

# Department of BOTANY

For over fifty-five years, the Department of Botany has been achieving outstanding strides in creating proficient botanists who can aid in the development of a sustainable future and environment by instilling strong academic, creative, and competitive skills.

Since | 1967

## Scope

The Department of Botany at PSGRKCW integrates cutting-edge technology with real-world experience to equip students to excel in a variety of fields as plant researchers, conservationists, ecologists, environmental consultants, horticulturists, plant biochemists, nursery managers, geneticists, molecular biologists, taxonomists, plant pathologists, and farming consultants.

## Programme Offered

BSc Botany | 3 years

MSc Botany | 2 years

PhD Botany



## Unique Features of the Programme

### Comprehensive curriculum

Our curriculum is designed to cover all aspects of botany, such as Plant Diversity, Microbiology, Plant Anatomy, Physiology, Biochemistry, Genetics, Cell and Molecular Biology, Plant Biotechnology, Dietetics and Food Preservation, Genetic Engineering, Bioinformatics, Plant Ecology, Energy Science, Medicinal Botany and Forestry to ensure that our graduates have the critical thinking, research, and entrepreneurial skills needed in today's competitive environment.



### Opportunities for Growth

In addition to academic excellence, our curriculum offers prospects to foster personal and professional progression through periodic trips to fields and industries, collaborative research within and between institutions, and community-focused and environmentally conscious initiatives.

### Our Faculty Expertise

1. Experienced faculty with a blend of academia and research expertise.
2. Students learn cutting-edge technological advancements and subject fundamentals through our faculty.
3. Faculty foster a conducive learning environment.
4. Faculty assist in career advancement through reputable institution and industry connections.

ICT-enabled laboratories and classrooms

Access to **online databases** and the **UGC INFLIBNET** service.

### State-of-the-Art Infrastructure

well-equipped with laboratories.

#### Supported by



- Ample working space
- Comfortable reclining
- Personal cabinets
- Sufficient supply of glassware & chemicals
- High-end equipment

Students can also access

- Central Instrumentation Facility
- Botanical Garden and Nursery
- Herbarium
- Library and Computers

### Career Horizons

Unlock a plethora of opportunities in :



- Agricultural research institutions
- Food and beverage companies
- Environmental and conservation organizations
- Pharmaceutical and biotechnology firms
- Botanical gardens and arboretums

Our students have been placed in the following reputed institutions. Explore their role as

#### Scientists/Researcher/Field assistants



UPSC, TNPSC Exams



#### Taxonomist



Botanical, Pharmacognostic, Phytochemical, and pharmacological profiling of medicinal plants



Centre for Medicinal Plants Research, Kerala and Phytopharmaceutical industries

#### Plant Tissue Culture Specialist



Forest Services and Environmental Protection Agencies



Avestha Gengraine Technologies, Bengaluru; other Biotechnological and Microbiological laboratories

#### Medical coder



#### Lab technician



The Ministry of Environment, Forest and Climate Change, Central Academy of State Forest Service

Teacher/Lecturer/Assistant Professor

### Exclusive Academic Offerings



**EYUVA UG Research Grant Fellowship** are available during the UG Programme, through the submission of innovative ideas that will pave the way for future entrepreneurs.



## Overseas Study Ventures

MoU signed with

Oregon State University  
 Binghamton University  
 San Diego State University  
 University of Dar es Salaam  
 University of Wisconsin-Milwaukee



15 days Summer Internship Courses  
 Masters & Doctoral studies



## Skill Enrichment and Networking Programs

Periodical conduction of guest lectures, seminars, workshops and conferences chaired by resource persons from various research, academic and industrial institutions.



Research Collaboration Platforms

## Projects

- Department has received around Rs.6 crores 42 lakhs research grants by UGC, DST NRDMS (natural resource data management system), TNSCST, DBT, BIRAC EYUVA grants.
- Pioneers in obtaining both the DBT BUILDER and BIRAC EYUVA schemes.

