

# **S.T. HINDU COLLEGE, NAGERCOIL**

## **FACULTY PROFILE**

Name : Dr.J.L.Lekshmi

Designation : Assistant Professor

Vidwan ID : 395807

Dept Name : Botany

Address : 20, Vagaiyadi North Car Street, Kottar,  
- Nagercoil

Phone No. : 7373044882

E-Mail Id : mathulekshmi@gmail.com

Subjects Taught : Cell Biology, Immunology, Gymnosperms, -  
- Algae and Bryophytes, Embryology.

Area of Interest / Specialization : Bio Fertilizers, Microbiology

Experience : 2 years

Educational Qualifications : M.Sc., M.Phil., Ph.D.

Research Publications in Journals :

**1.** Diversity Status of Plant Growth Promoting Rhizobacteria (PGPR) In Rhizosphere Of Selected Medicinal Plants In Kanyakumari District, Tamil Nadu.

**2.** Isolation of AM Fungal Spores from the Rhizosphere Soil of Selected Medicinal Plants'

- 3.** Distribution Status of AM Fungi from Rhizosphere of Medicinal Plants in Selected Areas of Kanyakumari District, Tamil Nadu
- 4.** GC-MS analysis of bioactive compounds in methanolic extract of *Acorus calamus* Linn
- 5.** GC-MS analysis of bioactive compounds in the leaves of methanolic extract of *Eclipta prostrata* Linn
- 6.** Survey Of Trees In Asaripallam Medical College And Hospital Campus, Kanyakumari District, Tamil Nadu, South India
- 7.** Antidiabetic activity of Aqueous extract of *Pimpinella heyneana*(DC.) Benth.in Alloxanised Diabetic Mice
- 8.** Effects of organic and Biomanures on plant growth of *Acorus calamus* Linn

Papers Presented in Conference :

- 1.** “Effect of Biofertilizers on growth improvement of Selected Medicinal Plants Of Tamil Nadu” in the international conference on Innovative Research in Biological Sciences (ICIRBS - 2019) held on 9<sup>th</sup> January 2019 organized by Pasumpon Muthuramalinga Thevar College, Tirunelveli.
- 2.** “Effect of Biofertilizer on Growth yield and Bioactive component of selected medicinal plants of Kanyakumari District” in a national conference “Bioprospecting of Bioresources from sea” at Rani Anna Government college for women on 7<sup>th</sup> and 8<sup>th</sup> March 2019 and awarded 2<sup>nd</sup> prize for best paper presentation.
- 3.** “Diversity of Arbuscular Mycorrhizal Fungi Associated with Medicinal Plants” in the International Conference on “Recent Advancement in Biomolecule Inventions” conducted by Foundation for Innovative Research in Science and Technology at Holy Cross College, Nagercoil on 26<sup>th</sup> and 27<sup>th</sup> July 2019.
- 4.** “Distribution Status of AM Fungi in rhizosphere soil of medicinal plants in selected areas of Kanyakumari District” in the national conference on “Current Scenario of Biotechnology towards Healthcare and Environment” on August 2019.
- 5.** “Role of Microbes in Plant Growth” in the national conference on “Post Covid-19 complications – A Biotechnological Approach (PCBA’22)” organized by PG and Research Department of Biotechnology, Jamal Mohamed College, Tiruchirappalli, held on 7<sup>th</sup> and 8<sup>th</sup> September 2022.
- 6.** “DNA Barcode and Molecular Conservation of Selected Medicinal Plant Species from Kanyakumari District, Tamil Nadu” in the International Conference on Eco-Restoration for Natural Resource Management (ICER-NaRM-2023) held at S.T.Hindu College, Nagercoil on 24<sup>th</sup> and 25<sup>th</sup> August 2023.

Books Authored/Book Volume :  
Chapters

Research Paper in Book Co-Author :Ethnobotanical Studies on the Medicinal  
Plants used by Kani Tribes of Mugilayadi Hills, Kanyakumari wildlife sanctuary  
Southern Western Ghats, Tamil Nadu.

Research Guidance : Nil

Research Projects :

Tamil Nadu State Council For Science and Technology under Student Project  
Scheme (2022-23).

Awards & Distinctions :

Administrative Assignments Handled :

Association with Professional Bodies :

Any other Achievements :