashanthi Devi**- Invited Speaker – "**Spatial Statistics Approaches to Health**"05 Aug 2014, DST-NNRMS Sponsored Training programme on Geospatial Technology and Applications – JSS Medical University, Mysore
28. **Dr.M.Prashanthi Devi**- Invited Speaker – "**GIS for Environment and Health: The Need**"08 Aug 2014, UGC Sponsored National Seminar on " Trends in Environmental Resource Management – Nirmala College for Women, Coimbatore
29. **Dr.M.Prashanthi Devi**- Invited Speaker – "**Radiation Effects on Health**"09 Aug 2014, Department of Zoology – PSGR Krishnammal College for Women, Coimbatore
30. **Dr.M.Prashanthi Devi**- Invited Speaker – "**GIS Opportunities- to give and to use**" 23 Aug 2014, DST-NNRMS Sponsored Training programme on Geospatial Technology and Applications – JSS Medical University, Mysore
31. **Dr.M.Prashanthi Devi** – Invited Speaker - **Data Interpretation and Integration in Remote Sensing and GIS and Spatial Jobs** at the ISRO Sponsored Two Days National Seminar on "Research Challenges in Space Science and Remote Sensing" on 24 April 2015 at Sethu Institute of Technology, Virudhunagar, Tamil Nadu.
32. **Dr.M.Prashanthi Devi**- Special Guest -**Our Right To Conserve And Preserve** -Ecoclub Awareness talk- Montfort School Trichy-21st October 2016

33. **Dr.M.Prashanthi Devi-** Invited Speaker – **“GIS : An introduction and its pathway for Environmental Management”**28 Jan 2017, Department of Botany – PSGR Krishnammal College for Women, Coimbatore
34. **Dr.M.Prashanthi Devi-** Resource Person – **“Health Hazards and Preventive Measures”**26 April 2017, Staff Development Programme on Recent Technologies for Environmental Management, Department of Environmental and Herbal Sciences – Tamil University, Thanjavur
35. **Dr.M.Prashanthi Devi-** Resource Person – **“Disease Modelling using R and GIS”**30 June 2017, Presymposium Workshop on Open Source Tools and Techniques – Administrative Staff College of India, Hyderabad.
36. **Dr.M.Prashanthi Devi-** Invited Speaker – **“ Human Health and Environmental Exposure Assessment: Tools for Decision Making-** International Conference on Environment, Health and Policy Nexus (ICEHPN2017), 27-28 July 2017, Department of Water and Health, JSS University, Mysuru, India
37. **Dr.M.Prashanthi Devi-** Resource Person – **“ Image interpretation” - Predictive Analytics of Environmental Changes in Remote Sensing,**22.01.2018, Department of Computer Science, PSGR Krishnammal College for Women, Coimbatore
38. **Dr.M.Prashanthi Devi-** Invited Speaker – **“ Remote Sensing and GIS for Life Sciences-**22-02-2018, Watson and Crick Club of PG and Research Department of Biotechnology and Bioinformatics, Holy Cross College (Autonomous), Trichy India
