

## **Program Objectives**

The purpose of the master's program in Bioresources is to develop knowledge and skills about the conservation and sustainable use of biological resources and to prepare students for a professional career in academia, industry, or research studies. Since Bioresources is a multidisciplinary the theory and practical modules included in P.G Bioresources provide the right mix of animal, plant, and microbial sciences to have an integrated understanding and multidisciplinary approach for problem-solving related to the conservation of biological resources and their sustainable use.

The program was envisaged to establish a sustainable technology for the exploration, development, and commercialization of a spectrum of high-value compounds for human and animal health derived from a diversity of bioresources (plants, animals, and microbes) based on innovation. The program aims to develop a close and profitable interface between academic institutions, research laboratories, and industries for the sustainable utilization of bioresources.

## **Programme Specific Objectives**

- Develop entrepreneurship skills to establish their own industries and to generate opportunities for employment in sectors viz., Apiculture, Aquaculture, Sericulture, Livestock and Aromatic units to introduce job-oriented courses with an immediate relevance to the socio-economic development of the region.
- Develop trained work force for various research organizations to conduct research pertaining to Immunology, Clinical Microbiology, Applied Fisheries, Applied Entomology and livestock.
- To understand the concept and components of biodiversity at organizational and spatial levels and know about the magnitude, distribution and values of biodiversity.
- To familiarize the students with conventional and non-conventional plant, animal, and microbial resources being used by humans. Sustainable utilization of these resources on the principles of modern thoughts and advancements.
- To provide insights into the importance of green energy (bioenergy), pseudocereals, and microbial resources and the role of biotechnology as a tool for harnessing benefits and improvement of bioresources, especially about climate change, energy, and food crises.