

Name : Dr. P. DAILIAH ROOPHA

Designation : Assistant Professor

Department : Zoology

Date of Joining : 16.06.2017

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EDUCATIONAL QUALIFICATION:

DEGREE	SUBJECT	INSTITUTION	YEAR COMPLETED
B.Sc	Zoology	Rani Anna Govt. College for Women, Tirunelveli.	Apr-02
M.Sc	Zoology	St.John's College, Tirunelveli.	Apr-04
M.Phil	Zoology	St.John's College, Tirunelveli.	Feb-06
Ph.D	Zoology	V.O.Chidambaram College, Tuticorin.	Feb-12

Specialization in Teaching:

Animal physiology, Entomology, Immunology, Aquaculture, Biostatistics, Developmental Biology, Cell Biology.

Specialization in Research:

Ph.D – Natural product antioxidants for oxidative stress induced by Xenobiotics in the reproductive physiology of Wistar rats

M.Phil – Postnatal exposure to chromium alters oxidant-antioxidant status in the uterus of matured Wistar rats

Research Interests:

Toxicology, Endocrinology, Biodiversity

RESEARCH EXPERIENCE

Topic & Institution	Years of experiences
Full time Research – “Natural product antioxidants for oxidative stress induced by Xenobiotics in the reproductive physiology of Wistar rats” at V.O.Chidambaram College, Tuticorin.	April 2007-February 2012 5 years (Full time)

TEACHING EXPERIENCES

Designation	Institution	Years of experiences
Assistant Professor	Sarah Tucker College(Autonomous), Tirunelveli, TamilNadu, India.	March 2011- April 2015
Assistant Registrar (Academic) & Senior Lecturer	St.Eugene University, Lusaka, Zambia.	May 2015 to July 2016
Assistant Professor	Sarah Tucker College (Autonomous), Tirunelveli, TamilNadu, India.	August 2016 to June 2017
Assistant Professor	The American College, Madurai, Tamil Nadu, India.	June 2017 to till date

ADMINISTRATIVE EXPERINCES

Institution	Years of experience
Assistant Registrar (Academic) in DMI-St.Eugene University, Lusaka, Zambia.	May 2015 to July 2016
Head of the Department in PG Department of Zoology(S/F), Sarah Tucker College, Tirunelveli, TamilNadu, India.	August 2016 to June 2017

MEMBERSHIP IN PROFESSIONAL SOCIETY

- ✓ Member in Society for Conservation & Resource Development of Medicinal Plant, India
- ✓ Reviewer and member of advisory board, Journal of Oxidants and Antioxidants in Medical Science, Turkey.
- ✓ Editorial Board member of Glacier Journal of Scientific Research, India.
- ✓ Life time member in Tamil Nadu Science Forum.

ACADEMIC CREDENTIALS/OTHER ACTIVITIES

- Project Associate - Service Learning Programme (Vaigai Ecology 2019 onwards).
- Member in Science Instrumentation Center (2018 onwards)
- Board of studies member (Subject Expert) in Pope's College, Sawyerpuram (2020 onwards).
- NAAC Committee member (Criterion II - 2019 onwards).
- Jury member in Tamil Nadu Science Forum Science Exhibition.
- Organizing member in the INSPIRE Internship Science Camp sponsored by DST, New Delhi (2020).
- Organizing member in the INSPIRE Internship Science Camp sponsored by DST, New Delhi (2018).
- Faculty of Community College Faculty (2017 onwards).
- Academic Advisor for UG Students (2018 onwards).
- External practical Examiner – Thiravium College of Arts & Science for Women, Theni.
- External Examiner – St.Mary's College, Tuticorin.
- Magazine Committee member in Sarah Tucker College (Autonomous), Palayamkottai. (2014-15).
- Association President in PG Department of Zoology, Sarah Tucker College (Autonomous), Palayamkottai. (2011-12, 2014-15, 2016-17).
- Organizing Secretary - International Seminar on Healthcare and Contraception, Sarah Tucker College, Palayamkottai.
- Organizing Secretary - "International Conference in Recent trends in Science Education, St.Eugene University, Zambia.
- Organizing Secretary - "National workshop on Health Care, Sarah Tucker College, Palayamkottai.
- Reviewer, Journal of Medicinal Plants Research, Academic Journals

RESOURCE PERSON

- ❖ Invited speaker in the National Seminar "Recent trends in Endocrinology" held on 24&25 February 2014 in the Department of Zoology, St.Xavier's College (Autonomous), Palayamkottai.

