



## DR SHONIMA GOVINDAN M

**Designation:** Assistant Professor, Head of Department

**Qualification:** Ph D

**Email-ID:** [Shonima.g@gmail.com](mailto:Shonima.g@gmail.com)

Facilitator and Researcher with Nine years of experience in teaching at Undergraduate and Post Graduate level. Secured PhD in Biochemistry from Mahatma Gandhi University, Kottayam in the year 2012. Supervised 8 PG projects.

### EDUCATIONAL QUALIFICATION

MSc., PhD

### WORK EXPERIENCE

9 years as Assistant Professor

### AREA OF INTERESTS

Bioactive Natural Product

### PUBLICATIONS

- Shonima Govindan M , Jiji Thomas (2021) Anti-inflammatory Activity of Sulphated Polysaccharide Isolated from *Ulva fasciata*, *International Journal for Research in Applied Science & Engineering Technology (IJRASET)*, 9( XI), 2041-43.
- Bincy Mol P.K, Shonima Govindan M and A.A.M Kunhi (2017). *Phytochemical Analysis and Evaluation of Larvicidal Property of Leaf Extracts of Pogostemon quadrifolius against Culex quinquefasciatus*, *IOSR Journal of Biotechnology and Biochemistry*, 3(6), 39-44.

- Jiji Thomas., Shonima Govindan M., Muraleedhara Kurup, G. (2014). *Isolation and characterisation of mosquitolarvicidal compound from Gliricidia sepium* Jacq. *International Journal of Pharma Research and Health Sciences*, 2(2), 173-178.
- Jiji Thomas., Shonima Govindan M., Muraleedhara Kurup, G. (2014). *Smoke Repellent Action of Eicosatrienoic Acid from Gliricidia Sepium against Filarial Vector Mosquitoes*. *International Journal of Research Studies in Biosciences*, 2(3), 14-20.
- Shonima, G.M., Jiji Thomas, Muraleedhara Kurup, G. (2012). *In vitro* antioxidant and antitumor activity of polysaccharide isolated from *Ulva fasciata*. *International Journal of Pharma and Biosciences*, 3(3), 238-246.
- Shonima, G.M., Jiji Thomas, Pratheesh P.T, Muraleedhara Kurup, G. (2012). *Ex vivo* anticoagulant activity of polysaccharide isolated from *Ulva fasciata*. *International Journal of Life Sciences, Biotechnology and Pharma Research*, 1(3), 194-97.
- Pratheesh P.T., Shonima, G.M., Abraham C.A., Jiji Thomas., Muraleedhara Kurup, G. (2012). Study on efficacy of different *Agrobacterium tumefaciens* strain in genetic transformation of microalga *Chlamydomonas reinhardtii*, *Advances in applied science research*, 3(5), 2679-2686.
- Jiji Thomas., M.Shonima Govindan , G. Muraleedhara Kurup. (2013). Mosquito larvicidal activity of 8, 11, 14 -eicosatrienoic acid of *Gliricidia sepium* Jacq. *JBiopest*, 6(2), 178-181.
- Jiji Thomas., Shonima, G.M., Pratheesh, P.T., Muraleedhara Kurup, G. (2012). Larvicidal activity of *Gliricidia sepium* against *Culex quinquefasciatus*. *International Journal of Pharma and Biosciences*, 3(3), 614-618.
- Thomas Jiji, Govindan M. Shonima, Pratheesh P. T and Kurup G. Muraleedhara (2012). Larvicidal activity of indigenous plants against *Culex quinquefasciatus*. *Journal of Environmental Research and Development*, 7(1A), 354-360.

#### Book chapters published

- Marine and Coastal Biodiversity 'Antibacterial activity of sulfated polysaccharide isolated from a new source of Sea algae (*Ulva*) of Kerala Coast.

## PRESENTATIONS

### Conferences Presentation and Publication

- **Shonima Govindan M** (2021) Extraction, characterisation and antithrombotic activity of polysaccharide from *Ulva fasciata*. International Webinar on Current Trends in Advanced Biomedical Technology organised by Dept.of Biosciences, Nehru Arts and Science College, Coimbatore.
- **Shonima G.M.**, Muraleedhara Kurup G. (2012). Evaluation of antithrombotic characteristic of a polysaccharide fraction isolated from *Ulva fasciata*. *International Conference on Challenges in Biotechnology and Food Technology* proceedings,

**Department of Technology, Faculty of Engineering and Technology & Faculty of Marine Sciences, Annamalai University, Tamilnadu.**

- **Shonima, G.M.**, Muraleedhara Kurup, G. (2010). Antithrombotic activity of sulphated polysaccharide isolated from a new source of Algae (*Ulva*) of Kerala Coast. *Kerala Women Science Congress 2010* Proceedings, pp. 41.
- **Shonima, G.M.**, Muraleedhara Kurup, G. (2009). Antithrombotic and antibacterial activity of sulphated polysaccharide isolated from a new source of Algae (*Ulva*) of Kerala Coast. *Young Scientist contest-Kerala Science Congress 2009* Proceedings.

**Posters**

- International conference on Environment, Genes, Health and Diseases-2011, Human Molecular Genetic Laboratory, Bharathiar University.
- National workshop on taxonomy, culture and industrial application of algae sponsored by KSCSTE, CSIR, DBT and DST and conducted by the Post graduate and Research Department of Botany St. Thomas College, Kozhenchery.

**WORKSHOPS/ TRAINING ATTENDED**

**FDP & WORKSHOPS ATTENDED**

- *6 Days National level Intercollegiate Faculty Development Program on Outcome Based Education.*
- *7-day National Level Faculty Development Programme on Prudent Teaching Dynamics.*
- *FDP on Practical Aspects of ICT Tools & Online Teaching in Current Scenario.*
- *8-day Online Faculty Development Programme for College Teachers*
- *FDP on E learning*
- *National workshop on Advances in cell and molecular biology, University of Calicut.*
- *Two-day national workshop on PCR and gene sequencing, Directorate of collegiate education.*
- *Regional workshop on science popularization, CWRDM/KSCSTE.*
- *Training on Water quality Management, CWRDM*
- *Technological Advances in Modern Biology, Post graduate dept. of Zoology, S.N College Kannur.*

## **MEMBERSHIP/ CERTIFICATIONS**

Member-Magnetic Resonance Society, Kerala

## **OTHER DUTIES (INTERNAL/ EXTERNAL)**

Internal duties

- Science Club- Convener
- PG IEC- Convener
- WDC- Member
- IQAC – Member
- Anti-sexual harassment cell- Member

External duties

- Additional Examiner for CMV camp
- Chief Examiner for CMV camp
- External examiner for Practicals