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UNIVERSITY OF MYSORE

DEPARTMENT OF STUDIES IN BOTANY

Manasagangotri Mysuru- 570 006



GENESIS

The Department of Studies in Botany, University of Mysore was established in year 1960 and is one of the oldest plant science departments among the state universities. The department has conceived and nurtured two important disciplines such as Seed Technology and Microbiology before they carved their niches in to separate department in the University.

VISION

To create center of excellence in Botany for promoting teaching, advanced research, training and extension activities and to gain botanical science knowledge for sustainable ecosystem and human welfare.

MISSION

To advance botanical knowledge and skills for the understanding of plant science for the benefit of society, environment and industry, and to train the next generation of plant biologists, botanists, teachers and plant based entrepreneurs.

ABOUT THE DEPARTMENT

The Department of Studies in Botany, University of Mysore is one of the leading plant science department in the country dedicated to teaching and research in plant and microbial science. The department has a well established 'Botanical garden' with separate glass house and a fern house with its living collections of more than 400 species of plants. The department also has 'Museum' which is named after N.I. Vavilov with a collection of over 400 specimens representing all the major groups of plant kingdom. The herbarium of the department is one of the assets and many researchers have contributed for enriching the collection. It has more than 2500 plants species collection with complete description and it is one of the main reference centers for plant identification.

The Department has been funded by the Department of Science and Technology (DST) Government of India under the FIST programme and also by the University Grants Commission (UGC) under NON-SAP programme (II phase), UGC-RFSMS (Research Fellowship in Science for Meritorious Students) and Vision Group of Science and Technology (VGST), Govt. of Karnataka. The Department has received UGC 11th plan assistance for the improvement and strengthening the research programme on trust areas of plants science. In addition the faculty members have under taken several individual and collaborative research projects from various funding agencies like USDA, DST, UGC, ICAR, MOEF, CSB, AICTE, etc. The department has interdisciplinary research network with international and national research institutes such as CFTRI, CSIR, DFRL and other sister departments of the University.

CONFERENCES/ WORKSHOPS ORGANIZED

- One Day workshop on Organic Farming was held on 03.03.2017 under the auspices of "Plant Clinic". Totally 200 farmers and students attended this program.
- National Symposium on 'Current Developments in Plants Sciences' was held on 2nd March, 2018. More than 300 delegates and Students attended the symposium.
- One day Special Lecture about "Swami Vivekananda's practice of ethnics, Moral and Spirituality. A Total of 150 M.Sc Botany Students attended this Special program on 10th March 2018.
- One day Regional Workshop on "Strengthening forward-backward linkages for Sustained Supply of Quality Medicinal Plants to Industry through Profitable Cultivation" Jointly organized by Department of Studies in Botany, KFRI, Kerala and NMPB, New Delhi on 1st October 2018 to farmers and Industry representatives.

PROGRAMMES OFFERED

- M. Sc. Botany (CBCS-CAGP – Semester scheme)
- Ph.D. Botany

THRUST RESEARCH AREAS

- Plant and Microbial diversity and Bioprospecting
- Mycology and Phycology
- Taxonomy of Angiosperms
- Plant Tissue Culture Technology
- Plant – Microbe Interactions
- Plant Physiology and Biochemistry
- Classical and Molecular Plant Pathology
- Ecology and Conservation Biology
- Plant Biotechnology and Molecular Biology
- Ethnobotany and Herbal Drug Technology
- Medicinal plants and Phytochemistry

M.Sc. Botany: Courses Offered

Hard Core

- Virology, Bacteriology, Mycology and Plant Pathology
- Phycology, Bryophytes, Pteridophytes and Gymnosperms
- Systematics of Angiosperms
- Reproductive Biology of Angiosperms and Plant Morphogenesis
- Cell biology and Genetics
- Plant Breeding and Evolutionary Biology
- Biochemistry and Plant Physiology
- Molecular Biology
- Plant Biotechnology
- Ecology, Conservation Biology and Phytogeography

