

**DEPARTMENT OF BOTANY**  
**FAZL ALI COLLEGE, MOKOKCHUNG**  
**PROGRAMME OUTCOMES, PROGRAMME SPECIFIC OUTCOMES AND COURSE OUTCOMES**  
**B.Sc Botany , Fazl Ali College, Mokokchung**

**PROGRAMME OUTCOMES :**

**PO-1:** The curriculum is designed to suit the semester pattern and credit system adopted by the University. It incorporates the latest concept and application of the botanical knowledge in all aspects.

**PO-2:** The curriculum imparts theoretical knowledge corresponding with practical components to impart skills and techniques required in this subject areas.

**PO-3:** It envisages in teacher learner interaction and progressively enhances knowledge over the subject and inculcate in them a sense of spirit, inquisitive and appreciation of the dynamic nature.

**PO-4:** It helps the learner to have the knowledge to acknowledge and responsibility to the environment, ecology and biodiversity of plants.

**PO-5:** It helps the learner to understand the potential botanical, pharmacological and economic usage.

**PO-6:** Learn the application and usage of scientific instruments, tools and equipments

**PROGRAMME SPECIFIC OUTCOME (PSO) of B.Sc. Botany.**

Sl.no	B.Sc. PROGRAMME in BOTANY		
SEMESTER	PROGRAMME SPECIFIC OUTCOME ( PAPERWISE)		
	COURSE CODE	NAME OF THE PAPER	PSO
Semester I	BCC-01	Microbiology and Phycology	To understand the microbial world and to learn the diversity and life cycle among Viruses, Bacteria and Algae.
	BCC-02	Biomolecules and Cell Biology	To learn about cell science and cellular divisions. To understand the nature of biomolecules, cell organelles and its role in living organisms.
	BGE-01	Biodiversity (Microbes, Algae, Fungi and Archegoniate)	To gain knowledge on the important features of various microbes and Archegoniates. To study the life cycle of selected

			microorganisms and their economic importance.
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#### **COURSE OUTCOME:**

**CO-1:** Introduction to the Microbial World

**CO-2:** Introduction to types of Viruses.

**CO-3:** An account on the discovery of Bacteria, types, cell structure and reproduction

**CO-4:** Classify Algae, Thallus organization, Cell structure and reproduction

**CO-5:** Study of Class Cyanophyta and Xanthophyta such as Nostoc and Vaucheria

**CO-6:** Class Chlorophyta and Charophyta such as Oedogonium and Chara.

**CO-7:** Explain the occurrence, characters, thallus organization, reproduction cell structure of Ectocarpus and Polysiphonia

**CO-8:** Study of types and significance of Biomolecules.

**CO-9:** Bioenergetics and to understand the laws of Thermodynamics and structure of enzymes.

**CO-10:** Study of Cell, Cell wall, Plasma membrane and Cell organelles

**CO-11:** Description of Endomembrane system and to study the phases of eukaryotic cell cycle.

**CO-12:** Study the significance of Biodiversity with reference to Industrial, medical, environmental and agricultural microbes and fungi

**(K.HANAKO JAMIR)**

**HEAD**

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