39. **Dr.M.Prashanthi Devi-** Resource Person – **“ Environmental Exposure and Health-** 31-07-2018, Inauguration of Biotechnology Association, PG and Research Department of Biotechnology, Selvam Arts and Science College (Autonomous), Namakkal, India
40. **Dr.PrashanthiDevi.M** - Resource person - **New Tools to Meet New Challenges: Emerging Technologies for Environmental Management** - International Seminar on the Frontiers in Life and Chemical Sciences on 19.09.2018 organised by Vellalar College, Erode.
41. **Dr.PrashanthiDevi.M** acted as a Resource person for the week long Anti Plastic Campaign at Bharathidasan University- 09.10.2018 and 11.10.2018.
42. **Dr.PrashanthiDevi.M** - Resource person - **Emerging Technologies for Sustainable Resources Management - Two day National Seminar** on "Recent Trends in Environmental Engineering and Management (RTEEM-2019), Department of Civil Engineering, UKF College of Engineering and Kollam, Kerala - 15 and 16, February 2019.
43. **Dr.PrashanthiDevi.M** - Resource person - **Àç„öþÄi ÅçÅ°iÅö** - NSS camp organized by Bishop Heber College at Rasipuram village towards uplifting GAJA affected regions-04-03-2019
44. **Dr.M.Prashanthi Devi-** Resource Person- Delivered a lecture on **Remote sensing and GIS for Environmental Health-** One day National workshop on Popularization of Remote sensing and GIS in remote Areas- Organised by the Department of Geography, Bharathidasan University, Tiruchirappalli - 27.07.2019
45. **Dr.M.Prashanthi Devi-** Resource Person - One day Seminar on Biodiversity and Impact of Wastes on Marine and Mangrove Ecosystem- Delivered a lecture on **“Impact of wastes on Coastal and Marine habitats: Environmental Governance approaches”** Department of Zoology, Seethalakshmi Ramasamy College, Tiruchirappalli- 19-12-2019
46. **Dr.M.Prashanthi Devi-** Resource Person – National Workshop on Biosciences: An Avenue for Better Tomorrow- Delivered a lecture on **“ Wastes and the Environment: Where do we stand?”** Department of Microbiology, KandaswamiKandar’s College, Velur, Namakkal-09.01.2020
47. **Dr.M.Prashanthi Devi-** Resource Person – One day Webinar on COVID 19- Lessons for Environmental Sustainability and Opportunities for Innovative Models- delivered a talk on **“COVID 19 : The Hourglass perception towards Environment and Health”** organized by BECH, Bharathidasan University, Tiruchirappalli—14-May-2020
48. **Dr.M.Prashanthi Devi-** Resource Person – One day Webinar on World Environmental Day- Environment Challenges and Control- delivered a talk on **“New Tools to Meet New Challenges: Emerging Technologies for Environmental Management”** organized by Babu Banarasi Das Engineering College, Lucknow—5-Jun-2020
49. **Dr.M.Prashanthi Devi-** Resource Person – One week Faculty Development Programme titled "Remote Sensing and GIS Application in Sustainable Environmental Management"- delivered a

