



Curriculum Vitae

Dr. Tresa Radhakrishnan
(alias Dr. Tresa V. Fernandez)



Professor

Department of Aquatic Biology & Fisheries
University of Kerala, Karyavattom PO
Trivandrum 695 581
Kerala, India

2021

BRIEF CV OF Dr. TRESA RADHAKRISHNAN



Name : **TRESA RADHAKRISHNAN**
(Old name: **Dr. Tresa V. Fernandez**)

Name of Father : Late Sri. George Nicholas Fernandez

Religion/Community : Christian, Latin Catholic

Designation : Professor in Hydrobiology

Date of Birth : 05-03-1955

Permanent Address : Sreebhadra, T.C. 3/187(1), Thrippadapuram
(Technopark) Road, Vallathodu, Karyavattom,
Trivandrum, 695 581

Married to : Dr. S. Radhakrishnan

Daughter : Dr. Vitni Fernz

Son-in-law : Dr. Praveen P. Nair

Grandson : Siddarth Praveen

Official Address : Dept. of Aquatic Biology & Fisheries, University of
Kerala, Karyavattom, Trivandrum 695 581
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: dr.s.radhakrishnan.sreebhadra@gmail.com
FAX: 91-471-2308131

Educational Qualification : Ph. D. (**Hull University, England**)

Title of Ph.D. Thesis : Some Studies on the Toxicity of Zinc to an Estuarine
Polychaete, *Nereis diversicolor* (Annelida)

Research Supervisor : Prof. N.V. Jones, Dean of Sciences,
The Hull University, Hull HU6 7RX, England

Date of Entry into Kerala University Service: **30th March 1987**

Present position : **Professor**

Teaching Experience - **34 years (since 1979)**

Teaching Experience - **as Professor 10 years 7 months (since 2003)**

Research Experience - **34 years (since 1979)**

Doctoral Experience - **4 years (1979 – 1983)**

Post-doctoral Experience - **7 years (1983-1987 & 1989-1992)**

Research and Teaching Experience

Year	Institution	Position	Nature of work
1979-83	University of Hull England	Research Fellow (British Council)	Doctoral Research and Teaching
1983-85	University of Kerala	Post-doctoral Fellow DOEn, Govt. of India	Research and Teaching
1985-86	University of Kerala	Post-doctoral Fellow STEC, Govt. of Kerala	Research and Teaching

1986-87	University of Kerala	Research Associate DOD, Govt. of India	Research and Teaching
1987-97	University of Kerala	Lecturer	Research Guidance and Teaching
1989-91	University of North Texas, USA	Research Scientist (US Air Force)	Research
1997 -2005	University of Kerala	Reader	Research Guidance and Teaching
2005 till date	University of Kerala	Professor	Research Guidance and teaching
2008-2011	University of Kerala Professor & Head	Professor & Head	Administration, Research guidance and teaching
March-Sept. 2011	Kerala University for Fisheries & Ocean Studies	Registrar	Administration
Oct.2011 onwards	University of Kerala	Professor	Research Guidance and teaching

Research Fellowships

1. **British Council Scholarship,UK** **1979-1983**
2. **Post-doctoral Fellowship (DOEn, Govt. of India)** **1984-1985**
3. **Post-doctoral Fellowship (STEC, Govt. of Kerala)** **1985-1986**
4. **Research Associate ship (DOD, Govt. of India)** **1986-1987**
5. **Research Scientist (US Air Force), USA** **1989-1991**

Countries Visited **: 16**

Seminars/Symposia: International - **(6) UK, USA, France, Hong Kong, Switzerland**
National – **5** (Paper presented), National – **16** (Attended)

Training Programmes Attended: International - 2 (one each in Plymouth, UK and Baltimore, USA), National - 1

1. Ph.D.

No. of Ph. D. produced **: 25 – Submitted 1- 2018**
Ph.D Ongoing **: 5 (3 National + 2 International, Iranian Students)**
Mphil **: 26**
MSc. **: 27**

Publications (List Appended)

Scientific papers published **: 108**
Papers presented at Seminars/Symposia **: 26**
Chapters in books **: 3 (International 2 - Pennsylvania State University, USA & World Aquarium Council, USA); National 1**
Text Books **: 2**
Radio Talks **: 3**
Other Article **: 1**
Papers Communicated **: 18**