Soft Core

- Fungal Biology and Biotechnology
- Algal Biology and Biotechnology
- Lichenology and Mycorrhizal Technology
- Phytopathology
- Plant Anatomy and Histochemistry
- Ethnobotany and Intellectual Property Rights
- Economic Botany
- Molecular Genetics of Plants
- Molecular Plant Pathology
- Plant Propagation and Plant Breeding
- Phyto-chemistry and Herbal technology
- Seed Technology
- Seed Pathology
- Bio-Analytical Techniques

Open Elective

- Medicinal Botany
- Plant Propagation Techniques
- Plant Diversity and Human Welfare

FACILITIES

- ☒ Herbarium
- ☒ Botanic Garden
- ☒ Glass house
- ☒ Central Instrumentation Facility
- ☒ Internet Facility with Wi-Fi
- ☒ Museum
- ☒ Green house
- ☒ Medicinal Plant Garden
- ☒ Department Library
- ☒ Equipped Laboratories

PLANT CLINIC

Plant clinic is a unique facility available in the department offering free and paid consultancy and extension service to plant cultivators, farmers and agro processing units on issues like general crop husbandry, plant disease diagnosis and their management. It also offers plant identification Services.

BEST PRACTICES

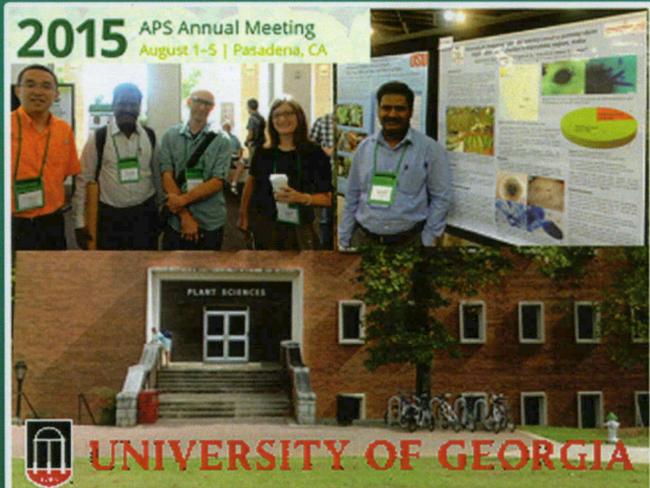
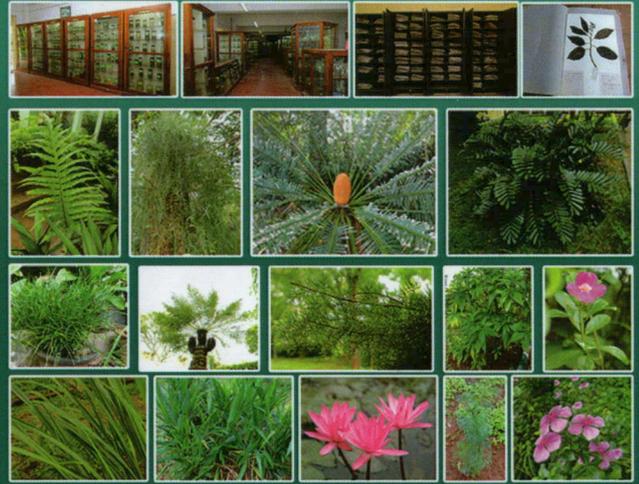
Botanical Society - With students, research scholars and teachers as its members, it has been serving as a platform to discuss and debate contemporary issues and recent developments in plants science organizing invited talks, practical demonstration, quiz and debates. Helps in training students for event management skills and to develop leadership qualities by organizing many co-curricular and extracurricular activities.

LEAF-News Letter

The Botanical Society Newsletter "Leaf" is a mouth piece of the academic activities of the department which includes articles written by students on recent advance in plant science. It is a wonderful platform created by the department to impart training for student about art of collection, compilation and presentation of scientific data and help in learning writing skill.