talk on “**RS and GIS in Pollution impact assessment**” organized by Department of Civil Engineering, BIT campus, Anna University, Trichy –08 Aug 2020

50. **Dr.M.Prashanthi Devi**- Resource Person – One week short term training programme on "Applications of Remote Sensing in Soil and Groundwater Contamination Assessment"- delivered a talk on “**Spatial Analysis of Environmental Factors for Health**” organized by Department of Civil Engineering and Technology, Sri Krishna College of Engineering and Technology, Coimbatore (7th to 12th Sep 2020)—12 Sep 2020
51. **Dr.M.Prashanthi Devi**- Resource Person – Induction programme for first year students - delivered a talk on “**Our Right to Conserve and Preserve**” organized by Department of Pharmaceutical Technology, BIT campus, Anna University, Trichy –16 Nov 2020
52. **Dr.M.Prashanthi Devi**- Chief Guest – Inauguration of Nature Club - delivered the inaugural address on “**Creating Environmental Responsibility through Education**” organized by Department of Education, B Ed First Year, Holy Cross College, Trichy –18 Jan 2021
53. **Dr.M.Prashanthi Devi**- Resource Person-UGC-Sponsored Online Refresher Course in Environmental Sciences (Multidisciplinary)- delivered a lecture on **GIS Applications in Environmental Management** organized by UGC-Human Resource Development Centre, Bharathidasan University, Tiruchirappalli- 02 Mar 2021
54. **Dr.M.Prashanthi Devi** -Resource Person for the UGC-Sponsored Online Refresher Course in Environmental Sciences (Multidisciplinary) conducted by the UGC-Human Resource Development Centre, Bharathidasan University, Tiruchirappalli -Evaluation of Participants’ Seminar Presentations, 06.03.2021
55. **Dr.M.Prashanthi Devi**- Resource Person-Webinar Series on AR6 Climate change 2021- The Physical Science Basis (UN’s IPCC Report 2021)- 4th webinar Theme on **Community Resilience Building for Climate Change Adaptation**- delivered a lecture on Technological inputs for analyzing climate change - organized by National Institute of Disaster Management, Govt of India, Hindustan College of Arts and Science, Chennai- 21 Oct 2021
56. **Dr.M.Prashanthi Devi**- Judge and Resource Person-Youth Awakening day Celebration - organized by Department of Marine Biotechnology, Bharathidasan University, Tiruchirappalli- 22 Oct 2021
57. **Dr.M.Prashanthi Devi**- Resource Person-AICTE Sponsored One Week STTP Programme on Disaster Risk Management (online) (DRM) Phase III, Dept of Civil Engineering, Anna University, Tiruchirappalli (13.12.2021 to 18.12.2021) delivered a lecture on “**Disaster Risk Mitigation: Mainstreaming Technologies**” on 17.12.2021
58. **Dr.M.Prashanthi Devi**- Resource Person-AICTE Sponsored One Week STTP Programme on Disaster Risk Management (online) (DRM) Phase III, Dept of Civil Engineering, Anna University, Tiruchirappalli (13.12.2021 to 18.12.2021) delivered a lecture on “**Environmental Stability During and Post Disaster: Lessons for Effective Management**” on 18.12.2021
59. **Dr.M.Prashanthi Devi**- Resource Person -Faculty Development Programme, a Two week online Refresher Course in Zoology conducted by PSGR Krishnammal College for Women, Coimbatore in collaboration with Teaching Learning Centre, Ramanujam College, University of Delhi delivered a video Lecture on **Remote Sensing and GIS for Environmental Health**, 15 - 29 December, 2021
60. **Dr.M.Prashanthi Devi**- Resource Person -Faculty Development Programme, a Two week online Refresher Course in Zoology conducted by PSGR Krishnammal College for Women, Coimbatore in collaboration with Teaching Learning Centre, Ramanujam College, University of Delhi delivered a video Lecture on **Climate Change and Community Responses: Technologies for Alternate Decision Making**, 15 - 29 December, 2021
61. **Dr.M.Prashanthi Devi**- Resource Person –ICSSR Sponsored Two Days National Seminar on Global Ecological Crisis, Covid pandemic Issues and rehabilitation Measures through Knowledge management approaches for inclusive Sustainable Development” organized by Department of Commerce, St.Josephs College, Tiruchirappalli, during 14.02.2022 to 15.02.2022. Delivered a Lecture on **Ecological Crisis and Covid Pandemic Issues at the Global Scale: Challenges and Issues** (14.02.2022)
62. **Dr.M.Prashanthi Devi**- Resource Person –Virtual Conference on Impact of Global Warming on Environment and Biodiversity” organized by Department of Environmental and Herbal Science, Tamil University, Thanjavur during 23.02.2022 to 24.02.2022. Delivered a Lecture on **Climate Change and Environmental Impacts** (23.02.2022)

