

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Re-accredited by NAAC with 'A+' Grade (4th Cycle)

College of Excellence (UGC)

Coimbatore – 641 029

DEPARTMENT OF BIOTECHNOLOGY

PROGRAMME SPECIFIC OUTCOMES (PSO)

M.SC. BIOTECHNOLOGY

**For the students admitted in the
Academic Year 2020-2021**

PSO1 : Apply knowledge of applied science and research fundamentals in the area of biotechnology – cell and molecular biology, microbial technology, genomics, proteomics, genetic engineering, advanced plant and animal sciences, computational biology, etc.

PSO2 : Use research-based knowledge including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PSO3 : Understand the impact of the biological solutions / needs in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. Apply ethical principles and commit to professional ethics and responsibilities and norms of the current practice.

PSO4 : Demonstrate knowledge and understanding of concepts, principles and experimental approaches in Biotechnological to one's own work, as a member and leader in a team. Function effectively as an individual, and as a member or leader in teams, and in multidisciplinary settings.

PSO5 : Demonstrate an ability to identify careers in biotechnology, domain like Pharmaceutical, Food Industry etc, and skills required to work in a biotechnology laboratory or manufacturing facility.