AWARDS

- ✓ **Adarsh Vidya Saraswati Rashtriya Puraskar – “National Award for Excellence 2019”** by Global Management Council, Ahmadabad, India.
- ✓ **Best Women Faculty Award 2019-2020** by Novel Research Academy, Pondicherry, Tamil Nadu, India.
- ✓ **Global Teacher Award 2021** by AKS Education, Educational Research Center, Gurugam, Hariyana, India.

PROJECT

- ❖ DNA barcoding of first recorded Redback Spider, *Latrodectus hasselti* Thorell, 1870 (Araneae: Theridiidae) in Eastern Ghats, Tamil Nadu - **Student Projects Scheme 2021-2022 (NO: BS-336)**, Tamil Nadu State Council for Science and Technology, DOTE Campus, Chennai-600025.

GUIDANCE

Degree Programme	Total no. of candidates
M.Sc Project	22
UG Project	3 Batches (13 students)

RESEARCH ARTICLES PUBLISHED

- **Roopha, P.D.,** R. Kishore, D. Joshua, A.A. Charles & N.P. Vimal. Record of the Redback Spider from the Eastern Ghats of Tamil Nadu. Bugs R All #207, In: Zoo’s Print 2021; 36(10): 15–18.
- **Dailiah Roopha P,** Arumugam K and Velraj B. A marine alga exhibits anti-toxicity potential on thyroid gland of albino rats. PARIPEX - Indian Journal of Research Volume (UGC Care Journal), 2021: (10) 09. **JIF: 6.941.** DOI : <http://www.doi.org.10.36106/paripex>
- **P.Dailiah Roopha,** M.Rajesh and J.Stella Mary. Screening of Some Traditionally Used Medicinal Plants For Their Potential Antibacterial Activity. Tathapi (UGC Care Journal), 2020;19 (42) 261-267.**JIF:5.60**

- **P. Dailiah Roopha**, B. Velraj and A. Joseph Thatheyus. Anti- Toxicity effect of *Sargassum wightii* extracts against cadmium in the ovary of female Albino Rats. International Journal of Scientific Research and Modern Education, 2020; 5 (1): 2455-5630. **JIF:7.137**
- **P.Dailiah Roopha**, C.Padmalatha and A. J. A. Ranjit Singh. Influence of herbal extract on the histopathological changes induced by cadmium in the ovary of female Wistar rats. Roots International Journal of multidisciplinary Researches, 2018;4(9): 87-94. **JIF: 3.487.**
- I.Viji Margaret and **P.Dailiah Roopha**. Comparative study of the physico-chemical characteristics of water samples collected from different ponds Tuticorin District, Tamil Nadu. Roots International Journal of multidisciplinary Researches, 2018;4(9): 95-98. **JIF: 3.487.**
- **P.Dailiah Roopha** and C.Padmalatha. Cadmium exposure-induced oxidative stress; delay in sexual maturation and impaired hormones in developing rat ovary. Journal of Oxidants and Antioxidants in Medical Science, 2013; 2(3):181-187.
- **P.Dailiah Roopha**, C.Padmalatha and A.J.A.Ranjith Singh. Upshot of herbal preparation on heavy metal (cadmium) provokes reproductive hormones in female Wistar rats. Medicinal Plants - International Journal of Phytomedicines and Related Industries, 2012; 4(4):218-225. **JIF: 3.484.**
- **P. Dailiah Roopha**, J. Savarimuthu Michael, C. Padmalatha and A. J. A. Ranjit Singh. Cadmium toxicity exposure – Induced oxidative stress in postnatal development of Wistar rats. Journal of Toxicology and Environmental Health Sciences Vol. 3(7) pp. 176-179.
- **P. Dailiah Roopha** and C. Padmalatha. Xenobiotic compounds exposure – Induced Lipid peroxidation and Hydrogen peroxide in postnatal development of Wistar rat's ovary. RAC Journal of Research, 2(3):92-98, August 2011.