63. **Dr.M.Prashanthi Devi-** Resource Person –World Water Day observation organized by the Green Society, Department of Zoology, Vellalar College for Women, Thindal, Erode on19.03.2022. Delivered a Lecture on“**Water Crisis and the Role of Women in Water Conservation**”
64. **Dr.M.Prashanthi Devi-** Resource Person –World Forestry Day observation organized by Muneer Meet Club, Department of Marine Biotechnology, Bharathidasan University, Trichy on21.03.2022. Delivered a Lecture on“**Importance of Forests for Sustainability**”
65. **Dr.M.Prashanthi Devi-** Chief Guest andResource Person –State Level Workshop “Production and Formulation of Bioinoculants” organized by the Department of Microbiology, Jamal Mohammed College, Trichy on31.03.2022. Delivered the Inaugural Address.
66. **Dr.M.Prashanthi Devi-** Resource Person –RUSA 2.0 Sponsored National Workshop on GIS and Applications organized by the Department of Geography, Bharathidasan University, Trichy from 18.04.2022 to 22.04.2022. Delivered a lecture on “Spatial derivatives for Environmental Health Assessment and Exposure Modelling” on 21.04.2022.
67. **Dr.M.Prashanthi Devi** -Resource Person for the UGC-Sponsored Tenth Online Faculty Induction Programme conducted by the UGC-Human Resource Development Centre, Bharathidasan University, Tiruchirappalli -Evaluation of Participants’ Seminar Presentations, 25.06.2022
68. **Dr.M.Prashanthi Devi** -Resource Person - ICSSR sponsored National Seminar on SUSTAINABLE ENVIRONMENT: ISSUES AND CHALLENGES TOWARDS FUTURE PERSPECTIVE, Department of Population Studies, Annamalai University, Tamil Nadu, during 29th and 30th September, 2022. Delivered a lecture on Rurbanisation: Concepts for Sustainable Living on 29.09.2022.
69. **Dr.M.Prashanthi Devi-** Chairperson- National Conference on Recent Trends in Microbial Biotechnology- RTMBT-2023 - on 24.02.2023 organized by the Department of Marine Biotechnology, Bharathidasan University. Tiruchirappalli
70. **Dr.M.Prashanthi Devi-** Resource person-Faculty development Programme on AI tools for everybody- 26.09.2023 organized by the Department of Data Science, Bishop Heber College, Tiruchirappalli. Delivered a lecture on Environmental Issues and AI
71. **Dr.M.Prashanthi Devi-** Resource person-Awareness programme on Waste Management-05.10.2023 organized by the Green Society Club, Vellalar College for Women, Erode-12. Delivered a lecture on Students initiated Campus Waste Management.
72. **Dr.M.Prashanthi Devi-** Resource person-National Seminar on Environment and Wellbeing-06.10.2023 organized by the Department of Social Sciences, Tamil University, Thanjavur. Delivered a lecture on Current Environmental Issues.
73. **Dr.M.Prashanthi Devi-** Invited Speaker- National Seminar on Biosustainability: Concerns and Challenges on December 12th and 13th, 2023- organized by the Department of Botany and Biodiversity Club, Vimala College (Autonomous), Thrissur, Kerala. Delivered a lecture on Environmental Health and Sustainability: Is Biodiversity an Integral Component or a barrier? on12.12.2023.
74. **Dr.M.Prashanthi Devi-** Invited Speaker- National Seminar on Biosustainability: Concerns and Challenges on December 12th and 13th, 2023- organized by the Department of Botany and Biodiversity Club, Vimala College (Autonomous), Thrissur, Kerala. Delivered a lecture on Environmental Health and Sustainability: Is Biodiversity an Integral Component or a barrier? on12.12.2023.
75. **Dr.M.Prashanthi Devi-** Resource person- Faculty Development Programme (FDP) on “Healthy Practices for Sustainable Environment, Economy, and Society” from 19.02.2024 to 23.02.2024organised by the Department of Environmental Sciences, Periyar University, Salem. Delivered a talk on Environment, Health and Sustainability: Concerns and Solutions on 20 Feb 2024.

REVIEWER/ REFREE FOR NATIONAL AND INTERNATIONAL JOURNALS

- *International Journal of Remote Sensing, Taylor and Francis*
- *Spatial and Spatio-temporal Epidemiology, Elsevier*
- *Water Science and Technology*
- *Water, Air, & Soil Pollution*
- *The Journal of Forestry Research*

- *International Journal of Biodiversity and Conservation*
- *World Applied Science Journal*
- *Journal Materials & Environment science*
- *Journal of Civil Engineering and Construction Technology*
- *Water Quality, Exposure and Health*

MEMBERSHIP IN PROFESSIONAL BODIES

Associate Guest Editor- Frontiers in Marine Sciences, Elsevier

Member- Editorial Advisory Board- Journal of Geomatics and Geosciences, Integrated Publishing Association

Member Editorial Board- Journal of Ecology and Environmental Sciences.

