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Department of Environmental Sciences,
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Qualification

Degree	Branch	Institution / University	Year of Passing
Ph.D	Environmental Sciences	Bharathidasan University	2016
M.Phil	Environmental Sciences	Bharathidasan University	2010
M.Sc	Environmental Sciences	Bharathidasan University	2008
B.Sc.,	Botany	Bharathidasan University	2006

Ph.D. Details

Title of Thesis	Area of Specialization
Database Generation for Foods/Ready-To-Eat Foods (RTEs), Vulnerable for <i>Listeria monocytogenes</i> Available in Tiruchirappalli, Tamilnadu, India	Environmental Microbiology and Biotechnology
Research Supervisor	Research Centre
Dr. N.D. Shrinithiviahshini	Bharathidasan University
Year of Award	
January 2016	

Cleared NET / SET :	Details	Year of Passing

Additional Qualification

Name of Course	Place of Study	Date	Duration
PGDBI	Bishop Heber College	2008	1
International Perspective on Participatory Research	PRIA International Academy	February 2021	six weeks
ICT tools for interactive teaching and Blended Learning	Bishop Heber College	July 2021	1 week

Work Experience

Name of Institution	Address of Institution	Designation	From	To
Bishop Heber College	Bishop Heber College Trichy-620017	Assistant Professor	2014	Still Now

Teaching / Research Experience**U.G. :** 9 years**P.G. :**

9 years

M.Phil. :

Nil

Ph.D. :

2023 onwards

Research Guidance**U.G. :** 4 years**P.G. :**

6 years

M.Phil. :

Nil

Ph.D. :

Ongoing

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7.	Research Projects	2
8.	Resource Person	4
9.	Consultancy	0
10.	Awards Recieved	0
11.	Patent	0
12.	Extension Activities Undertaken	0
13.	Professional Membership	0
14.	M.Phil. / Ph.D. Produced	0 / 1

1. International level Workshop on **"Training Program on e- Service-Learning (Virtual)"** sponsored by United Board Christian Higher Education in Asia (UBCHEA) organized by United Board Christian Higher Education in Asia (UBCHEA) at Virtual during 16/08/2021 to 17/08/2021.
2. International level Conference on **"International conference on Restore our earth"** sponsored by Department of Environmental Sciences, Bishop Heber College organized by Department of Environmental Sciences, Bishop Heber College at Tiruchirappalli during 21/04/2021 to 22/04/2021.
3. International level Conference on **"INTERNATIONAL WEBINAR ON MATERIAL CHARACTERIZATION"** sponsored by WOLLO UNIVERSITY KOMBOLCHA INSTITUTE OF TECHNOLOGY organized by WOLLO UNIVERSITY KOMBOLCHA INSTITUTE OF TECHNOLOGY at ETHIOPIA during 02/03/2021 to 02/03/2021.
4. International level Conference on **"International Eco-Conference"** sponsored by - organized by Consortium of Higher Educational Institutions under the leadership of CSI Synod, Chennai. at Chennai during 01/08/2019 to 04/08/2019.
5. Regional level Workshop on **"Beyond the classroom: The Pedagogics of Holistic Learning"** sponsored by Deanery of Extension Activities, Bishop Heber College organized by Deanery of Extension Activities, Bishop Heber College at Tiruchirappalli during 02/07/2019 to 02/07/2019.
6. College level Workshop on **"Student counseling for Young Teachers"** sponsored by Department of Social work, Bishop Heber College, organized by Department of Social work, Bishop Heber College, at Tiruchirappalli during 26/06/2019 to 26/06/2019.
7. National level Conference on **"Heber national conference on Ensuring Environmental Sustainability"** sponsored by Department of Environmental Sciences, Bishop Heber College organized by Department of Environmental Sciences, Bishop Heber College at Tiruchirappalli during 22/03/2019 to 23/03/2019.
8. College level Workshop on **"Forest Management by Recent Spatial Technologies and Atmospheric Modelling"** sponsored by Department of Environmental Sciences, Bishop Heber College organized by Department of Environmental Sciences, Bishop Heber College at Tiruchirappalli during 13/12/2018 to 13/12/2018.
9. College level Workshop on **"Examinations and Evaluation Reforms"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 10/03/2018 to 01/01/1900.
10. Regional level Workshop on **"Molecular and Immunological Techniques"** sponsored by Department of Zoology, Bishop Heber College organized by Department of Zoology, Bishop Heber College at Tiruchirappalli during 19/02/2018 to 20/02/2018.
11. Regional level Workshop on **"Faculty Training Programme on Moving from Community Service to Service Learning-Integration into the Curriculum"** sponsored by United Board Christian Higher Education in Asia (UBCHEA) organized by Rev. Jacob Memorial Christian College at Ambilikai, Dindukal during 25/09/2016 to 26/09/2016.
12. College level Workshop on **"R Programming"** sponsored by DST-FIST organized by Dept.of Mathematics and IQAC at Bishop Heber College, Tiruchy during 02/04/2016 to 02/04/2016.
13. College level Workshop on **"Service Learning (S-L) in Environmental and Health"** sponsored by United Board organized by Dept.of Environmental Sciences at Bishop Heber College, Tiruchy during 12/10/2015 to 14/10/2015.
14. Regional level Workshop on **"Re-envisioning Environmental Education and the Craft of Teaching, Learning and Research"** sponsored by United Board organized by Center for Environmental Studies at Lady Doak College, Madurai during 19/08/2015 to 22/08/2015.
15. College level Workshop on **"Capacity Building Programme"** sponsored by - organized by Internal Quality Assurance Cell (IQAC) at Bishop Heber College, Tiruchy during 06/08/2015 to 06/08/2015.

