

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. | Biochemsity | 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 ₂ 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. Vinoth Kumar, S. Lakshmanasenthil, **D. Geetha Ramani**, T. Marudhupandi, G. Suja, P. Suganya. 2015. Fucoidan – α -d-glucosidase inhibitor from *Sargassum wightii* with relevance to Type 2 Diabetes mellitus therapy. International Journal of Biological Macromolecules. 72: 1044–1047.
- T. Vinoth 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. Vinothkumar, **D. Geetha Ramani**, T. Marudhupandi., G. Suja, N.S. Sindhu. 2014. Fucoidan—a novel α -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, Vinoth Kumar. T, **Geetha Ramani. D** and Maruthupandi. T. 2013. Screening of seaweeds collected from southeast coastal area of India for α -Amylase inhibitory activity, antioxidant activity and biocompatibility. *Int J Phar Phar Sci*, Vol 5, Suppl 1: 240-244.
- Lakshmanasenthil. S, Vinoth 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 Utiln.*, 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. Protenaceous α amylase inhibitors of *setaria italica* linn(co-6) and its effect on α 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 (*Callyspongia 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 Lawrence and 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 *Scenedesmus* 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 **CO₂ 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

| Name of the Professional Body | Nature of membership | Duration |
|--|-----------------------------|-----------------|
| All India Association of Applied Microbiologists | Life-time | - |
| Association of Microbiologists of India Member | Life-time | - |