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Curriculum Vitae
of
Dr. TRESA RADHAKRISHNAN
(*alias* TRESA V. FERNANDEZ)

Name : TRESA RADHAKRISHNAN
 Name of Father : Late Sri. George Nicholas Fernandez
 Religion/Community : Christian, Latin Catholic
 Designation : Professor in Hydrobiology
 Date of Birth : 05-03-1955
 Permanent Address : Sreebhadra, T.C. 3/187(1), Thrippadapuram
 (Technopark) Road, Vallathodu, Karyavattom,
 Trivandrum, 695 581
 Official Address : Professor , Department of Aquatic Biology and Fisheries
 University of Kerala, Trivandrum, 695 581
 ☎ Off: 0471-2308131; Cell: 9605733735
 e-mail: dr_trk_aqb@yahoo.com
 Educational Qualification : Ph. D. (Hull University, England)
 Title of Ph.D. Thesis : Some Studies on the Toxicity of Zinc to an Estuarine
 Polychaete, *Nereis diversicolor* (Annelida)
 Research Supervisor : Prof. N.V. Jones, Dean of Sciences,
 The Hull University, Hull HU6 7RX, England

☞ Educational Qualifications

Degree	Institution	Subject	Year
B.Sc.	University of Kerala	Zoology	1976
M.Sc.	University of Kerala	Zoology	1978
Ph.D.	University of Hull, England	Ecology/Aquatic Toxicology	1983

☞ Research and Teaching Experience

Year	Institution	Position	Nature of work
1979-83	University of Hull England	Research Fellow (British Council)	Doctoral Research and Teaching
1983-85	University of Kerala	Post-doctoral Fellow DOEn., Govt. of India	Research and Teaching
1985-86	University of Kerala	Post-doctoral Fellow STEC, Govt. of Kerala	Research and Teaching
1986-87	University of Kerala	DOD, Govt. of India	Research and Teaching
1987-97	University of Kerala	Lecturer	Research guidance and Teaching
1989-91	University of North Texas, USA	Research Scientist (US Air Force)	Research and Teaching

1997 -2005	University of Kerala	Reader	Research guidance and Teaching
2005-2008	University of Kerala	Professor	Research guidance and Teaching
2008-2011	University of Kerala	Professor and HOD	Administration, Research guidance and Teaching
1 March to 17 Sept. 2011	KUFOS	Registrar	Administration
18 Sep to 31 March 2015	University of Kerala	Professor	Research guidance and Teaching

- ☞ **Teaching Experience** : 32 years (since 1979)
- ☞ **Date of Entry into University Service** : 30th March 1987
- **Promoted as Reader** : 29th March 1997
 - **Promoted as Professor** : 28th March 2005
 - **Appointed as HOD** : 01st May 2008
 - **Appointed as Registrar, KUFOS**: 01.03.2011 till 17th September 2011
 - **Professor**, Department of Aquatic Biology and Fisheries - 4th October 2011 till date.

☞ **Research Fellowships**

1. British Council Scholarship, UK 1979-1983
2. Post-doctoral Fellowship (DOEn, Govt. of India) 1984-1985
3. Post-doctoral Fellowship (STEC, Govt. of Kerala) 1985-1986
4. Research Associate ship (DOD, Govt. of India) 1986-1987
5. Research Scientist (US Air Force), USA 1989-1991

☞ **Research Specialization:**

Ecology, Limnology, Estuarine Biology, Mangrove Ecology, Molecular Biology, Aquatic Toxicology, Taxonomy, Biodiversity and Aquatic Pollution

☞ **Topics offered to M. Sc. and M. Phil. Students**

Freshwater Biology, Estuarine Biology, Restoration Ecology, Aquatic Biodiversity, Aquatic Pollution and Aquatic Toxicology, Cell and Molecular Biology, and Environmental Issues.

☞ **Countries Visited**

England, Ireland, Wales, Scotland, United States of America, Germany, France, Italy, Switzerland, Singapore, China, Malaysia, Hong Kong, Kuwait, Dubai and the Netherlands.