16. State level Workshop on **"Trainer's Training programme on Environment and Health"** sponsored by United Board Christian Higher Education in Asia (UBCHEA) organized by Department of Environmental Sciences, Bishop Heber College at Tiruchirappalli during 26/06/2015 to 27/06/2015.
17. Regional level Workshop on **"Capacity Building on Environmental Certification"** sponsored by United Board organized by Dept.of Environmental Sciences at Bishop Heber College, Tiruchy during 25/06/2015 to 25/06/2015.
18. College level Workshop on **"Caring the Homeless Children at Tiruchirappalli"** sponsored by United Board organized by Childline Nodal Organization at Bishop Heber College, Tiruchy during 10/03/2015 to 10/03/2015.
19. International level Conference on **"3rd International Science Congress"** sponsored by - organized by International Science Congress Association at Karunya University, Coimbatore during 08/12/2013 to 09/12/2013.
20. -1 level Workshop on **"Training course in Research methodology and computer application in Social sciences"** sponsored by Indian Council of Social Science Research, New Delhi organized by Department of Economics, Sacred Heart College, at Vellore during 29/08/2013 to 07/08/2013.
21. State level Workshop on **"Census-2011 data dissemination workshop on Houses, Household Amenities and assets"** sponsored by Directorate of Census Operations, Tamilnadu organized by Dept. of Geography at Bharathidasan University, Tiruchirappalli during 31/07/2012 to 31/07/2012.
22. University level Workshop on **"Methods in Lifesciences Research"** sponsored by UGC organized by UGC-Academic Staff College at Bharathidasan University, Tiruchirappalli during 26/03/2012 to 28/03/2012.
23. University level Workshop on **"Challenges in Environmental Restoration"** sponsored by - organized by Dept. of Environmental Biotechnology at Bharathidasan University, Tiruchirappalli during 05/03/2012 to 06/03/2012.
24. National level Seminar on **"Geoinformatic for River Basin Studies"** sponsored by UGC organized by Dept. of Geography at Bharathidasan University, Tiruchirappalli during 03/03/2012 to 04/03/2012.
25. National level Conference on **"Microbiological Research in 21st Century"** sponsored by Department of Biotechnology organized by Department of Microbiology, Bharathidasan University at Tiruchirappalli during 27/02/2012 to 28/02/2012.
26. Regional level Workshop on **"Recent Trends in University-Industry Relations"** sponsored by - organized by Dept. Environmental Management at Bharathidasan University, Tiruchirappalli during 16/02/2012 to 16/02/2012.
27. International level Conference on **"Climate Change and Forest Resource and Environment"** sponsored by - organized by Department of Environmental Sciences, University of Kerala at University of Kerala during 09/12/2011 to 11/12/2011.
28. National level Seminar on **"Second Green Revolution on Challenges and Issues"** sponsored by UGC organized by Dept. of Geography at Bharathidasan University, Tiruchirappalli during 25/03/2011 to 27/03/2011.
29. National level Workshop on **"Spatial Strategies for Environmental Sustainability"** sponsored by - organized by Dept. Environmental Management at Bharathidasan University, Tiruchirappalli during 17/02/2011 to 18/02/2011.
30. National level Seminar on **"Spatial Strategies for Sustainable Management"** sponsored by - organized by Dept. Environmental Management at Bharathidasan University, Tiruchirappalli during 14/02/2011 to 16/02/2011.
31. National level Seminar on **"Application of Geomatics in Climatology"** sponsored by UGC organized by Dept. of Geography at Bharathidasan University, Tiruchirappalli during 25/03/2010 to 26/03/2010.
32. College level Workshop on **"Environmental Laws of India"** sponsored by CPR Environmental Education Center, Chennai organized by Dept.of Environmental Sciences at Bishop Heber College, Tiruchy during 28/02/2008 to 28/02/2008.