Member -**Editorial cum Advisory Board**- Current World Environment Journal, An International Research Journal of Environmental Science

Editor of Special issue on "Integrated Waste management and Energy Recovery" Journal of Ecology and Environmental Sciences, Research and Reviews Dec 2015

MEMBER BOARD OF STUDIES

- PG Environmental Sciences and PGDIP, PSG College of Arts and Sciences, Coimbatore Dec 2022- till now
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- MSc Environmental Science and Sustainable Management, Department of Environmental Science and Management, Bharathidasan University April 2019 – till date
- MBA Environmental Management, Department of Environmental Management, Bharathidasan University Jun 2008 – Jun 2020
- M.Phil., Environmental Management, Department of Environmental Management, Bharathidasan University Jun 2008 till now
- M.Sc., Geoinformatics, JSS University Mysore 2012- 2013
- Environmental Sciences, Bharathidasan University 2010 -2014
- Bharathidasan University Representative for BBA, Kumbakonam Govts Arts College Feb 2018- Feb 2024

PUBLICATIONS

Total Impact Factor – 67.1551 h-index- 12i10 index- 14 Citations-472

Books

1. **Edited: Strategies and Tools for Pollutant Mitigation: Avenues to a cleaner Environment**, March 2021, Edited by J.Arvind, M.Kamaraj, M.Prashanthi and S.Rajakumar, Springer Publications ISBN 978-3-030-63574-9
2. **Edited: Bioremediation and Green Technologies: Sustainable Approaches to Mitigate Environmental Impacts**, April 2021, Edited by Marimuthu Prashanthi Devi, Rajakumar Sundaram, Aravind Jeyaseelan and Thamaraiselvi Kaliannan for Springer pub. Inc. Switzerland ISBN 978-3-030-64122-1
3. **Authored:** Prashanthi Devi Marimuthu and Brindha Balan, 2017, **Status and Management of Sickle Cell Disease among Nilgiri Tribes**, Lambert Academic Publishing, Germany, **ISBN:** 978-3-659-81381-8
4. **Edited:** "Bioremediation and sustainable environmental technologies for cleaner environment" 2017, Edited by Marimuthu Prashanthi Devi, Rajakumar Sundaram, Aravind Jeyaseelan and Thamaraiselvi Kaliannan published by Springer pub. Inc. Switzerland ISBN 978-3-319-48438-9 (e book) 978-3-319-48438-9 (Hard cover)
5. **Edited**"Integrated Waste Management in India: Status and future prospects for environmental sustainability"April 2016, Edited by Marimuthu Prashanthi Devi and Rajakumar Sundaram published by Springer pub. Inc. Switzerland.eBook ISBN 978-3-319-27228-3; Hardcover ISBN 978-3-319-27226-9 Series ISSN 1431-6250

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Acute Gastroenteritis in Coimbatore District, Tamilnadu, India, Indian Journal of Public Health Research & Development. July-September 2014, Vol. 5, No. 3, 296-301