- **P. Dailiah Roopha** and C. Padmalatha. Effect of herbal preparation on heavy metal (cadmium) induced antioxidant system in female Wistar rats. *Medical Toxicology*, (2012) 8:101–107, **JIF: 1.43**.
- Samuel JB, Stanley JA, **Roopha DP**, Vengatesh G, Anbalagan J, Banu SK, Aruldas MM. Lactational hexavalent chromium exposure-induced oxidative stress in rat uterus is associated with delayed puberty and impaired gonadotropin levels. *Human and Experimental Toxicology*, March 2010, 30; 91-101 **JIF: 1.44**

BOOK PUBLISHED

- **A Laboratory Manual** – Proceedings of practical workshop – I –Molecular Techniques in Life Sciences- ISBN 978-93-80368-40-5.

CONFERENCE PROCEEDINGS PUBLISHED

- ❖ “Effect of Seaweed on Cadmium toxicity in Thyroid gland of Albino rats” “ in the National Conference on Recent Trends in Biological Sciences (RTBS – 2020) – **Page no: 25**.
- ❖ Anti-toxicity effect of *Sargassum wightii* extract against Cadmium in the Ovary of female Albino rats” in the National Conference on Recent Trends in Biological Sciences (RTBS – 2020) - **Page no: 25-26**.
- ❖ Evaluation of Xenobiotic compounds (Cd, Cr) effect on histopathology of Freshwater Stinging Catfish, *Heteropneustes fossilis*” in the ‘National seminar on OCEANIA’17’ - **Page no: 15**.
- ❖ Coral Reefs in India and its Conservation” in the ‘National seminar on OCEANIA ’17’ - **Page no: 24**.
- ❖ Positive and Negative Impacts of Marine Biodiversity in Human Health” in the ‘National seminar on OCEANIA ’17’ - **Page no: 25**.
- ❖ Depletion, Degradation and Recovery Potential of Estuaries and Coastal Seas”in the ‘National seminar on OCEANIA ’17’ - **Page no: 19**.
- ❖ Comparative studies on the antimicrobial activity of herbal plants against some human bacterial pathogens” in the National Conference on Conservation of Aquatic and Terrestrial Biodiversity - **Page no: 6**.

- ❖ Screening of some traditionally used medicinal plants for potential antibacterial activity in the National Conference on Conservation of Aquatic and Terrestrial Biodiversity - **Page no: 5.**

INTERNATIONAL LEVEL CONFERENCE/SEMINAR–PAPER PRESENTATION

- ❖ “Avifaunal Diversity in Kiluvamalai, Madurai, Tamil Nadu” in the International Conference 7th India Biodiversity Meet 2019” in the Indian Statistical Institute, Kolkata on 19 – 21 Nov 2019 (**Paper presentation**).
- ❖ “Studies on the Antimicrobial Effects of *Zingiber Officinale Roscoe*, *Piper Nigrum*, *Nigella Sativa* and *Brassica nigra*” in the International Seminar on Healthcare and Contraception – ISHC-2017(**Paper Presentation**).
- ❖ “Screening of some traditionally used medicinal plants for potential antibacterial activity” in the International Conference in Recent trends in Science Education -NCRTE-2015” at St.Eugene University, Zambia(**Paper Presentation**).
- ❖ “Natural Herbal extraction for heavy metals (Cadmium & Chromium) persuaded Antioxidants in the uterus of Female Wistar rats” in the International seminar on DIET and DIABETES – DIA-FEST’14(**Paper Presentation**).

