

**Name** : Dr. D. Geetha Ramani  
**Designation** : Professor  
**Department** : Microbiology  
**Qualification** : M.Sc. M.Phil. Ph.D.  
**Experience** : Teaching: 25 Years      Research: 12 years  
**Area of Specialization(s)** : Natural Product Drug Discovery Microbial Physiology  
**Email (Official ID)** : drgeetharamani@drngpasc.ac.in



#### Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Microbiology	Bharathiar University	2009
M.Phil.	Life Sciences	Avinasilingam Deemed University	1999
M.Sc.	Microbiology	PSG College of Arts and Science, Coimbatore	1994
B.Sc.	Biochemistry	PSG College of Arts and Science, Coimbatore	1992

#### Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
SET	Microbiology	Bharathidasan University	1999

#### Research Guidance

Project Title	Agency	Amount	Duration
CO <sub>2</sub> sequestration by Microalgae isolated from Noyyal River	DST	32,95,102	2012 - 2015

## Projects Completed

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	4	4
M. Phil.	4	-

## Research Publications (Indexed)

### International

- T. Vinod Kumar, S. Lakshmanasenthil, **D. Geetha Ramani**, T. Marudhupandi, G. Suja, P. Suganya. 2015. Fucoidan –  $\alpha$ -d-glucosidase inhibitor from *Sargassum wightii* with relevance to Type 2 Diabetes mellitus therapy. International Journal of Biological Macromolecules. 72: 1044–1047.
- T. Vinod Kumar, S. Lakshmanasenthil, **D. Geetha Ramani**. 2014. Microbicidal activity of crude extracts from *Sargassum wightii* against *Bacillus cereus*. International Current Pharmaceutical Journal, 3(10): 326-327.
- S. Lakshmanasenthil, T. Vinod Kumar, **D. Geetha Ramani**, T. Marudhupandi, G. Suja, N.S. Sindhu. 2014. Fucoidan—a novel  $\alpha$ -amylase inhibitor from *Turbinaria ornata* with relevance to NIDDM therapy. Biocatalysis and Agricultural Biotechnology. 3(3):1-14.

### National

- **Geetha Ramani. D**, Amritha Nair and K. Krithika. 2013. Optimization of cultural conditions for the production of Prodigiosin by *Serratia marcescens* and screening for its antimicrobial activity. *Int J Phar Phar Sci.*, 5(1): 383-392.
- Lakshmanasenthil. S, Vinod Kumar. T, **Geetha Ramani. D** and Maruthupandi. T. 2013. Screening of seaweeds collected from southeast coastal area of India for  $\alpha$ -Amylase inhibitory activity, antioxidant activity and biocompatibility. *Int J Phar Phar Sci*, Vol 5, Suppl 1: 240-244.
- Lakshmanasenthil. S, Vinod Kumar. T, **Geetha Ramani. D** and Maruthupandi. T. 2013. Influence of Microalgae in enrichment of *Artemia salina* for aqua culture feed enhancement. *J. Algal Biomass Utln.*, 4(2): 67-73.
- Krithika K and **Geetha Ramani D**. 2013. Screening of *Serratia marcescens* Isolated from Soil for Secondary Metabolites of Therapeutic Importance. International Journal of Bioassays. 2(8) (1162-1165).

- **Geetha Ramani. D** and Vinoth Kumar. T. 2012. Antibacterial activity of *Streptomyces* sp sh7 isolated from Cardamom fields of Western Ghats in South India. *Int J Pharm Bio Sci.*, 3(4): (B) 957 – 968.
- Krishnaveni. N, Dipika. B, **Geetha Ramani D**, Cibi Chakravarthy. 2014. Cultivable Endophytic Mycobiont *Piriformospora indica* in Millet Growth Promotion. International Research Journal of Biological Sciences. 4(7): 2033-2047.
- Krishnaveni. N, **Geetha Ramani**, Ranjitha. L, Cibichakravarthy. B. 2014. Novel Cultivable Mycobiont *Piriformospora indica* as Plant Growth Promoting Endophyte. *Int. Res. J. Biological Sci.*, 4(1), 11-15.
- T. Vinoth Kumar, S. Lakshmanasenthil, **D. Geetharamani**. 2014. Proteaseous  $\alpha$  amylase inhibitors of *setaria italica* linn(co-6) and its effect on  $\alpha$  amylase from human saliva and *Bacillus* sp. Journal of Applied and Pharmaceutical Science.4(12):24-29.

#### Other Publications: International / National Journals

- Mohanapriya R and **Geetharamani D**. 2014. Isolation and optimization of cultural conditions for exopolysaccharide production from Blue Green Algae. Scrutiny International Research Journal of Microbiology and Bio Technology. 1(4): 31-36.
- Krishnaveni. N, Dipika. B, **Geetha Ramani D**, Cibichakravarthy. 2014. Cultivable Endophytic Mycobiont *Piriformospora indica* in Millet Growth Promotion. International Research Journal of Biological Sciences. 4(7): 2033-2047.
- Mohanapriya R and **Geetharamani D**. 2014. Fresh water Micro algal Diversity of Noyyal River at Tamil Nadu State, India. Journal of algal biomass utilisation. 5(4): 31-36.
- Mangaiyarkarasi and **D. Geetharamani**. 2014. Bio absorption of chromium employing microorganism isolated from tannery effluent. Scrutiny International Research Journal of Microbiology and Bio Technology. 1(9): 30-36.
- Sehan,N.P, Nisha.s , Hridya.S and **Geetharamani. D**. 2014. Survey of knowledge and practice related to antibiotics among college students in Coimbatore. Wide Spectrum. 3(2): 50-58.
- Krithika K and **Geetha Ramani D**. 2014. Production of silver nanoparticles from *Serratia marcescens* and its application as antimicrobial drug. Scrutiny International Research Journal of Microbiology and Bio Technology. 1(5): 7-12.
- Krishnaveni. N and **Geetha Ramani D**. 2015. Novel Cultivable Mycobiont *Piriformospora indica* as plant growth promoting endophyte. International Research Journal of Biological Sciences. 4(1): 11-15.

