

## SARANYA M K

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### ACADEMIC QUALIFICATIONS

Examination	Board/University	Year	% of Marks
<b>Ph.D.</b>	University of Mysore	2020	-
<b>M.Sc. Zoology</b>	University of Mysore	2013	85.79
<b>B.Sc. Zoology</b>	Mahatma Gandhi University	2011	91.00
<b>12<sup>th</sup></b>	Higher secondary board, Kerala	2007	81.16
<b>10<sup>th</sup></b>	Central Board of Secondary Education	2005	83.20

### ACADEMIC DISTINCTIONS

- **Best student of the year award** (2010-11), Nirmala College, Muvattupuzha
- Award for the **top scorer in Final year B.Sc. Zoology practical examination** (2010-11), Nirmala college, Muvattupuzha
- **Summer Research Fellowship** (Indian Academy of Sciences, 2011).
- **2<sup>nd</sup> rank in M.Sc. Zoology**, University of Mysore (2011-13)
- **52<sup>nd</sup> rank in GATE (Ecology)**, 2014

### WORK EXPERIENCE

Position	Work done	Duration
Guest faculty, <b>Department of Studies in Zoology, University of Mysore, Manasagangotri</b>	<ul style="list-style-type: none"><li>• Conducting theory classes for MSc students.</li><li>• Monitoring and carrying out laboratory classes</li><li>• Conducting tutorials and discussions</li><li>• Leading students during field visits.</li><li>• Conducting internal assessment in theory and practical examinations in part or whole.</li><li>• Conduct of practical examinations</li></ul>	September 2014 to March 2016
Junior research fellow,	<ul style="list-style-type: none"><li>• Designing of experiments</li><li>• Implementation of the experiments</li></ul>	

UGC MRP, University of Mysore	<ul style="list-style-type: none"> <li>• Animal handling</li> <li>• Judicious use of funds allocated under different heads in the project</li> <li>• Procurement of equipment, chemicals, stationaries and services required for the work.</li> <li>• Maintaining records of funds released and utilized for the project</li> <li>• Preparing statement of expenditure, utilization certificate and other official papers related to the project</li> <li>• Preparing project reports</li> </ul>	June 2016 to June 2018
Guest faculty, Department of Zoology, All Saint's College, Thiruvananthapuram	<ul style="list-style-type: none"> <li>• Conducting theory classes for BSc students.</li> <li>• Monitoring and carrying out laboratory classes</li> <li>• Conducting internal assessment in theory and practical examinations in part or whole.</li> </ul>	

## PROJECTS

- *Study on the diversity of Dung beetles across different vegetation types*, under the guidance of **Dr. Priyadarsanan Dharmarajan, ATREE**, Bangalore.
- *Studies on prevention of radiation induced Premature ovarian failure in mouse* (UGC MRP), under the Guidance of **Prof. H. N. Yajurvedi, University of Mysore**

## PROJECT EXPERIENCE WITH HUMAN SUBJECTS

- *A Study on McClintock Effect*, under guidance of Ms. Lally Mathew, Nirmala college, Muvattupuzha  
The study focused on menstrual synchronization among women housed together, and the methodology focused mainly on survey rather than sampling.
- *A study on health hazards of Traffic Police men in Mysore city*, under the guidance of **Prof. S. S. Malini, University of Mysore**.  
The study on health hazards of traffic police men included collection of human samples such as blood and urine, and human ethical committee clearance was acquired from the institutional ethical committee. The study involved both survey and sample analyses.

## FELLOWSHIPS RECIEVED

- Summer research fellowship, Indian Academy of Sciences (2011)
- UGC Junior research fellowship under Major research project (2016-18)
- DST- KSTePS fellowship for meritorious research scholars (2019- 20)

## CONFERENCES/WORKSHOPS ATTENDED

- Workshop on Student projects, Tropical Institute of Ecological Sciences (2010)
- Workshop on alternatives to the use of animals in life science education, University of Mysore (2011)
- Workshop on ethical treatment of experimental animals and alternatives to animal models (2012)
- 103<sup>rd</sup> Indian science congress, University of Mysore (2016)
- National symposium on chronobiology (2016), University of Mysore
- Symposium on Clinical nutrition and dietetics- current practices and future trends (2018), University of Mysore
- Symposium on Advances in biological research (2018), CSIR- CFTRI, Mysore

## RESEARCH PAPERS PUBLISHED

- **Saranya, M.K.**, Athira V. R., Shivanandappa T., Yajurvedi, H.N. 2017. Effect of gamma radiation on adult mice ovary : A model for premature ovarian failure due to loss of early germinal cells. *Journal of radiobiology*, (1):e02: 1-7.
- **Saranya, M. K.**, Yajurvedi, H. N. 2020. The effect of whole body irradiation on the uterus of mice. *Indian journal of natural sciences*, 10:58; 18127-18133.
- Athira, V. R., **Saranya, M.K.**, Shivanandappa T., Yajurvedi, H.N. 2020. Multiple dose treatment reduces cyclophosphamide- induced ovarian follicular loss in mice. *Birth Defects Research*, 112; 71- 80.

## PAPERS PRESENTED IN CONFERENCES

- The protective effect of *Decalepis hamiltonii* extract on the radiation-induced damage in mice ovary. *National Symposium on Reproduction and Early Development*, March 7-8, 2018, Karnatak University, Dharwad.

## EXTRA CURRICULAR ACHIEVEMENTS

- Association Secretary, Dept. of Zoology, Nirmala College, Muvattupuzha (2009- 10)
- National Cadet Corps membership with B-Certificate (2009)
- Participation in Bird race- 2009 conducted by Cochin Natural History Society.

## TECHNICAL SKILLS

- Animal handling (small mammals)
- Tissue processing and staining for histological studies
- Immunohistochemical analyses
- Biochemical assays in mammalian tissues

## MANAGEMENT AND COMMUNICATION SKILLS

- Planning and executing different stages of project
- Managing the budget effectively
- Acquiring the equipment and chemicals required for the project work
- Assessing the risks and opportunities
- Mapping out the timelines
- Communicating with the funding agency/agencies effectively
- Preparing and presenting the progress of the project on timely basis

## PERSONAL DETAILS

- **Date of Birth:** 14<sup>th</sup> August 1989.
- **Languages Known:** English, Malayalam and Kannada
- **Marital status:** Married

## Reference

- **Dr. Priyadarsanan Dharma Rajan**, Senior fellow & Program leader, Ashoka Trust for Research in Ecology and the Environment, Bangalore.  
Contact No: 9449057364  
Email id: priyan@atree.org
- **Dr. H. N. Yajurvedi**, Professor (Retd.), Department of Studies in Zoology, University of Mysore, Manasagangotri, Mysore- 06  
Contact No: 9740970928  
Email id: hnyajurvedi@rediffmail.com

- **Dr. T. Shivanandappa**

Emeritus scientist,

Department of Studies in Zoology, University of Mysore,

Manasagangotri, Mysore- 06

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## DECLARATION

**I hereby solemnly declare that all the statements made above are true and correct to the best of my knowledge and belief.**



SARANYA M K