21. Dr. P. B. Harathi, Janani Selvaraj, Dr. **M. Prashanthi Devi**, Dr. S. Valarmathi, Dr. S. Balasubramanian, Spatial Analysis of Cancer Incidences to Identify Risk Areas and Hot Spots: a Case Study in the Western Regions of Tamil Nadu, India International Journal of Scientific Research, Vol : 3, Issue : 7 pp 27-30 July 2014 J.DOI:10.1533/22778179 (**I.F. 1.8651**)
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23. Pawlin Vasanthi Joseph, Brindha B, Vidyalakshmi R, **Prashanthi Devi**, Balasubramanian S (2014) Probability Mapping to determine the spatial risk pattern of Acute Gastroenteritis in Coimbatore District Using GIS, Indian Journal of Community Medicine July-September 201540(3):145-206
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60. Kavya Siddeshwar¹, Mihigo Felix¹, Janani Selvaraj¹, Shivaraju.H.P² and Prashanthi Devi.M¹ 2018, Deriving short term benefits through proper waste management and public attitude towards waste derived economy, Two days international conference on "Impact of Global Atmosphere Changes on Natural Resources (IGACNR) Organized by Department of Civil Engineering, UVCE, Bangalore University, 19th& 20th November 2018, Bangalore University
61. Kavya P Siddeshwar and M. Prashanthi Devi, Swachh Bharat: Mission Possible or Impossible National conference on "Clean India: The role of community-based organizations (CBOS) and Corporate Social responsibilities (CSRs)" B. Basavalingappa Institute for Development Studies (B-BIDS) and Centre for Rural Development Studies (CRDS), Bangalore University on 8th& 9th December 2018
62. Kavya P.Siddeshwar, Prashanthi Devi M, Rajeev Joseph and Mihigo Felix,2019An analysis of pre and post scenario implementation of plastic ban among Indian respondents: A case study of Tiruchirappalli region, 5th joint international conference on Environmental Sciences and Climate change: accomplishments, plans and challenges & 13th international congress on climate change, territorial classification, and socio-economic crisis from 11-15 November 2019 ICCS-SEC 2019, Organized by Department of Geology, Applied Geology and Sociology University of Madras, Chennai, TN, India and Centre for interdisciplinary studies on Environment and Development (CIEMAD), National Polytechnic Institute, Mexico
63. Roshy Ann Mathews, Poojashree V M, Prakash E, Prashanthi Devi M.,(2022) Identification of Risk Zones of Single Use Face Mask Derived Contaminants- A case Study of Tiruchirappalli Region, International Conference on Environmental Sustainability and Biotechnology: Opportunities and Challenges, 16th to 19th November 2022.Organized by Department of Microbiology, Ponda Education Society, Government College of Arts, Science and Commerce, Khandola, Goa and Society for Environmental Sustainability, Lucknow.
64. Roshy Ann Mathews, and Prashanthi Devi M.,Detection of Sulphates from PPCP Sources in Surface waters of Tiruchirappalli Region, (2023), XLVI Indian Social Science Congress, Bharathidasan University | 27th - 31st January, 2023 Under Research Committee: Ecological and Environmental Science.
65. Roshy Ann Mathews, Liya Therese A J, Dhanakumar S and Prashanthi Devi M, (2023), Synthesis of Cost-Effective and Biodegradable Super Absorbent Sanitary napkins using Weed Plants, XLVI Indian Social Science Congress, Bharathidasan University | 27th - 31st January, 2023, Under Thematic Panel: Ecological and Environmental Protection Movement.
66. Roshy Ann Mathews, Poojashree V M, Prakash E, Prashanthi Devi M, Assessment of Usage and Disposal pattern of Sanitizer in Urban Environment, (2023), DST-SERB sponsored 2nd International Conference on Emerging Contaminants in Water and Environment (ECWE - 2023) Workshop - February 20, 2023 Conference - February 21 and 22, 2023
67. Kavya P. Siddeshwar and Prashanthi Devi M, 2023, SWACHH BHARAT AND SOCIO - ENVIRONMENTAL HEALTH OF SANITARY WORKERS IN MYSURU, Indian Social Science Congress ISSC - 27th to 31st January 2023, Bharathidasan University, Tiruchirappalli
68. Kavya P. Siddeshwar and Prashanthi Devi M, 2023, IMPACT OF PRE AND POST-SCENARIO IMPLEMENTATION OF PLASTIC BAN AMONG RESIDENTS OF TIRUCHIRAPPALLI REGION, Indian Social Science Congress ISSC - 27th to 31st January 2023, Bharathidasan University, Tiruchirappalli
69. Janani Selvaraj and Prashanthi Devi.M, 2023, Combining remote sensing and social sensing for measuring urban development, XLVI Indian Social Science Congress, Bharathidasan University | 27th - 31st January, 2023, Under Thematic Panel: Ecological and Environmental Protection Movement.