ENDOWMENTS

- Prof. K. N. Narayan Gold Medal
- Prof. K. S. Jagadishchandra and Smt. Padmavathamma Endowment Gold Medal
- Prof. Govindappa D. Arekal Endowment Gold Medal
- Smt. Tara Bai and Sri. A.N. Sindhe Memorial Endowment Gold Medal
- Prof. G. R Shivamurthy Endowment Gold Medal
- Prof. Talakadu Chikkalingaiah Shivashankara Murthy Endowment Gold Medal
- Keragodu Chaitanyaradhya Swamy Memorial Cash Prize
- Prof. L. NarayanaRao and Jayalakshamma Central College Botanical Society Silver Jubilee Commemoration Cash Prize.
- Dr. K. N. Narayan Endowment Cash Prize
- Prof. M. A. Sampathkumaran and Shri. S. Parthasarathi Iyengar Memorial Cash prize
- Prof. K. S. Jagadishchandra Young Scientist Award for Plant Sciences.
- Prof. Raveesha Koteswar Anandrao Endowment Gold Medal.



Prof. Rajkumar H. G. visited University of Georgia as Visiting Scientist at Department of Plant Pathology and also Presented Paper at American Phytopathological Society Conference-2015 held at Pasadena, Los Angeles, California, USA.



Prof. Shobha Jagannath attended 17th World Lake Conference held at Lake Kasumigaura, Ibaraki, Japan from 15-19 October, 2018



FACULTY



Dr. G. R. Janardhana
grjplantclinic@botany.uni-mysore.ac.in

Professor

Microbial Diversity and Bioprospecting, Mycology and Mycotoxicology, Plant Pathology, Seed Technology and Seed Pathology, Plant Health Clinic, Plant Molecular Biology



Dr. Shobha Jagannath
shobhajags25@gmail.com

Professor

Embryology, Genetics, Molecular Biology, Environment Biology and Tissue culture



Dr. S. Leelavathi
drsleelavathi@botany.uni-mysore.ac.in

Professor

Physiology, Biochemistry, Ethnobotany and Phytochemistry



Dr. M.S. Sharada
mssharada.botany@gmail.com

Professor

Plant Pathology, Plant Breeding and Evolutionary Biology, Host-Pathogen Interaction



Dr. K.N. Amruthesh
dr.knamruthesh@botany.uni-mysore.ac.in

Professor

Applied Plant Pathology, Agriculture Microbiology, Plant Physiology and Biochemistry, Seed Technology; Host-Pathogen Interaction



Dr. Rajkumar H. Garampalli
dr.hgrajkumar@botany.uni-mysore.ac.in

Professor

Mycorrhizal Technology, Environmental Biology, Plant Pathology, Agri-Nanotechnology, Organic management of Plant diseases, Medicinal Plants and Phytochemistry, Molecular Genetics of Plants.



Dr. M.S. Nalini
mmsomaiah@gmail.com

Associate Professor

Morphology of Angiosperms, Morphogenesis, Tissue Culture, Microbial Endophytes and Bioactives



Dr. K.A. Raveesha
kar@botany.uni-mysore.ac.in

Professor
(Superannuated-2018)

Plant Pathology, Antimicrobial agents, Bioprospecting, herbal Drug Technology



Dr. M.S. Sudarshana
mssingh.uom@gmail.com

Professor
(Superannuated-2016)

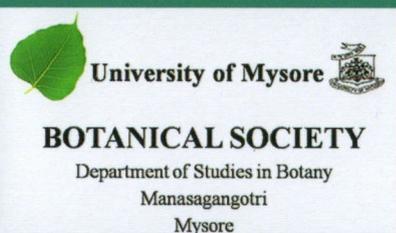
Tissue Culture of Medicinal Plants



Dr. K.M. Jayaramaiah
kerejayaramaiah@gmail.com
kmj@botany.uni-mysore.ac.in

Associate Professor
(Superannuated-2015)

Ecology and Environmental Biology
Ethnobotany and Economic Botany



Contact

The Chairperson

Department of Studies in Botany
Manasagangotri, Mysuru-570006
Ph: 91-821-2419759; 0821-2419758
Email: botanychairman@gmail.com