NATIONAL LEVEL CONFERENCE/SEMINARS-PAPER/POSTER PRESENTATION

- ✓ “Effect of Seaweed on Cadmium toxicity in Thyroid gland of Albino rats” “ in the National Conference on Recent Trends in Biological Sciences (RTBS – 2020 organized by PG and Research Dept of Zoology, The American College, Madurai on 3 Feb 2020 (**Paper presentation**).
- ✓ “Anti-toxicity effect of *Sargassum wightii* extract against Cadmium in the Ovary of female Albino rats” in the National Conference on Recent Trends in Biological Sciences (RTBS – 2020)” organized by PG and Research Dept of Zoology, The American College, Madurai on 3Feb 2020 (**Paper presentation**).
- ✓ ‘National conference on Western Ghats: Threats and Conservation (WGTC-2018) organized by PG and Research Dept of Zoology, The American College, Madurai in association with Save Western Ghats Movement (SWGCM) on 17 Oct 2018 (**Poster Presentation**)
- ✓ “Histopathology study of Herbal extracts on Cadmium Toxicity in the Ovary of Female Wistar Rats” in the National Conference Impacts of Pollution on Health and Restoration of

Quality Environment through Biotechnology Applications (EBAC-2018) (**Paper Presentation**).

- ✓ “Comparative Study of the Physiochemical Characteristics of Water Samples Collected from different Ponds of Tuticorin District, Tamil Nadu” in the ‘National Conference Impacts of Pollution on Health and Restoration of Quality Environment through Biotechnology Applications (EBAC-2018)’- (**Poster Presentation**).
- ✓ “Comparative studies on the Antibacterial effect of Food preservatives in the growth of Bacteria” in the ‘Recent Advances in Biological Sciences’ organized by Department of Biochemistry and Microbiology, Sourashtra College, Madurai on 22 September 2017(**Poster Presentation**).
- ✓ “Inhibitory Effect of Traditional Medicinal Plant extracts on pathogenic microorganisms” in the ‘Recent Advances in Biological Sciences’ organized by Department of Biochemistry and Microbiology, Sourashtra College, Madurai on 22 September 2017 (**Poster Presentation**).
- ✓ “Evaluation of Xenobiotic compounds (Cd, Cr) effect on histopathology of Freshwater Stinging Catfish, *Heteropneustes fossilis*” in the ‘National seminar on OCEANIA ’17’ organized by Sarah Tucker College, Tirunelveli on 01 Sep 2017 (**Paper Presentation**).
- ✓ “Coral Reefs in India and its Conservation” in the ‘National seminar on OCEANIA ’17’ organized by Sarah Tucker College, Tirunelveli on 01 Sep 2017(**Paper Presentation**).
- ✓ “Positive and Negative Impacts of Marine Biodiversity in Human Health” in the ‘National seminar on OCEANIA ’17’ organized by Sarah Tucker College, Tirunelveli on 01 Sep 2017(**Paper Presentation**).
- ✓ “Depletion, Degradation and Recovery Potential of Estuaries and Coastal Seas” in the ‘National seminar on OCEANIA ’17’ organized by Sarah Tucker College, Tirunelveli on 01 Sep 2017(**Paper Presentation**).
- ✓ “Comparative studies on the antimicrobial activity of herbal plants against some human bacterial pathogens” in the National Conference on Conservation of Aquatic and Terrestrial Biodiversity-NCAT-2015(**Paper Presentation**).
- ✓ “Screening of some traditionally used medicinal plants for potential antibacterial activity” in the National Conference on Conservation of Aquatic and Terrestrial Biodiversity-NCAT-2015 (**Paper Presentation**).

- ✓ “Oxidant – Antioxidant Status in the Uterus of matured Rats on exposure to Chromium”- State level seminar on Recent Trends in Environmental Safety-2006 at Rani Anna Govt.College for Women, Tirunelveli, India – 2006 (**Best paper presentation**).

