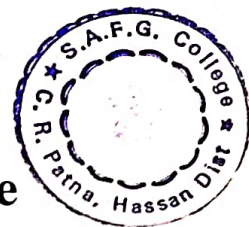


Jai Sri Gurudev  
**Sri Adichunchanagiri First Grade College**  
Channarayapatna-573116

---



**DEPARTMENT OF BOTANY**

**Course Learning Outcomes for the Academic Year 2022-23**

**Course Title:** Plant Anatomy and Developmental Biology

The student will be able to:

1. Observation of variations that exist in internal structure of various parts of a plant and as well as among different plant groups in support for the evolutionary concept.
2. Skill development for the proper description of internal structure using botanical terms, their identification and further classification.
3. Understanding the basic concepts in plant morphogenesis, embryology and organ development.

**Course Title:** Taxonomy of flowering plants

The student will be able to:

1. Understanding the main features in Angiosperm evolution.
2. Ability to identify, classify and describe a plant in scientific terms, there by, Identification of plants using dichotomous keys. Skill development in identification and classification of flowering plants.
3. Interpret the rules of ICN in Botanical nomenclature.
4. Classify Plants systematically and recognize the importance of Herbarium, Virtual Herbarium and Botanical gardens.



5. Recognition of locally available angiosperm families, plants and economically important plants. Appreciation of human activities in conservation of useful plants.

**Course Title: Ecology & Conservation Biology**

The student will be able to:

1. Understanding the fundamental concepts in ecology, environmental science and phyto geography.
2. Concept development in conservation, global ecological crisis, Sustainable development and pros and cons of human intervention.
3. Enable the student to appreciate bio diversity and the importance of various conservation strategies, laws and regulatory authorities and global issues related to climate change and sustainable development.

**Course Title: Economic Botany and Medicinal Plants**

1. Knowledge of Indian system of medicine with regard to medicinal plants.
2. Acquiring skills in identification, cultivation and preservation of medicinal plants.
3. Isolation, identification, characteristics of active principles in medicinal plants & drug formulation

*Sowmya C.V*  
Head of the Department of Botany,  
S.A.F.G. College, Channarayana,  
Hassan Dist. 573116

*M. J. ...*  
Principal  
Sri Adichunchanagiri First Grade Collage  
Channarayapatna-573 116



Jai Sri Gurudev  
**Sri Adichunchanagiri First Grade College**  
Channarayapatna-573116

---

**DEPARTMENT OF BOTANY**

**Program Outcomes: 2022-2023**

By the end of the program the students will be able to:

PO1: Skill development for the proper description using botanical terms, identification, naming and classification of life forms especially plants and microbes.

PO2: Acquisition of knowledge on structure, life cycle and life processes that exist among plant and microbial diversity through certain model organism studies.

PO3: Understanding of various interactions that exist among plants and microbes; to develop the curiosity on the dynamicity of nature.

PO4: Understanding of the major elements of variation that exist in the living world through comparative morphological and anatomical study.

PO5: Ability to explain the diversity and evolution based on the empirical evidences in morphology, anatomy, embryology, physiology, biochemistry, molecular biology and life history.

PO6: Skill development for the collection, preservation and recording of information after observation and analysis- from simple illustration to molecular database development.

PO7: Making aware of the scientific and technological advancements- Information and Communication, Biotechnology and Molecular Biology for further learning and research in all branches of Botany.





PO8: Internalization of the concept of conservation and evolution through the channel of spirit of inquiry.

PO 9: To enable the graduates to prepare for national as well as international level competitive examinations like UGC-CSIR, UPSC, KPSC etc.

PO10: To enable the students for practicing the best teaching pedagogy as a biology teacher including the latest digital modules.

PO 11: The graduates should be knowledgeable and competent enough to appropriately deliver on aspects of global importance like climate change, SDGs, green technologies etc at the right opportunity.

PO 12: The graduate should be able to demonstrate sufficient proficiency in the hands-on experimental techniques for their area of specialization within biology during research and in the professional career.

*Soumya C V*  
Head of the Department of Botany,  
S.A.F.G. College of Arts,  
Commerce & Science,  
Channarayana-573 116

*Megunatham K*  
Principal  
Sri Adichunchanagiri First Grade Collage  
Channarayana-573 116