☞ Post Doctoral Experience

1. **Senior Research Fellow- 1984-1985.** Worked on a project "Effect of Man made Changes on the Ecology of Two Rivers namely the Kallada and Neyyar Originating from the Western Ghats", funded by the Ministry of Environment & Forests, Govt. of India,(University of Kerala).
2. **Post Doctoral Fellow-1985-1986.** Worked on a project "The Resource Potential of Ashtamudi Estuary with Special Reference to the Impact of Stake Nets"., funded by the State Council for Science, Technology & Environment, Govt. of Kerala, (University of Kerala).
3. **Research Associate-1986-1987.** Worked on a project "The Ecobiology of Marine Boring and Fouling Organisms along the South West Coast of India", funded by the Department of Ocean Development, Govt. of India,. (University of Kerala).
4. **Research Scientist-1989-1991.** Worked on a project "The Efficacy of Using Stress Proteins as Biomarkers for Pollution Monitoring in Aquatic Systems", funded by the US Air Force, USA, at the North Texas University, Denton, Dallas, USA.

☞ Seminars/Symposia (Papers presented)

1. **International** Conference on "Feeding and Survival Strategies of Estuarine Organisms", **Hull University, England**, 15th September, 1980
2. **International** Conference on "Pollution Monitoring Aspects", organized by the Society for Environmental Toxicology and Chemistry (SETAC, USA), Oklahoma State University, Oklahoma, **USA**, May 29-1 June 1990
3. INTERCOLS 4th **International** Conference held in Columbus, Ohio State University, **Ohio, USA**, 10- 12 September 1992 (Paper Presented: "Mangrove ecology and Management").
4. The 3rd **International** European Conference on Eco toxicology, **BAZEL, Zurich, Switzerland**, 28-31 August 1994 (Papers Presented: "Stress proteins as biomarkers" and "Trace metal distribution in marine sea weeds along the Kerala coast").
5. **International** Conference on "Coastal Zone Management" held at the Science and Technology University, Clear water Bay, **Kowloon, Hong Kong**, 24-28 June 1996.
6. **International** Conference on "Coastal Environment Management and Conservation", **BORDOMER '97**, Bordeaux Convention Centre, **France**, 126-133, 1997.
7. **National Conference** on "Estuarine Management" State Committee on Science, Technology and Environment, **Trivandrum, Kerala**, 5-6 May 1987 (paper presented: "Marine boring and fouling organisms along the backwaters of Kerala coast", India) 1987.
8. **Tresa Radhakrishnan and S. Radhakrishnan. 2011. International Congress on Kerala Studies.** AKG Center, Trivandrum, 1-3rd January 2011, (Presented a paper on "Ulnadan Matsya

Mekhala Vikasanam” by **Tresa Radhakrishnan**).

9. **Tresa Radhakrishnan**, Shirley Vardhanan and Shibu Vardhanan. **2014. National Conference** in connection with the **Golden Jubilee Celebrations of St. Gregorious College, Kottarakkara, Kollam**, 15th January, 2014, (Presented a paper on “Studies on endosulphan toxicity to a freshwater fish, *Rasbora daniconius* (Hamilton)” by **Tresa Radhakrishnan**).
10. George Thomas and **Tresa Radhakrishnan** **2014**. Biodiversity of mangroves Kerala. Proc. Biodiversity Conservation, Challenges and Prospects, Govt. College, Kasaragod, 10-12 December 2012, 131-146.
11. **Tresa Radhakrishnan**, Mini Mohandas and Lekshmy. S. **2015. International Congress on Kerala Studies**, organized by AKG Centre at Govt. Girls High School, Alappuzha, on 17th February, 2015 (Presented a paper on “Impact of Stake nets on the Resource Potential of Backwaters of Kerala”).

