FACULTY PROFILE

Personal Details

Name : **DR. MEENU MANIRADHAN**

Department : Zoology, Reproductive Toxicology

Designation : Assistant Professor (Contract),

Educational Qualification : M.Sc, Ph.D., NET, JRF

Area of Specialisation : Zoology

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Academic Identity

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Education

Sl. No.	Degree	Institution/University	Year
1	B.Sc. Zoology	Christian College, Chengannur, Kerala University, Kerala, INDIA	2016
2	M.Sc. Zoology	St. Berchmans College, Changanassery, Mahatma Gandhi University, Kerala, INDIA	2018

3	Ph.D. Life Sciences (Specialization - Reproductive Toxicology)	Central University of Tamil Nadu, Thiruvarur, INDIA	2025

Career Profile

Sl. No.	Institution/Organization	Designation	Period
1	Christian College, Chengannur, Kerala	Guest Lecturer	Jan 2019-Aug 2019

Positions Held or Holding, if any

Sl. No.	Position	Period
1	Association Secretary, Department of Zoology, Christian College, Chengannur, Kerala	Jan 2019-Aug 2019

Research Publications

Sl. No.	Publication Details
1.	**Maniradhan, M.** (2026). BPA and male reproductive health: Mechanistic insights, toxicological implications, and the protective role of antioxidants. Journal of Applied Toxicology. Published online: 3 July 2026. DOI: 10.1002/jat.70320. Indexed in Scopus and Web of Science (SCIE); Scopus Q2; JCR Q2.
2.	Sivagurunathan, N., **Maniradhan, M.,** Anbiah, V. S., & Calivarathan, L. (2025). Asiatic acid augments N-acetylcysteine hepatoprotection against acetaminophen-induced liver injury in C57BL/6 mice. Biomedical and Biotechnology Research Journal, 9(4), 378–386. DOI: 10.4103/bbrj.bbrj_290_25. Indexed in Scopus; Scopus Q3 (Biotechnology) / Q2 (Medicine).
3.	**Maniradhan, M.,** Sivagurunathan, N., Anbiah, V. S., Unnikrishnan, A., & Calivarathan, L. (2024). Selenium ameliorates oxidized phospholipid-mediated testicular dysfunction and epididymal sperm abnormalities following BPA exposure in adult Wistar rats. Reproductive Toxicology, 130, 108751. DOI: 10.1016/j.reprotox.2024.108751. Indexed in Scopus and Web of Science (SCIE); Scopus Q2; JCR Q2.
4.	**Maniradhan, M.,** Sivagurunathan, N., Anbiah, V. S., & Calivarathan, L. (2024). In utero and lactational exposure alters testicular function in adult Wistar rats. Toxicology and Environmental Health Sciences, 16(4), 581–593. DOI: 10.1007/s13530-024-00236-6. Indexed in Scopus and

	Web of Science (ESCI); Scopus Q3; JCR Q4.
5	**Maniradhan, M.,** & Calivarathan, L. (2022). Bisphenol A-induced endocrine dysfunction and its associated metabolic disorders. Endocrine, Metabolic & Immune Disorders – Drug Targets, 22(4), 515–529. DOI: 10.2174/1871530322666220928144043. Indexed in Scopus and Web of Science (SCIE); Scopus Q3; JCR Q3.

Books Published

Sl. No.	Book Details
1	Calivarathan, L., **Maniradhan, M.,** Mathur, P.P. (2022). Environmental Contaminants, Oxidative Stress, and Reproductive Cancer. In Handbook of Oxidative Stress in Cancer: Mechanistic Aspects. Springer Nature, Singapore. DOI: 10.1007/978-981-15-9411-3_34.
2	Calivarathan, L., **Maniradhan, M.,** Janardhanan, P., & Mathur, P. P. (2022). Environmental Contaminants and Male Reproductive Health: Past, Present, and Future. In Environmental Studies and Climate Change, pp. 361–372. CRC Press. DOI: 10.1201/9781003220824-27.
3	**Maniradhan, M.,** Gopika V.B. (2023). A Comparative Study on the Colony Organization and Antennal Sensilla Profile of Oecophylla smaragdina and Anoplolepis gracilipes. In Insights into the Current Scenario of Conservation of Natural Resources in India, pp. 116–140. Biodiversity Conservation Foundation. ISBN: 978-81-955268-2-6.

Invited Lectures/Paper Presentations in Conferences

Sl. No.	Conference & Presentation Details
1	Maniradhan, M., Sivagurunathan, N., & Calivarathan, L. Mechanistic Insights into BPA-Induced Testicular Toxicity Following In Utero and Lactational Exposure in Adult F1 Male Rats. **International Seminar on Beyond Borders: Scientific Nexus and Global Trends in Next Generation Interdisciplinary Research, St. Mary's College (Autonomous), Thrissur**, Kerala, India, GYRA, 16 December 2025. Best **Oral Presentation Award.**
2	Maniradhan, M., Sivagurunathan, N., Anbiah V. S., & Calivarathan, L. BPA-induced testicular dysfunction: ameliorative effect of selenium. **BIOANVESHANA 2024, University of Hyderabad, Hyderabad**, India, 15–18 February 2024. **Best Oral Presentation Award.**
3	Maniradhan, M., Sivagurunathan, N., & Calivarathan, L. Developmental exposure to BPA and reproductive toxicity in Wistar rats. **International Conference on Molecular Medicine, Reproduction and Endocrinology (ICMMRE 2023), Navrachana University, Vadodara, Gujarat,** India, 14–16 September 2023. **Best Oral Presentation Award.**

4	Maniradhan, M., Sivagurunathan, N., Anbiah V. S., & Calivarathan, L. In utero and lactational exposure to bisphenol A alters the testicular functions in male rats**.** **International Conference on Molecular Medicine and Therapeutics (ICMT 2023), Annamalai University, Chidambaram**, India, 7–9 January 2023.
5	Maniradhan, M., Gopika V.B. A comparative Study on the Colony Organization and Antennal Sensilla Profile of Oecophylla smaragdina and Anoplolepis gracilipes. **National e-Conference on Insights into the Current Scenario of Conservation of Natural Resources in India, Thanthai Periyar Government Arts and Science College, National Biodiversity Authority & Biodiversity Conservation Foundation, India,** 24–25 March 2022.

Awards/Achievements

Sl. No.	Details	Year
1	Best Oral Presentation Award – International Seminar on Beyond Borders: Scientific Nexus and Global Trends in Next Generation Interdisciplinary Research. St. Mary's College (Autonomous), Thrissur, Kerala, India, Global Young Research Academy (GYRA)	2025
2	Best Oral Presentation Award – International Conference on Frontiers in Basic Biology, Biotechnology & Bioinformatics (BIOANVESHANA 2024), University of Hyderabad, India	2024
3	Best Oral Presentation Award – International Conference on Molecular Medicine, Reproduction & Endocrinology (ICMMRE 2023), Navrachana University, Vadodara, India	2023
4	**CSIR-UGC Junior and Senior Research Fellowship** (JRF & SRF)	2018
5	Selected to attend the **2nd DST-SERB School on Chemical Ecology**, held at the **Indian Institute of Science (IISc)**, Bengaluru	2018