33. National level Seminar on **"Ensuring Environmental Sustainability"** sponsored by - organized by Dept.of Environmental Sciences at Bishop Heber College, Tiruchy during 07/03/2007 to 08/03/2007.

Research Papers Presented

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1. **"Prevelence of Listeria monocytogenes in frozen meat and meat products available from Tiruchirappalli city, Tamil Nadu"** in the International conference on *International Eco-Conference* sponsored by CSI Synod, organized by Consortium of Higher Educational Institutions under the leadership of CSI Synod at Chennai during 01/08/2019 to 04/08/2019.
2. **"Application of Eichhornia crassipes for treatment of waste water in Bishop Heber College, Tiruchirappalli"** in the International conference on *International Eco-Conference* sponsored by CSI Synod, organized by Consortium of Higher Educational Institutions under the leadership of CSI Synod at Chennai during 01/08/2019 to 04/08/2019.
3. **"Prevelence of Listeria monocytogenes in frozen meat and meat products available in Tiruchirappalli city,"** in the International conference on *International Eco-Conference* sponsored by , organized by Consortium of Higher Educational Institutions under the leadership of CSI Synod, at Chennai during 01/08/2019 to 04/08/2019.
4. **"Impact of Rough stone mining on Biodiversity-A case study in kulathur taluk, Pudukottai District, Tamilnadu"** in the National conference on *Heber national conference on Ensuring Environmental Sustainability* sponsored by -, organized by Department of Environmental Sciences, Bishop Heber College at Tiruchirappalli during 22/03/2019 to 23/03/2019.
5. **"Listeria monocytogenes in the milk and ready-to-eat food, available at Tiruchirappalli, Tamilnadu, India"** in the International conference on *3rd International Science Congress* sponsored by -, organized by International Science Congress Association at Karunya University, Coimbatore during 08/12/2013 to 09/12/2013.
6. **"Listeria monocytogenes in meat, dairy and soft drinks available in the shop outlets of Tiruchirappalli, Tamilnadu, India"** in the International conference on *International symposium on Problems of Listeriosis (ISOPOL XVIII)* sponsored by ICAR,, organized by ICAR Research Complex, at Goa, India during 19/09/2013 to 22/09/2013.
7. **"Prevalence of Listeria monocytogenes in selected ready-to-eat foods and vegetables"** in the International conference on *Climate Change and Forest Resources and Environment* sponsored by , organized by Department of Environmental Sciences, University of Kerala at Kerala during 09/12/2011 to 11/12/2011.

1. **"Potable and irrigation suitability of different water supply systems in riverine communities at river Cauvery distributaries, India"** published in Environmental Research (PEER REVIEW) Vol. 236, Issue No. 116809, July 2023 ISSN : 10960953, 00139351.
Impact factor , Scopus Index 1844, h - index 136, Citation index 164
2. **"Pervasivness of Listeria monocytogenes in Milk and Dairy Products"** published in Journal of Food: Microbiology, Safety & Hygiene (PEER REVIEW) Vol. 2, Issue No. 3, August 2017 ISSN : ---.
3. **"Management of Grey Water with Bio-beds Using Phytotechnology"** published in Integrated Waste Management in India, Environmental Science and Engineering (PEER REVIEW) Vol. , Issue No. , April 2016 ISSN : 1431-6250.
4. **"Listeriosis, an Emerging Food-Borne Disease in India"** published in Research & Reviews: Journal of Ecology and Environmental Sciences (PEER REVIEW) Vol. 4, Issue No. 1, March 2016 ISSN : 2347-7830.
5. **"An Assessment of Religious Ceremonies and their impact on the Physico-Chemical and Microbiological Characterization of formost sea water in Navagraha Temple, Devipattinam, Tamilnadu, India"** published in Global Journal of Science Frontier Reseach: H Environment & Earth Science (PEER REVIEW) Vol. 14, Issue No. 3, January 2014 ISSN : ---.
6. **"Prevalence of Listeria monocytogenes in temple milks offered to the Devotees as sacred liquid in Tiruchirappalli, Tamilnadu, India"** published in Food and Public Health (PEER REVIEW) Vol. 3, Issue No. 2, January 2013 ISSN : 2162-8440.
7. **"Occurrence of Listeria monocytogenes in food and ready to eat food products available in Tiruchirappalli, Tamil Nadu, India"** published in World J. Life Science and Medical Research (PEER REVIEW) Vol. 1, Issue No. 4, August 2011 ISSN : 2249-0574.
8. **"Effectiveness of ozone to inactivate the Listeria monocytogenes from the Milk samples"** published in World J. Young Researchers (PEER REVIEW) Vol. 1, Issue No. 3, June 2011 ISSN : 2249-0566.
9. **"Quality assessment of pollution indicators in marine water at critical location of the Gulf of Mannar Biosphere Reserve, Tuticorin"** published in Marine Pollution Bulletin (PEER REVIEW) Vol. 126, Issue No. , January 1900 ISSN : ---.
Impact factor , Scopus Index - , h - index - , Citation index -

Publication in Books

- 1

1. ***Ozonation is an Effective Management Tool for Dairy Industry.*** *Ozonation is an Effective Management Tool for Dairy Industry.* Germany :LAMBERT Acedemic Publishing, January 2013.

