

PROFILE

Name & Qualification : **Dr. R.Rajarajeshwari, M.Sc., M.Phil., Ph.D.,**
Designation : **Assistant Professor**
Department : **Biotechnology**
Email Id : **rajarajeshwariramakrishnan@gmail.com**
Official Mail Id : **rajarajeshwari@sigc.edu**
Subject Specialization : **Plant based medicine for cancer therapy**

Total Teaching experiences : **11 Years**

No. of Research paper published : **04**

Academic Profile

| Course | Institution | University | Year of Passing | Class |
|---------------------------|---|-----------------------|-----------------|--------------------------------------|
| Ph.D Biotechnology | Mahendra Arts & Science College (Autonomous), Kalipatti, Namakkal District. | Periyar University | Nov. 2023 | Highly commented |
| M.Phil., Biotechnology | Sengunthar Arts and Science College, Tiruchengode, Namakkal District. | Periyar University | Nov. 2011 | I Class with Distinction (D++) |
| M.Sc., Biotechnology | Sengunthar Arts and Science College, Tiruchengode, Namakkal District. | Periyar University | April 2010 | I Class With Distinction (D+) |
| B.Sc., Biotechnology | Sengunthar Arts and Science College, Tiruchengode, Namakkal District. | Periyar University | April 2008 | I Class |

Working Experience

| Designation | Institution | Department | From | To |
|---------------------|---|---------------|---------------|-----------|
| Assistant Professor | Sengunthar Arts and Science College, Tiruchengode | Biotechnology | August 2012 | May 2024 |
| | Shrimathi Indira Gandhi College, Trichy | Biotechnology | December 2024 | Till Date |

Addition Professional Activities

- ❖ M.Sc., Projects handled for 25 students.
- ❖ Acted as a **Question paper setter** in **Krishna Arts and Science College**, Coimbatore -08 for PG Biotechnology (2017).
PSG College of Arts and Science (Autonomous), Coimbatore, for UG and PG Biotechnology (2017 & 2018).
- ❖ Acted as an **External examiner for both Theory and Practical examination** in Periyar University affiliated colleges and Autonomous colleges.
- ❖ **External examiner for Paper evaluation** in both UG and PG biotechnology board, Periyar University, Salem.
- ❖ Served as a **Resource person** in the “**Young Scientists Programme**” by **Tamilnadu State Council for Science and Technology, Department of Higher Education, Govt. of Tamilnadu**, (3rd May - 17th May 2019), Sengunthar Arts and Science College, Tiruchengode.
- ❖ **Serving as a Reviewer** in **Indian Journal of Pharmaceutical Education and Research (IJPER)**, **Association of Pharmaceutical Teachers of India** (ISSN 0019-5464) from 2023 onwards.

Thesis

- ❖ M.Sc- “Antibacterial activity of Silver Nano Particles (SNP’s) using Detergents as a Capping Agents, done in Centre for Compositional Characterization of Molecules (CCCM), Baba Atomic Research Center, Central Government Institute, Secunderabad.
- ❖ M.Phil-Studies of a few Characteristics feature of an Endemic Medicinal Plant *J.maheswari*.
- ❖ Ph.D - “Isolation and Characterization of Bioactive compound from *S. stellata* (Geartn.) Baill. and its Potential effect on Lung Cancer Cell line”.

Paper presented

- ❖ Presented a paper entitled “Superior bactericidal activity of detergents capped silver nanoparticles.” International symposium on Bioscience research for present and future” (2015), in Vivekanandha College of Arts and Science for Women, Tiruchengode.
- ❖ Presented a paper entitled “Antibacterial and Phytochemical properties of Schefflera sps. leaf extracts against various Bacterial sps.” (2016), Interanational conference on Scenario in Biological Innovations, in Bharathidasan College of Arts and Science, Erode.
- ❖ Presented a paper entitled “Callus induction of Jatropha sps. - A medicinal plant” (2016), National seminar on Contemporary advances in Biotechnology, Mahendra Arts and Science College, Kalipatti.
- ❖ Presented a paper entitled “Isolation and purification of bioactive compounds from Schefflera sps. Leaf” (2017), International seminar on Nuance in Life sciences”, Sri Ganesh College of Arts and Science, Salem.
- ❖ Presented a paper entitled in “Evaluation of bioactive and antioxidant activities of isolated compound from Schefflera sps.” (2018), National seminar on Contemporary advances in Biotechnology, Mahendra Arts and Science College, Kalipatti.

- ❖ Presented a paper entitled in “Identification of compounds present in *Heptapleureum* sps. leaf” (2019), Recent scenario in Biotechnological innovations, Mahendra Arts and Science College, Kalipatti.
- ❖ Presented a paper entitled in “Chitosan nanoparticle as a carrier for *Schefflera* sps.” (Mar. 5th 2020), National seminar on emerging trends in Biotechnology, PGP College of Arts and Science, Namakkal.
- ❖ Presented a paper entitled in “Cytotoxic effect of *Schefflera* Sps. On Lung cancer cell line” (2022), International seminar on recent advances in Bioelectrochemical technology, Thiruvalluvar University, Vellore.

Paper published

- ❖ M.G. Ebbie, **R. Rajarajeshwari** and M. Venkatesan. Antibacterial effect of an endemic medicinal plant *Jatropha maheswari* Subram and Nayar, in Proceedings on National Conference on Biotechnology for Sustainable Development. (IJBT ISSN 0976-4313, Dept. of Biotechnology, D.D.U. Gorakhpur).
- ❖ **R. Rajarajeshwari**, T. Selvankumar, B. Mythili Gnanamangai, G. Gohila and R. Mohanraj. Evaluation of bioactive and antioxidant activities compounds isolated from *H. stellatum* (Gaertn) Baill. Int. J. Adv. Sci. Eng. Vol.4 No 2 612-619 (2017) 612 ISSN 2349 5359.
- ❖ **Rajarajeshwari Ramakrishnan**, Selvankumar Thangaswamy, Mythili Gnanamangai Balasubramanian, Mohanraj Rajamanickam, Naresh Srinivasan, Dhana Sekaran Ganesan. Cytotoxic Effect of *S. stellata* (Gaertn.) Baill.on A549 Cell Line. *Indian Journal of Pharmaceutical Education and Research*, Vol 56 (3), 469-478, 2022. *Impact factor: 0.843*.

❖ **Rajarajeshwari Ramakrishnan**, Selvankumar Thangaswamy, Mythili Gnanamangai Balasubramanian, Mohanraj Rajamanickam, Dhana Sekaran Ganesan. Docking of potentially bioactive compounds from *S. stellata* (Geartn.) Baill.against Epidermal Growth Factor Receptor in Lung cancer. Research Journal of Chemistry and Environment, Vol.26 (12), 57-67, 2022. *Impact factor: 0.2.*