☞ Seminars/Symposia Attended

1. **Tresa Radhakrishnan, 2000**. 16th National and 4th International Seminar on “Recent Trends in Life Sciences” Dept. of Aquatic Biology and Fisheries, University of Kerala, Trivandrum, 4-7 Feb. 2000.
2. **Tresa Radhakrishnan, 2005**. Seminar on Ecological Traditions of Kerala, Trivandrum, 07.12.05, C.P. Ramaswamy Aiyar Foundation, CPR Environmental Education Centre, Madras, 2005.
3. **Tresa Radhakrishnan, 2006**. Seminar on “LEICA User Meet”, LEICA India, Trivandrum, 23-11-2006.
4. **Tresa Radhakrishnan, 2006**. Seminar on “Nano sciences”, University of Kerala, 12.12.2006.
5. **Tresa Radhakrishnan, 2006**. Seminar on “Kickoff Colloquium on Nano scale Science and Arthropod Bio resources”, Dept. of Zoology, University of Kerala, Trivandrum, 18-19. Dec. 2006.
6. **Tresa Radhakrishnan, 2007**. Symposium on Drugs Affecting Lipid Metabolism. Dept. of Biochemistry University of Kerala, Kariavattom, 27-28 Feb. 2007.
7. **Tresa Radhakrishnan, 2007**. Training programme on “Capacity Building for Teaching Remote Sensing and Applications of Geomatics”, Department of Geology, University of Kerala, Trivandrum, 16th April -7th May.2007.
8. **Tresa Radhakrishnan, 2007**. Workshop on “Quality Improvement in Research”, University of Kerala, TVM 28-29 Sept. 2007.

9. **Tresa Radhakrishnan, 2007.** Workshop on “Eco-Informatics” organized by the IIITM-K, Trivandrum, 23.11.2007.
10. **Tresa Radhakrishnan, 2010.** “International Seminar on Ornamental Fish Breeding, Farming and Trade” as part of India-International Aqua show, on 13-14th February, 2010.
11. **Tresa Radhakrishnan, 2011.** National Workshop on Master plan Preparation for Kerala University of Fisheries and Ocean Studies, KUFOS, Kochi, 5.07 2011.
12. **Tresa Radhakrishnan, 2011.** One Day Seminar on the Inauguration of the Emblem and Logo of KUFOS, Kochi, 21.06.2011.
13. **Tresa Radhakrishnan 2011.** “International Conference on Mangrove for Coastal Area Management” organized by the M.S. Swaminathan Foundation, Chennai, August 7-10, 2011.
14. George Thomas and **Tresa Radhakrishnan 2012.** Biodiversity of mangroves, Kerala. Proc. Biodiversity Conservation, Challenges and Prospects, Govt. College, Kasargod, 10-12 December 2012, 131-146.
15. **Tresa Radhakrishnan, 2013.** Conference on “Life Sciences, Opportunities and Challenges”, organized by Kerala State Industrial Development Corporation Ltd (KSIDC), Govt. Kerala, 3rd September, 2013, Trivandrum.
16. **Tresa Radhakrishnan, 2014.** Attended and presented paper at the Conference in connection with the Golden Jubilee Celebrations of St. Gregorious College, Kottarakkara, Kollam, 15th January 2014.
17. **Tresa Radhakrishnan** and Mini Mohandas, **2015.** Attended one day seminar on “Fisheries Sector and Coastal Zome Development organized by the AKG padanakendram, Trivandrum, Kerala on 17th February, 2015.
18. **Tresa Radhakrishnan**, Mini Mohandas, Lekshmy.s, Sruthi.S, Nansimole.A, Gayathri Devi.T.V, Souji.S, Athira Nagendran, Soumya.W and Apreshgi, K.P. **2015.** Attended the second National Biodiversity Congress held at Kanakakunnu Palace, Trivandrum, Kerala on 26th and 27th February, 2015.

Training Programmes Attended

1. “Marine Fishes and their Cultural Aspects”, Programme organized by the Marine Biological Association, Citadel House, **Plymouth, UK.** 15-17 April, 1980.
2. “Life in Sea”, Baltimore Marine Aquarium, **Baltimore, USA** on 29th September, 1989.
3. Training Workshop on “Application of Geomatics”, Department of Geology, University of Kerala, 30th January 2006.