CONFERENCE/SEMINAR/WORKSHOP – PARTICIPATION

- National Conference on “Quality Enhancement & Sustenance In Higher Education” organized by IQAC, The American College on 6 March, 2020
- UBCHEA sponsored Faculty Development Programme (FDP 2020) “Emerging Leaders of Service Learning Programme on 13 -16 Feb 2020 organized by The American College.
- “National Conference on Recent Trends in Biological Sciences (RTBS – 2020)” organized by PG and Research Dept of Zoology, The American College, Madurai on 3 Feb 2020.
- “Entrepreneurship Development Programme in Sericulture” organized by Central Silk Board and UG Department of Zoology, The American College.
- “International Conference 7th India Biodiversity Meet 2019”, held in the Indian Statistical Institute, Kolkata on 19 – 21 Nov 2019.
- “National Conference on Wildlife: Threats and Conservation, organized by PG and Research Dept of Zoology, The American College, Madurai, on 18 Oct 2019.
- Curriculum development Workshop held in the PG and Research Dept of Zoology, The American College, Madurai on 21 June 2019.
- ‘National conference on Emerging trends in Entomology (ETIE-2019)’ organized by PG and Research Dept of Zoology, The American College, Madurai on 7&8 March 2019.
- ‘National conference on Coral reef: Threats and Conservation (CRTC-2019)’ organized by PG and Research Dept of Zoology, The American College, Madurai on 12 February 2019.
- ‘National conference on Western Ghats: Threats and Conservation (WGTC-2018)’ organized by PG and Research Dept of Zoology, The American College, Madurai in association with Save Western Ghats Movement (SWG M) on 17 Oct 2018.
- “Advanced separation and Detection seminar” held at Madurai on 5 September 2018 organized by Agilent Technologies India Pvt.Ltd.
- ‘National Conference Impacts of Pollution on Health and Restoration of Quality Environment Through Biotechnology Applications (EBAC-2018)’ organized by PG and

Research Dept of Zoology and Dept of Immunology & Microbiology, The American College, Madurai during 2 & 3 Feb 2018.

- National seminar on ‘Recent Advances in Biological Sciences’ organized by Department of Biochemistry and Microbiology, Sourashtra College, Madurai on 22 September 2017.
- ‘National seminar on OCEANIA ’17’ organized by Sarah Tucker College, Tirunelveli on 01 Sep 2017.
- “National Seminar on Health status of women in India” organized by the Department of Economics and Research Centre, Sarah Tucker College, Palayamkottai -2017.
- “State Level Seminar on Current Trends in Nature Conservation” conducted by PG Department of Zoology, Aditanar College of Arts and Science, Tiruchendur, Tamil Nadu, India- 2017.
- “State Level Seminar on Biodiversity Conservation” conducted by Department of Botany and Department of Food Science and Nutrition, Sarah Tucker College, Palayamkottai -2017.
- “International Research Dissemination Seminar” at University of Zambia (UNZA), Zambia - 2015.
- “National Conference in Recent trends in Science Education -NCRTSE-2015” at St.Eugene University, Zambia.
- National Conference on Conservation of Aquatic and Terrestrial Biodiversity at St.John’s College, Palayamkottai, TamilNadu, India -2015.
- International seminar on DIET and DIABETES – DIA-FEST’14 at Sarah Tucker College, Palayamkottai, TamilNadu, India -2014.
- National seminar on “Recent trends in Endocrinology” conducted by Department of Zoology, St.Xavier’s College Palayamkottai-2014.
- “National workshop on Health Heed – NWHH’14” at Sarah Tucker College, Palayamkottai, TamilNadu, India -2014.
- National workshop on “NEFFF’13 –Nellai Fish Food Festival” for fish production and value added products conducted by St.Xavier’s College Palayamkottai-2013.
- “Instrument maintenance training programme” at Sarah Tucker College, Palayamkottai - 2013.
- “Faculty Enrichment Workshop” at Sarah Tucker College, Palayamkottai -2012.

- National seminar on “New Vistas of genetically modified crops and Food processing” conducted by Department of Botany and Department of Food Science and Nutrition, Sarah Tucker College, Palayamkottai -2012.
- “Marine Biodiversity Richness and Plant-Animal interaction” National workshop cum awareness programme conducted by Gulf of Mannar Biosphere Reserve Trust & Forest Department, Ramanathapuram-2011.
- “Faculty Enrichment Workshop” at Sarah Tucker College, Palayamkottai -2011.
- State level seminar on “Recent Trends in Environmental Safety” at Rani Anna Govt.College for Women, Tirunelveli, India – 2006
- “Regional Workshop on Techniques in Biology” conducted by St.John’s College, Palayamkottai-2004.
- III South Zone “CME MEET” at Vivek Institute of Laboratory Medicine, Nagercoil - 2004.
- “Animal preservation training” conducted by Archaeological Department, Tirunelveli -2001.

ORIENTATION PROGRAMME

- ❖ UGC – sponsored Orientation Programme conducted by UGC – Human Resource Development Center, Madurai Kamaraj University held from 10th July to 30th July 2019.