Scholarly Presentations

1. "Time Series Analysis: Use of Spectral Technique to Detect the Trend of Diastolic and Systolic Blood Pressure". December 1-3, 2000. 52nd Indian Pharmaceutical Congress, Hyderabad
2. "Use of Remote Sensing and GIS for Monitoring the Environmental Factors Associated with Vector-Borne Disease (Malaria)" December 15 – 18, 2003. Third International Conference on Environment and Health: Urban Planning and Environmental Management for Human Health, Chennai
3. "Anthropometric Reference Database for the Recruitment of Indian Women Pilots and Design of personal equipments" Project Presentation to *His Excellency Dr.A.P.J.Abdul Kalam , President of India*, during the Inauguration of DRDO-BU Center for Life Sciences at Bharathiar University, Coimbatore on 7th July 2005.
4. "Anthropometric Reference Database for the Recruitment of Indian Women Pilots and Design of personal equipment's" Project Presentation to Dr.M.Natarajan, *the Scientific Advisor to Raksha Mantri* at Bharathiar University, Coimbatore on 17th Sep 2005.
5. "Environmental factors and vegetation indices for monitoring malarial vector habitat using Hyperspectral image processing techniques in GIS" Project Presentation to Dr.M.Natarajan, *the Scientific Advisor to Raksha Mantri* at Bharathiar University, Coimbatore on 17th Sep 2005.
6. "Seasonal Effects of Climatic Factors on Epidemic Malaria in Salem District, India: A Statistical Modeling Approach using GIS" 1-2ndDecember, 2005. First International Symposium on Health GIS, Montein Riverside Hotel, Bangkok, Thailand.
7. "Analysis of Spatial variation of Malaria in Salem District, India: Integration of Spatial Statistics and Geographical Information Systems" 9-10th March, 2006, Sixth International Conference on Asian GIS,UniversitiTeknologi Malaysia, Skudai, Malaysia
8. "Socio-Demographic Determinants of Malaria in Highly Infected Rural Areas: Regional Influential Assessment using GIS" 2006, 27th June -29th June 2006, International Conference in GIS and Public Health: Geospatial Research and Application Frontiers in Environmental and Public Health Systems(GRAFEPHS), University of Hong Kong, Eaton Hotel, Hong Kong.
9. "Application of Remote Sensing and Geographical Information System for Water Resource Management" National Conference on Water and Wastewater Management, 24th -25th August 2006, Environmental Research Center, JJ College of Engineering and Technology, Tiruchirapalli, India in lieu of Dr.S.Balasubramanian.
10. "Spatial Proximity of Household Malaria Cases and Environmental Factors for Disease Epidemics using Point Pattern Analysis" **The 7th Asia GIS Conference, Asia GIS 2008, September26-27, 2008, Busan, S. Korea**
11. "Spatial Modelling using Satellite air quality data and it's association with respiratory cancers for Western Tamil Nadu, India" at the two days International Conference on Impact of Global Atmospheric Changes on Natural Resources (IGACNR) organised by the Department of Civil Engineering, UVCE , Bangalore University on 19th and 20th, November 2018.
12. Janani Selvaraj and Prashanthi Devi.M, 2023, Combining remote sensing and social sensing for measuring urban development, XLVI Indian Social Science Congress, Bharathidasan University | 27th - 31st January, 2023, Under Thematic Panel: Ecological and Environmental Protection Movement.

SEMINARS/CONFERENCES/SYMPOSIA ATTENDED

In India

1. National Seminar on Genetics, Health and Disease, March 2000, Bharathiar University, Coimbatore.
2. National Seminar on Genetics, Health and Disease, March 2000, Bharathiar University, Coimbatore.
3. Geoinformatics 2000, November 2000, PSG college of Technology, Coimbatore
4. 52nd Indian Pharmaceutical Congress, December 1-3, 2000, Hyderabad.
5. National Seminar on Use of Poor Quality Water and Sugar Industrial Effluents in Agriculture, ADAC&RI, 5th February, 2001, Trichy.