- Mangaiyarkarasi, Kavitha and **Geetharamani**. 2015. Decolourization of Textile dye Effluent employing *Pseudomonas mendocina* and *Xanthomonas hortorum*. International Journal of Biosciences and Nanosciences. 2(1): **15-19**.
- Shethal AnilKumar, **Geetharamani**, Elayarajah, B. 2015. Fabrication of Antibacterial Coatings: Prevention of Implant Associated Infections in Patients Indwelling Urinary Catheters. IOSR Journal of Pharmacy and Biological Sciences.10(6): 82-89.
- Bindu D, Vinoth Kumar T, **Geetharamani** D.2018. Bioprospecting of marine sponge (*Callryspongia diffusa*) for antibacterial compound. Asian Journal of Pharmaceutical and Clinical Research.11(1):1-4.
- Sasikala and **Geetharamani**. 2017.Comparative study on antimicrobial activity of seaweeds. Asian Journal of Pharmaceutical and Clinical Research.10(12):1-3.
- Mangaiyarkarasi.A, **Geetharamani**, Helen Lawrencia nd Naveena. M. 2017. A study on seasonal variation and algal biodiversity in Sulur pond, coimbatore, tamil nadu. Int J Pharm Bio Sci. 8(3):580-591.
- Mangaiyarkarasi.A and **Geetharamani**, 2017. Optimization of fertilizer-based media for the cultivation of *Scendesmus* species. Int J Pharm Bio Sci. 8(3):615-621.
- Smita.S.kattarath and **Geetha ramani**. 2017. Bioproduction and characterisation of silvernano particles from microalgae *Asteracys quadricellulare*, its antimicrobial and antibiofilm activities. Int J Pharm Bio Sci. 8(3):714-725.

#### Book Publications

Fundamentals of Medical Parasitology. A Text book for Medical, Paramedical and Medical Laboratory Technology students. Geetharamani. Lambert Academic Publishing, Omni Scriptum GmbH & Co. Germany, 2014, ISBN NO: 978-3659310010 .

## Participation in Seminars

- Two Days State level Workshop on “Outcome Based Education”. Association of Self-Financing Arts Science & Management Colleges of Tamil Nadu, 27-Jul-18 &
- 27-Jul-18
- NAAC Sponsored National Seminar - Design of Curriculum for Sustainable and Societal Development, 12.08.2016 & 13.08.2016.

## Invited Speaker / Session Chair- Conference / Seminar / Workshop

- Presented a lecture on Biofuels at Nirmala College for women on 29/01/2013 to the students of Department of Zoology.
- Presented a lecture on **Research tools** to students of M.Sc and MBA in Hospital administration, KMCH Institute of Paramedical Sciences, Coimbatore on 12/07/2013.

Presented a lecture on **Algal Biosphere** at Tirupur Kumaran College for women on 24/07/2013 to the students of Department of Microbiology.

- Presented a lecture on **Exploring the potentials of algae for human welfare** at Hindustan College of Arts and Science, Coimbatore on 27.03.2014 to the students of Department of Microbiology.
- Presented a lecture on **Microbes for sustainable development** at Bharathidasan College, Chithode on 05/10/2016 to the students of Department of Microbiology.
- Presented a lecture on **CO<sub>2</sub> sequestration by microalgae** at Bharathiar University on 03/10/2017 to the students of Department of Physics.

## Member in BoS

- **Served** as Chairman, UG Board of studies in Microbiology of Bharathiar University, Coimbatore, Tamil Nadu, India (2014- 2017).
- **Served** as Member, PG Board of studies in Microbiology of Bharathiar University, Coimbatore, Tamil Nadu, India (2014- 2017).
- **Serving** as Member (University Nominee) Board of studies in Microbiology of C.M.S College of Science and Commerce, Coimbatore, Tamil Nadu, India (2012- 2014; 2018 to till date).
- **Served** as Member, UG Board of studies in Microbiology of KSR College of Arts and Science, Coimbatore, Tamil Nadu, India (2012- 2014).
- **Served** as Member, Doctoral Committee for Ph.D Scholars at Karunya University, Coimbatore.
- **Served** as Chairman, PG Board of studies in Microbiology of Bharathiar University, Coimbatore, Tamil Nadu, India (2004-2006).

- **Served** as Member, UG Board of studies in Microbiology of Bharathiar University, Coimbatore, Tamil Nadu, India (2004-2006).
- Served as Member, Board of studies in Microbiology (Meritorious alumni) of PSG College of Arts and Science, Coimbatore, Tamil Nadu, India (2004-2006).

#### **Editorial / Review Board Member**

- Review Board Member, Journal of Applied Pharmaceutical Science since 2017.
- Review Board Member, International Food Research Journal in 2017.
- Review Board Member, African Journal of Microbiology Research since 2018.

#### **Membership in Professional Bodies**

<b>Name of the Professional Body</b>	<b>Nature of membership</b>	<b>Duration</b>
All India Association of Applied Microbiologists	Life-time	-
Association of Microbiologists of India Member	Life-time	-