Membership in Professional Societies

1. Smithsonian Institute, Washington DC, USA. 1989-1993

2. Society for Environmental Toxicology and Chemistry (SETAC), USA, 1989-1993
3. OISCA-International, JAPAN
4. Central Seed Certification Board, ICAR, INDIA. 1994-1995
5. International Society of Tropical Ecology, INDIA
6. Academy of Environmental Biology, INDIA
7. Society for Ecobiology, INDIA

☞ **Research Schemes Completed**

1. “Evaluation of the Efficacy of the Stress Protein Response as a Biochemical Water Quality Biomarker for Pollution Monitoring in Aquatic Systems”, 1992-1996, Ministry of Environment and Forests, Govt. of India.
2. “Impact of Stake Nets on the Resource Potential of the Ashtamudi Estuary, Kerala, India”, 1992-96, State Committee on Science, Technology and Environment, Govt. of Kerala.
3. Bioaccumulation of Furadan, a Carbamate Pesticide by the Brown Mussel, *Perna indica*. 2002-03. STEC, Govt. of Kerala.
4. Stress Protein Profiles of the Muscle, Gill and Liver of the Pearl-spot, *Etroplus suratensis* (Bloch) and the Orange-Chromide, *Etroplus maculatus* (Bloch), Exposed to Sublethal Concentration of the Pesticide, Endosulfan. 2002-03. STEC, Govt. of Kerala.

☞ **Research Project Submitted/Sanctioned**

1. Centre for Kerala Inland Water Eco-Informatics – KSCSTE/DST, Govt. India.
2. Development of new molecular markers in fish: study of freshwater fish from the Kerala river area (under INDNOR programme – Collaboration with IRIS, Norway).
3. Scoring approach based on clam and fish biomarkers applied to India inland water monitoring. (Under INDNOR programme – Collaboration with IRIS, Norway).

☞ **Special Lectures Offered**

1. Hindu College, Nagercoil, India, “Aquatic Pollution and Human Health, March 12, 1992.
2. St. Gregorious College, Kottarakkara, Kollam, Kerala, “Trace Metal Pollution Monitoring Aspects of Kallada River”, August, 12, 1989.
3. St. Stephan’s College, Pathanapuram, Kollam, Kerala, “Aquatic Pollution with Reference to Trace Metals”, December 14, 1990.

4. Resource Person for UGC sponsored programme (Refresher course) for College Teachers in Environmental Sciences, on “Toxicity Determinations in Aquatic Systems with Special Reference to Trace Metals”, Dept. Aquatic Biology and Fisheries, University of Kerala, 1994.
5. Resource person for UGC sponsored programme (Refresher course) for College Teachers in Environmental Sciences, on “Stress Proteins as Biomarkers for Pollution Monitoring in Aquatic Systems”, Dept. Aquatic Biology and Fisheries, University of Kerala, 1995.

☞ **Technical Reports**

1. **August 1993.** ”Stress Proteins as Biomarkers for Trace Metal Pollution in Aquatic Systems”- submitted to UGC, Govt. of India (Refresher course for college teachers).
2. **October 1993.** Technical report on “Towards Green Aquaculture”- An Indian Perspective. Submitted to Commonwealth Palms and Resorts Private Ltd., Trivandrum.
3. **October 1993.** Annual Report for the Ministry of Environment and Forests, Govt. of India.
4. **September 1995.** Technical Report on “The Resource Potential of Ashtamudi Estuarine System, Kerala, India submitted to the State Committee on Science, Technology and Environment, Govt. of Kerala.
5. **January 1997.** Final Technical Report on “Stress Proteins as Biomarkers for Pollution Monitoring in Aquatic Systems”, submitted to the Ministry of Environment and Forests, Govt. of India.

☞ **Other Relevant Information**

1. **Assistant Course Coordinator** - Organized two Refresher courses for College Teachers sponsored by the UGC, Govt. of India, on “Environmental Sciences”, in the faculty of Zoology during January 1996 and April 1996 at the Academic Staff College, University of Kerala, Karyavattom, Trivandrum, Kerala.
2. **Edited and published the 63rd** publication of the Academic Staff College special bulletin on “Environmental Sciences”, (Vol. 63), 1996.
3. **Special Nominee** to Govt. Committee on Air Pollution by Travancore Titanium Products Ltd., Trivandrum (2000–2003).
4. **Member**, VHSE Syllabus Committee (2000-2002).
5. **Member**, Board of Studies in Aquatic Biology and Fisheries, University of Kerala (2000-2005) and (2008-2011).
6. **Project Evaluator**, Council on Science, Technology and Environment, Govt. of Kerala.
7. **Honorary Warden**, Hostel for Women, University of Kerala, Karyavattom, Trivandrum (1996-1998).
8. **Member, Academic Council**, University of Kerala. 2008.