## Global Certification course

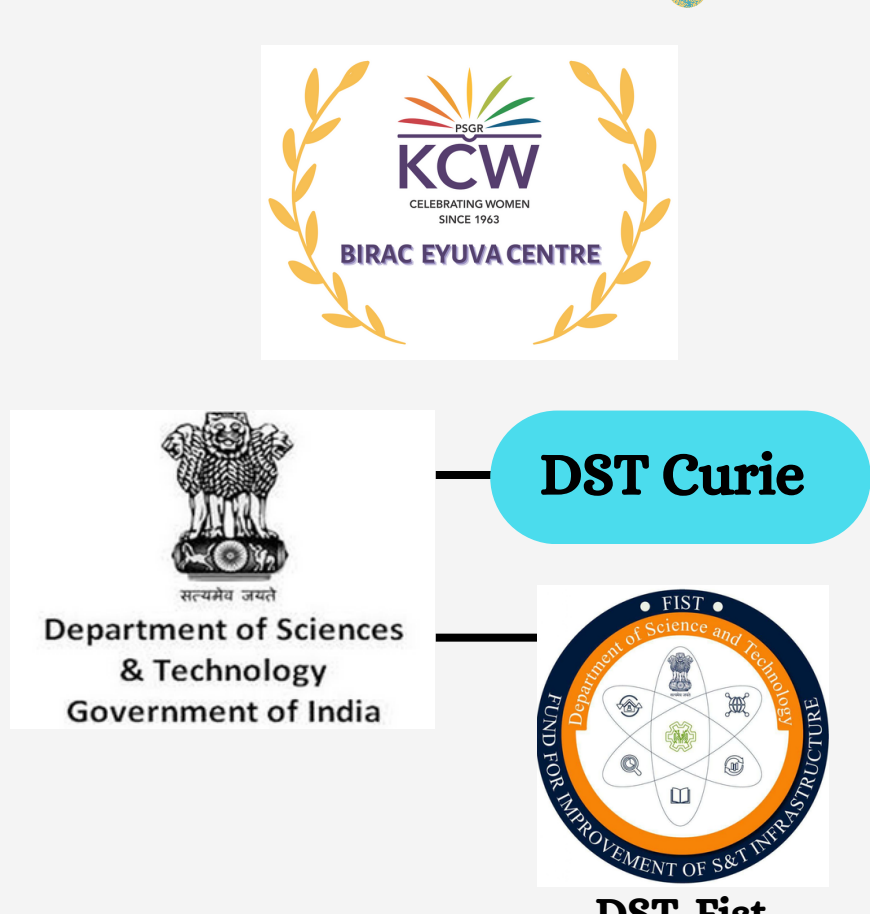
Certificate course on Venoms and Poisons in collaboration with The University of Reading, UK.



## Pathfinding Support



Mentor in Academic and research activities to many reputed Institutions in and around Tamil Nadu.



## Extra Learning Components

- Phytopharmaceutical Science in collaboration with Sivashakthi Pharmaceuticals PVT Ltd PSG IMS, Coimbatore
- Diploma in Next Generation Bioinformatics  
 Diploma in Applications of AI/ML in Life Sciences in collaboration with Pinnochle.AI, Bangalore

## "Student Voices: Experiences and Triumphs of Our Graduates"



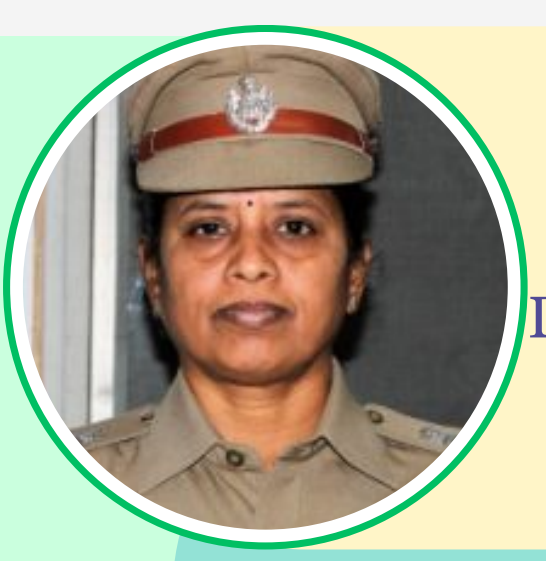
Ms. Jyothi M. Rao  
 B.Sc. (Botany), 1967-70  
 Clinical Microbiologist and Mycologist, USA

"The supportive environment fostered by the faculty empowered me to pursue my passions and excel academically. Their insistence on timeliness not only cultivated a culture of discipline but also prepared me for the professional world. I am grateful for the invaluable lessons and skills gained which continue to guide me in my journey."



Dr. Poonam Malakondaiah IAS;  
 B.Sc. Botany, (1982-1985 Batch)  
 City Special Chief Secretary,  
 (Health, Medical & Family Welfare),  
 Government of India

"Throughout my academic journey, the dedicated faculty not only imparted knowledge but also equipped me with the resources and support necessary to succeed. The materials provided by the faculty were invaluable in preparing me for competitive exams. From comprehensive study guides to challenging practice tests, these resources were instrumental in boosting my skills and confidence."



Ms. E.S. Uma,  
 B.Sc. Botany, (1985-1988 Batch)  
 Deputy Commissioner of Police, Traffic,  
 Coimbatore

"From the moment I stepped into the campus, I was welcomed into a community that not only nurtured my academic growth but also encouraged me to explore my passions and aspirations. KCW became more than a campus; it was where my boldest dreams thrived. Moreover, the diverse range of opportunities available allowed me to broaden my perspective and develop a well-rounded skill set. The professors were not only educators but also mentors who nurtured my individuality and encouraged me to achieve my goal."

Reach Us at:  
 PSGR Krishnammal College for Women  
 Peelamedu, Coimbatore-641 004. Tamil Nadu, India  
 Phone: +91 422 429 5860/429 5959  
 Email: [principal@psgrkcw.ac.in](mailto:principal@psgrkcw.ac.in) | [www.psgrkcw.ac.in](http://www.psgrkcw.ac.in)

