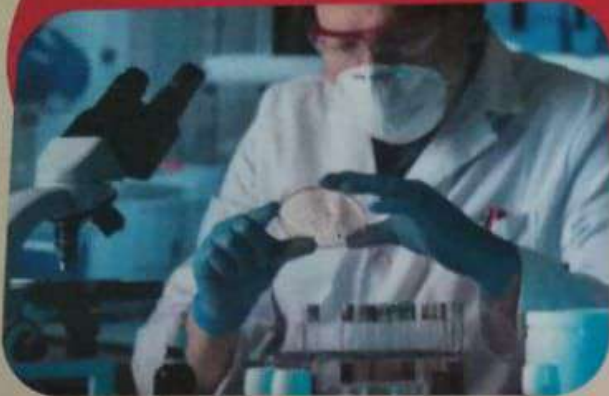




# VIJAYANAGARA SRI KRISHNADEVARAYA UNIVERSITY

BALLARY - 583105

**ADMISSIONS OPEN FOR**  
M.Sc. in Microbiology, P. G.  
Diploma in Food Analysis,  
Food Safety and Standards



## DEPARTMENT OF P. G STUDIES AND RESEARCH IN MICROBIOLOGY

Department of P. G Studies and Research in Microbiology which is introduced by Vijayanagara Sri Krishnadevaraya University in the year 2019. The Department mainly focus on the regular course of post graduate programme in M. Sc Microbiology, P. G Diploma programme in food analysis food safety and standards, online course on IPR and PhD programme in order to nurture and educate the students.

### GOAL

To provide platform to the individual in life sciences and establish Research and development by developing advance technologies in the field of Microbiology.



### VISION:

- To recognize the Standards of Vijayanagara Sri Krishnadevaraya University at global level in the scientific community by meeting the increasing demands in the field of Microbiology by 2024.
- To create excellence, Quality, Innovative thinking and Intellectual Ideas in nurturing young minds.
- To conserve the biodiversity and environment



- To create advanced infrastructure for Department of post graduate studies and research in Microbiology to promote knowledge and scientific relevance.
- To provide entrepreneurship, placements for students who pursue M. Sc, PG Diploma and PhD studies.
- To promote Training and skills in Microbiology.
- To identify the 99 percent unidentified novel microbial species by creating patentable innovative technologies. To develop eco friendly production of biomolecules and microbial metabolites at low cost technologies, go green concepts.

### ELIGIBILITY

The duration of the study for M.Sc. Microbiology will be of four semesters spread over two years. be eligible for the admission in the M.Sc. program, students must have a Bachelor Degree in Science or Bachelor Degree in allied disciplines of the biological sciences with at least 55% admission. However, in case of candidates belonging to SC/ST and any other groups classified by the Government of Karnataka, the University Regulations governing PG Program shall be applicable for time to time. Every year 40 students will be given admission as per rules prescribed by the University. The number may vary as per University norms and conditions.

The Board of Studies has framed and approved the Syllabus/Scheme of examination of Choice Based Credit Based System (CBCS) and recommended for implementation from 2019-20. The following are the scheme of course proposed by the Board.

1. M.Sc, Degree in Microbiology - I and II Semester

2. M.Sc, Degree in Microbiology - III and IV Semester

### POST GRADUATE DIPLOMA IN FOOD ANALYSIS, FOOD SAFETY AND STANDARDS

Candidate with Degree and Masters Degree in Microbiology/Botany/ Zoology/ Biotechnology/ Biochemistry/ Plant Science/ Agriculture/ Sericulture/Food and Nutrition/Home science/ Life Science and allied sciences. Students doing their M.Phil/Doctoral studies can also join the programme to strengthen their analytical skills. Working professionals in government and private sector companies can also pursue this

### AREAS OF RESEARCH

- Microbial bioactive molecules and biopolymers.
- Fermentation technology and Bio processing.
- Food analysis and food safety, Prebiotics and Probiotics and Agriculture Microbiology.
- Molecular diagnostic Microbiology, Multi drug resistance and clinical research
- Molecular biology, computational biology, GMOs(transgenics).
- Metagenomics and transcriptomics
- Microbial taxonomy and identification of novel microorganisms.
- Protein engineering, peptide research and crystallography.
- Microbial synthesis of nanoparticles.
- Microbial ecology and environmental Microbiology- xenobiotics, biodegradation, bioremediation and bioleaching and Bioenergy.



### Career Opportunities

Microbiologist, Research Scientist, Research Associate, Junior Research Fellow, Senior Research Fellow, Post Doctoral Fellow, Assistant Professor, Quality Controller, Quality Assurance Manager, Food Inspector, Food Analyst, Junior Food Analyst, Team Leader, Clinical Researcher in Various Universities, Central Institutes, Food, Beverage, Pharma, Health sector.

Contact : **Dr. Krishnaveni**, Cell: 7795724573 / 9845805477  
Department of Microbiology, VSKU Ballary.

krishnavent.chikkam@gmail.com  
krishnaveni@vskub.ac.in

For Details log on to : [vskub.ac.in](http://vskub.ac.in)