9. **Chairperson, Board of Studies**, Aquatic Biology and Fisheries, University of Kerala, 2008-2011.
10. **Co-ordinator**, 'Childrens Science Congress' in connection with Indian Science Congress'97, University of Kerala, Trivandrum, 2010
11. **Programme Coordinator**, Galileo Little Scientist- State Science Fest 2010 – Sasthrolsavam, May 18–20, 2010 Sarva Shiksha Abhiyan, Govt. of Kerala, Department of Aquatic Biology and Fisheries, University of Kerala, Trivandrum.
12. **Chief Editor**, Proceedings of the National Seminar “Future of Indian Fisheries; Emerging Policy Paradigms”, March 19th 2010, Dept of Aquatic Biology and Fisheries, University of Kerala.
13. **Co-ordinator, UGC-SAP, UGC-CAS** Programme, Department of Aquatic Biology and Fisheries, University of Kerala (2008-2011).
14. **Organizer**, Release of the book on, “Global Biodiversity Outlook (GBO-3), Published by the Convention on Biological Diversity (CBD), United Nations, Geneva.
15. **Project Evaluator, SERC** Division, Department of Science and Technology, Govt. India.
16. **Executive Committee Member**, Kerala State Fisheries Department, Govt. of Kerala.
17. **Executive Committee Member**, Matsya Keralam Project, Kerala State Fisheries, Govt. of Kerala.
18. **UGC Subject Expert Committee Member**-Minor/Major Research Projects, Govt. India.
19. **Project Evaluator**, Indian Journal of Fisheries, CMFRI, Kochi.
20. **Chairman**. Committee for 1st Statute preparation of Kerala University for Fisheries and Ocean Studies, (KUFOS), Kochi.
21. **Joint Secretary**, Parent Teacher Association, Government Medical College, Trivandrum.
22. **Member**, Advisory Committee on a Scientific Journal, Essence, S.N. College, Varkala.
23. **Editor- 2012** Journal of Aquatic Biology and Fisheries, University of Kerala.
24. **Vice President**, Parent Teacher Association, Trivandrum Medical College, Trivandrum.
25. **Expert Committee Member 2014** Aquatic Ecosystem Management and Conservation. Kerala State Biodiversity Board, Govt. of Kerala.

☞ Research Guidance Experience

Ph. D. (Degree Awarded –20)

1. Molluscan Fauna of South West and South East Coast of India with Special Reference to Bivalves. **Souji. S. AcE1.B1/713/AQB/10506** dated **11.07.2013**.
2. Taxonomy and Biodiversity of Crabs (Brachyura and Anomura) in South West and South East Coast of India. **Sruthi. S. Ac.E1.B/113/AQB/14442** dated **05.07.2013**.
3. Microbial Ecology of Certain Selected Backwaters of Kerala with Emphasis on the Bacterial Contaminants in Water and Sediment. **Gayathri Devi. T.V. AcE1B/113/AQB/14442/1** dated **11.07.2013**.
4. Fishery Resources of Some Selected Backwaters of Kerala, South West Coast of India. **Nansimole. A. Ac.E1.B/113/AQB/14442** dated **05.07.2013**.
5. The Nature of Transformation of a River System and Its Environs-A Case Study of the Neyyar River. **Shibu A. 2014**.
6. Ecology and Biodiversity of Ashtamudi and Kureepuzha Kayals of Ashtamudi Estuary. **Vimal Raj, R.V. 2014 A.c. E.11/3/14** dated **16.05.2014**.
7. Microbial Ecology of the Ashtamudy Estuary with Emphasis on the Bacterial Contaminants in Water and Sediments. **Soumya, W. 2013 Ac. E.11/8/13** dated **24.09.2013**.
8. Fish Health Management: Health Status of Extensive Shrimp Culture Systems of Kerala. **Lekshmy, S. 2013 Ac. E.11/8/13** dated **24.09.2013**.
9. Studies on the Effect of Endosulfan on a Freshwater Fish, *Rasbora daniconius*, (Hamilton). **Shirly Vardhanan, Y. 2013 Ac. E.11/8/13** dated **24.09.2013**.
10. Ecobiology of Ashtamudi Estuary with Special Reference to the Region of Confluence of Kallada River with the Estuary. **Binushma Raju 2011 Ac. E.11/2/12** dated **03.04.2012**.
11. Stress Protein Profiles of Selected Tissues and the Haematology of the Pearl-spot, *Etroplus suratensis* (Bloch) Exposed to the Pesticides, Endosulfan and Ekalux. **Sreekala, L.K. 2008 Ac. E.11/2008** dated **29.09.2008**.
12. Health Status of Killiyar, Trivandrum District and the Associated Public Health Aspects. **Anukumar, A. 2008 Ac. E.11/2008** dated **26.11.2008**.
13. Ecology and Biodiversity of T.S. Canal, Thottappally, Alleppey District, Kerala. **Santhamma Jaisinimol Bhargavan, 2008 Ac. E.11/2008** dated **19.08.2008**.
14. Ecology and Biodiversity of Nila River, Kerala. **Sushama, S. 2003 Ac. E.11./1/15846** dated **18.06.2003**.