1. College level Workshop Entitled **"Fire Safety"** at Bishop Heber College, sponsored by Bishop Heber College, during 04/08/2023 to 04/08/2023.
2. College level Workshop Entitled **"CAPACITY BUILDING PROGRAMME ON SERVICE-LEARNING CURRICULUM DEVELOPMENT"** at Bishop Heber College, sponsored by United Board for Christian Higher Education in Asia, during 05/04/2023 to 06/04/2023.
3. College level Workshop Entitled **"Capacity Building programme on Service-Learning -Discipline Specific for Arts stream"** at , sponsored by United Board for Christian Higher Education in Asia, during 24/08/2022 to 25/08/2022.
4. College level Workshop Entitled **"Workshop on Concept and Key Elements of Service-Learning"** at Bishop Heber College, sponsored by United Board for Christian Higher Education in Asia, during 07/06/2022 to 08/06/2022.
5. International level Conference Entitled **"Heber International Conference on Climate Adaptation and Resilience"** at Department of Environmental Sciences, Bishop Heber College, sponsored by WAPCOS, during 22/04/2022 to 23/04/2022.
6. College level Workshop Entitled **"Training Programme on Lab-Safety Protocols"** at Department of Environmental Sciences, Bishop Heber College, sponsored by Bishop Heber College, during 28/08/2021 to 28/08/2021.

RESEARCH PROJECTS

- 2

1. Major project entitled **"Classroom to Community (C2C) A Service Learning Initiative for Whole Person Education"** (*PRINCIPAL INVESTIGATOR*), Sponsored by United Board for Christian Higher Education in Asia, during 01/01/2022 to 12/31/2023 [Ongoing].
2. Minor project entitled **"Inactivation of Listeria monocytogenes in milk treated under non-thermal techniques."** (*PRINCIPAL INVESTIGATOR*), Sponsored by Bishop Heber College, during 20/11/2019 to [Completed].



TRAINING PROGRAMME

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- # REGIONAL level on **"1. Faculty Training Programme on "Moving from Community Service to Service Learning-Integration into the Curriculum""** Sponsored by United Board Christian Higher Education in Asia (UBCHEA), Organized by Rev. Jacob Memorial Christian College at Ambilikkai during 25/09/2015 - 26/09/2015.
- # REGIONAL level on **"Trainer's Training programme on Environment and Health"** Sponsored by , Organized by Department of Environmental Sciences at Bishop Heber College, Tiruchirappalli during 26/06/2015 - 27/06/2015.
- # NATIONAL level on **"Training course in Research methodology and computer application in Social sciences"** Sponsored by Indian Council of Social Science Research, New Delhi, Organized by Department of Economics at Sacred Heart College, Thirupattur, Vellore during 29/07/2013 - 07/08/2013.
- # NATIONAL level on **"Short term course on Integrated Separation Process for Environmental and Biotechnology Applications"** Sponsored by , Organized by Department of Chemical Engineering at National Institute of Technology (NIT), Tiruchirappalli during 19/07/2013 - 20/07/2013.
- # STATE level on **"Training Programme on Reduction of CO₂ and other Air Pollutants through Phytoremediation Techniques"** Sponsored by DST-FIST, Organized by Department of Environmental Biotechnology at Bharathidasan University, Tiruchirappalli during 29/12/2011 - 30/12/2011.
- # NATIONAL level on **"Hands on Training in " Molecular Biological Techniques""** Sponsored by DBT, Organized by Department of Marine Biotechnology at Bharathidasan University, Tiruchirappalli during 12/09/2011 - 23/09/2011.

RESOURCE PERSON

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1. Regional level Invited Lectures on **"Effects of plastics and impacts of Corona virus"** at Thiruverchippati, Tiruchirappalli, 11/03/2020.
2. Regional level Invited Lectures on **"Ecological System" followed by the activities like Food web and Predator-prey"** at Anna Science Centre – Planetarium, Tiruchirappalli, 28/11/2016.
3. Regional level Invited Lectures on **"Water" for World Water Day Celebration"** at Bishop Heber School, Puthur, Tiruchirappalli, 22/03/2016.
4. Regional level Workshop on **"Ecosystem"** at Agricultural Engineering Training Center, Agricultural Engineering Department, Tiruchirappalli, 02/11/2015.

Signature of Staff
(M.SHEELA MARY)