

# PROFILE



**Dr. S. MARIAPPAN**

**ASSISTANT PROFESSOR**

**PG & RESEARCH DEPT OF ZOOLOGY**

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## EDUCATION

<b>Degree/ Examination</b>	<b>Year of Passing</b>	<b>Board/ University</b>
Ph.D. Animal science	2018	Bharathidasan University Tiruchirappalli
M.Sc (Zoology)	2015	Alagappa University Karaikudi
M.Phil. (Biotechnology)	2011	Manonamiam Sundaranar University Tirunelveli
M.Sc (Biotechnology)	2010	Bharathidasan University Tiruchirappalli
B.Sc (Zoology)	2008	Manonmaniam Sundaranar University Tirunelveli
CLASS XII	2005	State Board
CLASS X	2003	State Board

## PROJECT

- Behavioral and genomic response of the Indian short-nosed fruit bat *Cynopterus sphinx* to the distress call of conspecifics (Ph.D. Work)
- Identification, Molecular characterization, Clinical prognosis and Therapeutical intervention of the novel disease outbreak in Sheep Flock (M.Phil. work)

- Effect of nutritional and environmental factors for the production of cellulase (M.Sc. work).

## PUBLICATIONS

- ❖ **S. Mariappan**, S. Nagoor Meeran Mydeen, S. Johnson Retnaraj Samuel, J. Jegathambigai, K. Emmanuel Rajan and S. Sudhakar. *Bacillus* sp. causing abscessation in sheep and goat population. (2012) **Current Science** **103 (8): 921-925**.
- ❖ **S. Mariappan**, B. Wieslaw, G. Marimuthu and K. Emmanuel Rajan. Distress calls of the greater short-nosed fruit bat *Cynopterus sphinx* activate hypothalamic-pituitary-adrenal (HPA) axis in conspecifics (2013) **J Com Physiol A** **199(9):775-783**.
- ❖ **S. Mariappan**, B. Wieslaw, H. Raghuram, G. Marimuthu and K. Emmanuel Rajan. Structure of distress call: implication for specificity and activation of dopaminergic system (2016) **J Com Physiol A** **202(1):55-65**.

## National Conferences/ Presentations

1. **S. Mariappan, R. Kalaivani and A. Arun Vickram**. Effect of nutritional and environmental factors for the production of cellulose. Conducted by C.N. College, Erode, 22<sup>nd</sup> and 23<sup>rd</sup> January 2010.
2. **S. Mariappan**, B. Wieslaw, G. Marimuthu and K. Emmanuel Rajan. Distress calls of the greater short-nosed fruit bat *Cynopterus sphinx* activate hypothalamic-pituitary-adrenal (HPA) axis in conspecifics conducted by School of Biological sciences, Madurai Kamaraj University, 28<sup>th</sup> Feb, 2013.
3. **S. Mariappan**, B. Wieslaw, H. Raghuram, G. Marimuthu, and K. Emmanuel Rajan. Structure of distress call: implication for specificity and activation of dopaminergic system conducted by School of Biological sciences, Madurai Kamaraj University, 27<sup>th</sup> and 28<sup>th</sup> Feb, 2014.
4. **Dr. S. Mariappan**. *Bacillus* sp. causing abscessation in sheep and goat population. Conducted by ICMR and DST-SERB sponsored M.G.R college, Hosur, 31<sup>st</sup> January and 1<sup>st</sup> February 2018.

## CONFERENCE AND WORKSHOPS PARTICIPATION

### Conference/seminar Participation

1. Participated in National conference on Facets of Biotechnology, held on 19<sup>th</sup> January, 2006, organized by Sri Parasakthi college for women courtallam.
2. Participated in ADZOOXCOM– 2008, conducted by Department of Advanced Zoology and Biotechnology, St.Xavier's College, Playamkottai on 1<sup>st</sup> March 2008.
3. Participated in Frontier areas of biotechnology conducted by Department of Biotechnology, Microbiology, Bioinformatics and Biochemistry, Meenaakshi Ramasamy Arts & Science College Thathanur, on 16<sup>th</sup> SEP 2009.
4. Participated in National seminar on Industrial aspects of antibody production, held on 23 -24<sup>th</sup> February, 2011, organized by Department of Biotechnology M.S.University.
5. Participated in conference on 3R Concept and its Practice in Academia and Research, held on 2<sup>nd</sup> October, 2011, organized by Mahatma Gandhi-Doerenkamp Center (MGDC) for Alternatives to Use of Animals in Life Science Education, Bharathidasan University.
6. Participated in National seminar on Recent and advances in Molecular Biology techniques, held on 12<sup>th</sup> september 2011. Conducted by Microbial Biotechnology laboratory, Department of Marine Biotechnology, Bharathidasan University.
7. Participated in National seminar on Innovations,Implementations and Controversies of Animal Biotechnology (NC11CAB-2014). held on 20<sup>th</sup> -21<sup>st</sup> March 2014 conducted by Department of Animal Science, Bharathidasan University.

### Workshops

1. National Seminar-cum-Workshop on Molecular Tools for Gene Expression Analysis, held on 19<sup>th</sup> – 21<sup>st</sup> January, 2016. Organised by Behavioural Neuroscience Laboratory, Department of Animal Science, Bharathidasan University.

## DIPLOMA COURSES / TRAINING

- **Medical Laboratory Technician Course (MLT)**
- **PGDCA**
- **NCC (B & C certificate with A grade)**

## TECHNICAL SKILLS

<b>Biochemistry</b>	Estimations of biomolecules - Protein, Carbohydrate, DNA (Spectrometry), RNA etc., Separation techniques – Paper, Thin and Column chromatography
<b>Microbiology</b>	Handling of Microorganisms Staining and pure culture techniques Microbial enumeration Phenotypic and Genotypic identification of Microbes Bacterial growth curve
<b>Molecular Biology</b>	Extraction and purification of Plasmid DNA, Genomic DNA, RNA isolation and Real time PCR Agarose gel electrophoresis SDS-PAGE, Gel elution PCR and Cloning Strategies Western blotting etc., Histology and Immunohistochemistry Fluorescent microscopy handling and documentation.

## TEACHING EXPERIENCE

Working as an Assistant Professor in **YADAVA COLLEGE, MADURAI** from August 2017 to till now.