15. Toxicity of Copper and Zinc to a Freshwater Mussel, *Lamellidens marginalis*. **Sarala Nair, S. 2000 Ac. E.11./1/5312** dated **23.03.2000**.
16. Studies on the Sublethal Effect of Copper, Arsenic and BHC on a Paddy Field Crab, *Paratelphusa hydrodromus*: Histopathology and Stress Protein Profiles. **Shibu Vardhanan, Y. 1999 Ac. E.11./1/5279** dated **14.10.99**.
17. Nutritive Status of Certain Selected Marine Organisms along the Kerala Coast, India. **Anil Kumar, T. 1998 Ac. E.11./1/5056/97** dated **02.09.98**.
18. Heavy Metal Pollution in Ashtamudi Estuarine System, Kollam, Kerala. **Geetha Bhadran 1998 Ac. E.11./1/5126/97** dated **01.04.98**.
19. Comparative Eco biology of Three Selected Mangrove Ecosystems of Kerala, Southwest Coast of India. **George Thomas 1995 Ac. E.11./1/96** dated **23.08.96**.
20. Toxicity of Nickel and Copper to Orange Chromide, *Etroplus maculatus*. **Jamila Patterson 1992 Ac. E.11./1/4376/92** dated **20.07.92**.

Ph. D. - Ongoing – 5 (3+2, Indian and Iranian Students)

1. Germination, Growth and Physiological Responses of Certain Mangrove Plants Influenced by Certain Trace Metals and Abiotic Factors. **Mini Mohandas AcE1./B/714.AQB/11463/2014** dated **15.11.2014**.
2. Microbial Ecology of Certain Selected Mangrove Habitats of Kerala, South West Coast of India. **Athira Nagendran AcE1./B/714.AQB/11463/2014** dated **15.11.2014**.
3. Taxonomy and Diversity of Mangrove Crabs of Kerala, South West Coast of India. **Apreshgi K.P. AcE1./B/714.AQB/11463/2014** dated **15.11.2014**.
4. Comparative Ecobiology of Natural and Manmade Mangrove Ecosystems along the South West Coast of India with Special Emphasis on Fishes. **Smt. Azadeh Salehdoost (International- IRAN)**.
5. Effects of Copper and Zinc on a Cichlid, *Etroplus suratensis* (Pearl-spot) with Emphasis on Various Developmental Stages. **Sri. Mohammad Javad Jami (International- IRAN)**.

M. Phil. Projects – Completed - 26

1. Ceratin Trace Metals in the Mangrove Flora and Sediments of Poovar Estuary, Trivandrum. **Jalaja, O., 2013**.
2. Incidence of Trace Metals in the Mangrove Flora and Sediments of Veli Lake, Trivandrum. **Githu, C., 2013**.
3. Essential Elemental Concentration in Selected Molluscs of Kerala. **Arathi, A. R., 2012**.