ONLINE FACULTY DEVELOPMENT PROGRAMME

- Interdisciplinary Refresher course/Two weeks online Faculty Development Programme (FDP) – “Advanced Research Methodology 2.0” , organized by Teaching Learning Centre, Ramanujan College, University of Delhi and Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching from 17 June to 1 July, 2021.
- Two weeks online Faculty Development Programme (FDP) – “Pedagogy and Research Methods” , organized by of Human Resource Development Centre and Internal Quality Assurance Cell (IQAC) of AMET University from 24 May to 6 June,2021.
- Five days International Online Faculty Development Programme (FDP) – “Soft skills for capacity building”, organized by Joseph’s Academy of soft skills, St.Joseph’s College (Autonomous) from 22 February to 26 February, 2021.

- Two weeks online Faculty Development Programme (FDP) – “Advanced concepts for Developing MOOC” , organized by Teaching Learning Centre, Ramanujan College, University of Delhi and Ministry of Human Resource Management, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching from 02 July to 17 July, 2020.
- Three days online Faculty Development Programme (FDP) – “Academic Process, Measures and Metrics for NACC Accreditation” organized by IQAC & Department of Management Studies, Srinivasan College of Arts & Science, Perambalur collaboration with Integrated Intelligent Research (IIR), India from 25 May to 27 May, 2020.

WEBINAR PARTICIPATION

- ✓ National Webinar on “Orientation Programme for RE-Accreditation of Autonomous Colleges” organized by The National College (Autonomous), Bangalore on 3 June, 2021.
- ✓ National Webinar on celebrating “World Turtle Day” on the topic "Learning from advocates of the ocean: Sea-turtles and their role in the health of the coast and high seas" Organized by Nature Club of Rajapalayam Rajus’ College and Wildlife Association of Rajapalayam (WAR) on 23 May, 2021
- ✓ National Level Webinar on celebrating “World Biodiversity Day” on the topic “We're Part of The Solution” Organized by Nature Club of Rajapalayam Rajus’ College and Wildlife Association of Rajapalayam (WAR) on 22 May, 2021.
- ✓ National Level Webinar on International Biodiversity day on the topic “Plant, Planet & People” organized by spotlight MDU Educational Youtube Channel 22 May, 2021.
- ✓ Webinar on the topic “Wildlife Resources of Oriental Region: Conservation Challenges” Organized by Faculty of Applied Sciences, AIMST University - 08100 Semeling, Kedah Darul Aman, Malaysia on 3 July 2020
- ✓ Webinar on the topic “Self Awareness and Social Responsibility During COVID 19 Pandemic”, organized by the Ladies Club of The American College, Madurai on 13.06.2020.
- ✓ International Webinar on “Recent Avenues in Biochemistry” organized by Department of Biochemistry, The American College, Madurai on 11 & 12 June 2020.
- ✓ International Webinar on Omics & Disease Marker held on 9th June 2020 Organized by Dept. Botany & Biotechnology St. Pious X Degree & PG College for Women, Hyderabad.
- ✓ Four days digital interaction series on the occasion of “World Environment Day 2020 “from 02.06.2020 to 05.06.2020. Organized by ENVIS RP – Centre for Coastal Zone Management

and Coastal Shelter Belt, Institute for Ocean Management, Anna University, Chennai and Ministry of Environment, Forest and Climate Change, Government of India.

- ✓ National Webinar on Covid 19 – “A Herculean Challenge to Human Immunology” organized by PG and Research Dept of Zoology, St. Mary’s College (Autonomous), Tuticorin on 5 June 2020.
- ✓ Webinar organized by Ladies club of the American College on 27 May 2020.
- ✓ National webinar on “Bio Diversity” organized by ECO Club, MannarThirumalai Naicker College, Madurai on 22 May 2020.
- ✓ International Webinar on “Biodiversity” organized by PG and Research Department of Zoology, The American College, Madurai on 22 May 2020.

ONLINE COURSE

- Three Day online course on “Apiculture” organized by Department of Zoology, Ayya Nadar Janaki Ammal College from 13-15 May 2020.