

## Ms.M.SHEELA MARY

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Department of Environmental Sciences,  
Bishop Heber College,  
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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		Year of Award
Dr. N.D. Shrinithiviahshini	Bharathidasan University		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

**Table of Contents**

1.	<b>Conferences / workshops / Seminars Attended</b>	<b>34</b>
2.	<b>Research Papers Presented</b>	<b>7</b>
3.	<b>Publication in Journals</b>	<b>9</b>
4.	<b>Publication in Books</b>	<b>1</b>
5.	<b>Books Published / Edited</b>	<b>0</b>
6.	<b>Conferences / Workshops / Seminars Organised</b>	<b>6</b>
7.	<b>Research Projects</b>	<b>2</b>
8.	<b>Resource Person</b>	<b>4</b>
9.	<b>Consultancy</b>	<b>0</b>
10.	<b>Awards Recieved</b>	<b>0</b>
11.	<b>Patent</b>	<b>0</b>
12.	<b>Extension Activities Undertaken</b>	<b>0</b>
13.	<b>Professional Membership</b>	<b>0</b>
14.	<b>M.Phil. / Ph.D. Produced</b>	<b>0 / 1</b>

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

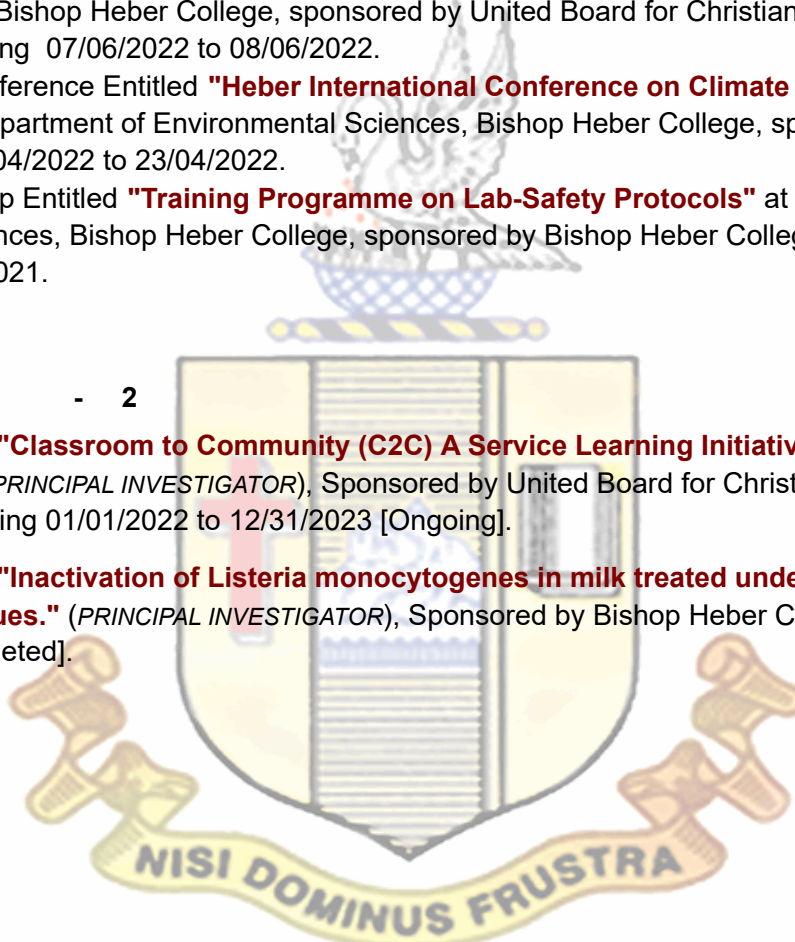
1. ***Ozonation is an Effective Management Tool for Dairy Industry.*** *Ozonation is an Effective Management Tool for Dairy Industry.* Germany :LAMBERT Acedemic Publishing, January 2013.

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

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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 CO<sub>2</sub> 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)**