4. Ecology of Poovar Estuary, Thiruvananthapuram District, With Special Reference to Planktonology. **Remesh, G., 2010.**
5. Ecology and Planktonology of Thavakkal Aar, Thiruvananthapuram District, Kerala. **Vishnu Nair, M. S. 2010.**
6. Ecobiology of Thavakkal Aar, Thiruvananthapuram District, Kerala. **Smitha S Mani 2009.**
7. Ecobiology of Poovar Estuary, Thiruvananthapuram District, Kerala. **Geomol, P. U. 2009.**
8. The Planktonology of Maha Vishnu Temple Pond, Kazhakkootam, Trivandrum. **Vinod Anand 2008.**
9. Hydrography and Microbial Ecology of Maha Vishnu Temple Pond, Kazhakkootam, Trivandrum. **Chithra, S. 2008.**
10. Effect of Pesticide, Carbofuran, Histology and Biochemistry of the Pearl Spot *Eetroplus suratensis* (Bloch). **Swetha, P. 2007.**
11. Comparative Study of the Hydrobiology and Plankton of a Mangrove and Non Mangrove Regions of Ashtamudi Backwater. **Honey K Das. 2007.**
12. Molecular Stress Response of the Gold-Spot Mullet, *Liza parsia* (Pisces, mugilidae) to *Paenodes mugilis* (Copepoda, Therodamasibae) Infection. **Sini Wilson. 2006.**
13. Comparative Study of the Hydrology of Clean and Polluted Region of the Ashtamudi Lake Adjoining Kollam Bus Station. **Vishnu S Raj. 2005.**
14. Molecular Response to Parasitic Infection: Protien Profiles of Gonads and Muscles of the Long-Arm Mullet, *Valamugil cunnusius* Infected by the Nematode *Philometra cephalus*. **Deepthi, G. R. 2003.**
15. Bioaccumulation of Carbofuran, A Carbamate Pesticide by Brown Mussel, *Perna indica*. **Layana Gopinath 2002.**
16. Proximate Composition of Certain Intertidal Organisms of Vizhinjam Coast, Kerala. **Lilly Pushpam, Y. 2001.**
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23. Trace Metals in Kottapuram Chettuva Kayal (Thrissur District). **Remesan, T. K. 1993.**
24. Studies on the Toxicity of Arsenic on a Fresh Water Prawn, *Macrobrachium idella idella*. **Lekha Mammachan. 1992.**
25. Studies on Starvation Stress on Edible Bivalves from Three Different Habitats of Kerala. **Varghese P. George. 1989.**
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1. First Report on Isolation, Screening and Optimization of Protease Production of *Bacillus* spp. **Mohammed Anzeer, F. 2014.**
2. First Report on Isolation of Selected Enteric Pathogens in Water and Sediments of Vattakkayal, Kollam, Kerala. **Surya Somaraj. 2014.**
3. First Report on Ecology and Planktonology of Vattakayal, Kollam, Kerala. **Neethu, G. P. 2014.**
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11. Benthic Ecology of Maha Vishnu Temple Pond, Kazhakootam, Trivandrum. **Anju, A. P. 2008.**
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☞ **Publications** (List appended)

Scientific papers published : 107

Chapters in books : 3

**Papers presented in
Seminars/Symposia : 26**

In Malayalam : 3

Radio Talks : 3

Text Books : 2

Other Articles : 2

Papers Communicated : 18

List of Publications of

Dr. TRESA RADHAKRISHNAN
(*alias* **TRESA V. FERNANDEZ**)

☞ **Scientific Papers in Journals**
Papers Published

1. Effect of Sensory Enhancement on Yellowfin Tuna (*Thunnus albacares*) Myofibrils. Apreshgi, K.P., **Tresa Radhakrishnan** and P.R. Dhanya, *Journal of Aquatic Biology and Fisheries*, Vol. 4 pp 1-1. **2016**.
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51. Linda John and **Tresa V. Fernandez**. Incidence of trace metal distribution in *Scylla serrata*, an edible crab from Ashtamudi estuary, in relation to size and sex. *J. Environ. Biol.*, **19**: 99-106. **1998**.
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☞ Papers in the Malayalam Language

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Papers Presented in Symposia/Seminars

1. Souji, S and **Tresa Radhakrishnan.** The density of two Perna species (Bivalvia: Mytilidae) in Vizhinjam Bay, its importance, future challenges and conservation needs. UGC National Seminar conducted by Zoology Department, University of Kerala, Palayam. **2015**
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