

**KERALA AGRICULTURAL  
UNIVERSITY**

**PROSPECTUS FOR ADMISSION TO  
B.Sc.-M.Sc. (INTEGRATED)  
MICROBIOLOGY**

**2024-25**

## 1. INTRODUCTION

The B.Sc.-M.Sc. (Integrated) Microbiology course offered by Kerala Agricultural University is a comprehensive program that provides students with a deep understanding of microbiology and its applications in various sectors. With a strong focus on agriculture and environment-related studies, this program equips students with the knowledge and skills necessary to contribute to sustainable agriculture, environmental management, biotechnology, human health, and other industries. Through a seamless progression from undergraduate to postgraduate studies, students receive specialized training in microbial genetics, ecology, biotechnology, and pathogenesis. The program emphasizes research-oriented learning, offering abundant opportunities for students to engage in practical research activities. Graduates of this program emerge as well-rounded microbiologists, ready to tackle the challenges of the industry and make significant contributions to scientific advancements. By choosing the B.Sc.-M.Sc. (Integrated) Microbiology course at KAU, students embark on a journey of academic excellence and career opportunities in the fascinating field of microbiology.

## 2. COURSE OBJECTIVE

- **Foundational Knowledge:** Providing students with a strong foundational understanding of microbiology, encompassing microbial structure, genetics, physiology, and ecology.
- **Research Skills:** Developing students' research capabilities by teaching them essential research methodologies, experimental techniques, and data analysis skills.
- **Applied Microbiology:** Training students to apply microbiological knowledge to real-world challenges in health, agriculture, food safety, and environmental conservation.
- **Critical Thinking:** Fostering critical thinking and problem-solving skills to analyze complex microbiological issues and devise innovative solutions.
- **Ethical Considerations:** Instilling a sense of ethical responsibility and professional integrity in students when conducting research, handling microorganisms, and addressing societal challenges.

The details of course are given below:

<b>a.</b>	Name of Course	B.Sc.-M.Sc. (Integrated) Microbiology
<b>b.</b>	Name of Institution	College of Climate change and Environmental Science
<b>c.</b>	Number of seats	30
<b>d.</b>	Duration of Course	5 years
<b>e.</b>	Eligibility	Candidates who have completed their Plus Two/Higher Secondary/equivalent examination in the science stream with Physics, Chemistry, and Biology/Mathematics as compulsory subjects with a minimum of 60% marks.
<b>f.</b>	<b>Fee Structure</b>	
	Admission Fee	Rs.10,000/-
	College caution deposit (refundable)	Rs.100,000/-
	Semester Tuition Fee	₹40,000/-per semester for general seats. US\$1500/- (₹124,000/-) per semester for NRI/ International seats.
<b>g.</b>	Medium of Instruction	English
<b>h.</b>	Accommodation	Candidates have to make their own arrangements for boarding and lodging

*\*The fee will be subject to revision from time to time at the discretion of the University.*

**3. SELECTION**

The selection of candidates will be based the on academic merit.

**4. SYSTEM OF TEACHING AND EVALUATION:**

Credit-based semester system with the existing pattern of the of Kerala Agricultural University

**FOR MORE DETAILS ABOUT THE COURSE, CONTACT:**

Dr.P.O.Nameer  
Dean, College of Climate Change and Environmental Science  
Email: [nameer.po@kau.in](mailto:nameer.po@kau.in)  
Mobile: 9745401986 & 9400824393

*For admission related queries, contact +91 487-243 8143/8139 (10 AM to 5 PM on working days)or email to [admissions@kau.in](mailto:admissions@kau.in)*

**DIRECTOR OF EDUCATION**

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