6. National Seminar on Management of Problem Soils for Sustainable Agriculture, ADAC&RI, November 2001, Trichy.
7. National Seminar on Current Environmental Issues- ECOVISION 2003, Bharathiar University, 5th March, 2003, Coimbatore.
8. National Seminar on Recent Trends in Environmental activities on protection of Water Resources- ENVOCARE 2003, Government College of Technology, 12th March 2003, Coimbatore.
9. National Seminar on Environmental Management, Bharathiar University, 27th March, 2003, Coimbatore.
10. Third International Conference on Environment and Health: Urban Planning and Environmental Management for Human Health. December 15 – 18, 2003. The University of Madras, Chennai
11. National Seminar on Frontiers in Environmental Sciences and Engineering in India, Bharathiar University, 15-17thSep, 2003, Coimbatore.
12. National Conference on Water and Wastewater Management, 24th-25th August 2006, Environmental Research Center, JJ College of Engineering and Technology, Tiruchirappalli, India.
13. National Seminar on 'Health Sciences in Current Scenario" BIONUT 07-10th and 11th January 2007. Vellalar College for Women, Erode
14. One day International Symposium on Structural Bioinformatics – Structure and Functions of macromolecules- BIOFEST '08- 12th January 2008, Department of Biochemistry and Bioinformatics, Sri Ramakrishna Arts and Science College for Women, Coimbatore
15. National Seminar on "Emerging Issues in Biodiversity Management" 8th – 9th March, 2009, Department of Environmental Management, Bharathidasan University, Trichy
16. International Seminar on Climate Change and Sustainable Resources Management- 25th – 26th February, 2011, Department of Geography, University of Madras, Chennai
17. National Seminar on "Current Trends in Viral Diseases and its Diagnosis" CTVD-2011 3rd – 4th March, 2011, Department of Microbiology, Periyar University, Salem
18. 6th International Conference on Health GIS-2015, Geo ICT for Epidemic Control and Healthcare ,19-21 November 2015, Mysuru, India
19. International Conference on Environment and Health in Changing Climate – ICEHCC 2016 (Re-emerging Diseases & Human Health Risks), 14-16 September, 2016, Department of Environmental Biotechnology, School of Environmental Sciences, Bharathidasan University, Tiruchirappalli, India
20. International Seminar on Biology for Sustainable Environment – ISBSE- 2017, 7-8 March, 2017, Department of Environmental Biotechnology, School of Environmental Sciences, Bharathidasan University, Tiruchirappalli, India
21. ISPRS International Geospatial Public Health Symposium – GEOHEALTH 2017- July 1-2, 2017. Administrative Staff College of India, Hyderabad, India.
22. International Conference on Environment, Health and Policy Nexus (ICEHPN2017), 27-28 July 2017, Mysuru, India
23. Two days International Conference on Impact of Global Atmospheric Changes on Natural Resources (IGACNR) organised by the Department of Civil Engineering, UVCE , Bangalore University on 19th and 20th, November 2018.
24. Two Days 'BrainstormingMeeting' of investigators to develop multi-centric projects on 19-20th February2020 at ICMR Headquarters, New Delhi.
25. Getting started with IGiS GIS & Image Processing, an Integrated Indigenous Platform, Amity University, 22 June 2020
26. Two days National Webinar on Recent Advances in Waste water treatment, Department of Environmental Sciences, Bharathiar University, 21st -22nd Jul 2020

27. Approaching Contagious Diseases from a Geospatial Perspective , University of Allahabad, WIHG, SHODH IGC for human Ecology, Environment and Population Studies, CKS India, 26-27 Aug 2020
28. International Webinar on Sustainable Approaches for Environmental Restoration, Department of Environmental Sciences, Bharathiar University, 4th -7th Aug 2020
29. National Webinar on **"EFFECT OF GLOBAL CLIMATIC CHANGE ON BIODIVERSITY"** organized by PG & Research Department of Zoology, Sri Parasakthi College for Women, Courtallam, on 23 Jun 2020.
30. Webinar "Recent threat to environment and role of Remote Sensing in environmental management", organized by Georation, A Group of Geospatial Research & Analysis, 5th June, 2021

Abroad

1. First International Symposium on Health GIS, 1-2ndDecember, 2005, Montein Riverside Hotel, Bangkok, Thailand.
2. Sixth International Conference on Asian GIS, 9-10thMarch, 2006, UniversitiTeknologi Malaysia, Skudai, Malaysia.
3. International Conference in GIS and Public Health: Geospatial Research and Application Frontiers in Environmental and Public Health Systems (GRAFEPHS), 27th June -29th June 2006, University of Hong Kong, Eaton Hotel, Hong Kong.
4. Seventh International Conference on Asia GIS 2008, 26-27th, 2008, Haeundae Grand Hotel, Busan, S.Korea.