

Programme Specific Outcomes (PSO)_UG Honors Course

<i>PSO1</i>	Students are able to explain the fundamental concepts, core theories, methods and practices in different branches of Microbiology
<i>PSO2</i>	They are able to identify the microorganisms, classify them on the basis of their morphological characteristics, and the relation between them and the environment
<i>PSO3</i>	They can explain a rational understanding of the diversity of microorganisms, structure, functions
<i>PSO4</i>	They are able to understand the bioinformatics and biostatistics
<i>PSO5</i>	They can explain the role of microorganism in biosphere
<i>PSO6</i>	They can apply the scientific methods for laboratory and conventional investigations safely and formulate valid conclusions based on the results in the field of Microbiology
<i>PSO7</i>	Describe the role of microbes in human, food and dairy technology, agriculture, process of heritable information in microorganisms and forming new genetic combinations through recombinant DNA
<i>PSO8</i>	Recognize bio safety measures, intellectual property rights and explore career related options in the field of Microbiology
<i>PSO9</i>	Employ their knowledge of various bio molecules and enzymatic properties of microbes and fermentation processes in developing environment friendly products or processes

Programme Specific Outcomes (PSO)_PG Course

<i>PSO1</i>	Communicate and analyze the core concepts and theories in Microbiology and allied sciences
<i>PSO2</i>	Use appropriate microbiological and molecular lab equipment and methods
<i>PSO3</i>	To isolate and identify microorganisms by media-based and molecular biology-based techniques
<i>PSO4</i>	To address biological issues by using bioinformatics and biostatistics
<i>PSO5</i>	Practice safe microbiology, using appropriate protective, biosafety and emergency procedures
<i>PSO6</i>	Plan and design systematic research activities in the field of Microbiology and allied sciences including necessary skills for collecting, processing and interpreting data and drawing logical inferences