

School of Life Sciences

Department of Botany

(Sponsored by DST-FIST, UGC-Non SAP, UGC- SAP – DRS II, RUSA)

Vision

To provide quality education and research in Botany

Mission

To offer world class Post graduate education, Research guidance and manpower training as well as leaderships in Botanical/Plant Science.

About the Department

The Department of Botany at Bharathidasan University started right from the inception of the Bharathidasan University in the year 1982. It was created from the erstwhile Department of Botany of the University of Madras. The Department was sponsored by DST-FIST, UGC-Non SAP, UGC- SAP- DRS II etc. The department offers a PG (M. Sc) and Ph. D course in Botany. The department hosts at present 44 Master level students (M. Sc), 30 doctoral scholars. Currently Prof. M. Sathiyabama is the Head of the Department since 2022.

The PG program focuses on the understanding of plants and links basic science and innovative research in plant science which emphasizes considerable translational potential. The PG curriculum integrate teaching, field based activities and the laboratory. The Core and Elective courses included in the PG program have been specifically designed to meet the industry standards and research requirements. In our curriculum, students have the opportunity to go for an internship at the end of 1st year (2nd Semester) of study in National Research Institute or in the Industry. Our M. Sc students also pursue a research based dissertation at the 4th semester which helps them choosing their career pathway after graduation. The Department also works towards building the social and moral character of the students. Our graduates qualified in national level examinations viz. ICAR-JRF (Indian Council of Agricultural Research – Junior Research Fellow) and GATE (Graduate Aptitude Test in Engineering). The Department also offers one Integrated program namely M. Sc (Integrated) Life Sciences with strong emphasis on modern biology with extensive practical training.

Overall 210 (24 during 2018 – 2024) candidates were awarded Ph. D degree from our Department. After obtaining Ph. D most of them pursue their Post-doctoral research in International (USA, Germany, Italy, South Korea, China, and France) and National Laboratories/Institutes.

The department established basic equipment facility with molecular biology and advanced equipments like PCR, UV-Vis Spectrophotometer, Refrigerated Centrifuge, Hybrilinker, Hybridization Oven, Gel documentation system, HPLC etc.

Our Research outcome in terms of publishing Research papers, Review articles keep the international recognition to the department. Our Faculty Members has published more than 2100 research publications since its inception and has operated Research projects to the tune of nearly 3 Crore funded by various funding agencies like UGC, DST-SERB, DBT, DRDO, CSIR, TNSCST etc. The achievements of the Faculty members have been recognized by various awards that include **INSA Visiting Scientist, Fellow of National Academy of Biological Sciences, Fellow of Royal Society of Biology (London), Fellow of Indian Association of Angiosperm Taxonomy, and listed under Top 2% Scientist by Stanford University.**

Periodically training programs are offered in the form of Workshops, Short term training etc to Research Scholars, Faculty members of colleges and Universities. The department also organizes Conferences, Workshops, and Seminar to disseminate knowledge and to cater the academic needs of the students.

Former Faculty Members Prof. K. Periyasamy, Prof. G. R. Rao, Prof. K. V. Krishnamurthy, Prof. N. Jayabalan, Prof. M. V. Rao, Prof. M. B. Viswanathan, Prof. B. D. Ranjithakumari, Prof. T. Senthilkumar have contributed significantly to the development of Department of Botany through teaching, innovative research and creative activity.

Student Activities

Our PG students organizes Lectures by inviting Faculty members from sister departments through the student club named “Leitmotiv (To lead) Club”.

Graduate Skills and Career Opportunities

The graduates develop skills to have career related to plant biology such as nature conservation, environmental consultancy, plant evolutionary biology or agricultural research as well as teaching. Excellent placement opportunities exist for our graduates. Most Scholars secure a placement in government, public and private sector both within the country and outside. Our PG students also go on to pursue a career in research and academics. Some enthusiastic students with Entrepreneurship skills launch their own company after graduating from this department.

Students Qualified in GATE/ICAR-JRF from Department of Botany

**SAI CHANDRAMOULEE
(GATE-2022)**



**RENUKA SURESH
(GATE-2023 & ICAR-
NET)**



**ARUNMOZHI P
(GATE-2023)**



**DURGA C M
(GATE-2023)**



Facilities in the Department

Seminar Hall



Conference Hall



Molecular Biology Lab



Plant Tissue Culture Lab



Computer and Net working Lab

