

## **Report:**

Department of Microbiology organized a talk as a part of the Academic-Industry interaction for the MSc and BSc Microbiology students. Dr. Prabu Rajagopalan, Head & Operation Manager, Vidya Herbs PVT Ltd, Bangalore delivered a talk on “Industrial Biotechnology & commercialization” on 20 March 2024, 11:00 AM at the Seminar Hall, School of Life Sciences, Mysuru, JSS AHER.

The speaker shared his perceptions on the need for strategic partnerships between academia and industry for translating research findings into market-ready solutions. This collaborative effort ensures that breakthroughs in labs translate into tangible products, benefiting society and driving economic growth. Industrial Microbiology & Biotechnology represents a paradigm shift in manufacturing processes, utilizing biological systems and organisms to produce valuable products. From pharmaceuticals to biofuels, its applications are vast and transformative. The commercialization of Industrial Biotechnology has seen a surge in recent years, driven by advances in genetic engineering, synthetic biology, and fermentation technologies. This convergence has enabled the production of high-value compounds at scale, revolutionizing various sectors. The scalability and sustainability of bioprocesses offer competitive advantages over traditional methods, reducing reliance on fossil fuels and minimizing environmental impact. As a result, Industrial Biotechnology is not only reshaping industries but also contributing to the global transition towards a bio-based economy.

For BSc and MSc students, exploring the interdisciplinary nature of Industrial Biotechnology opens doors to diverse career opportunities. Whether in research and development, regulatory affairs, or entrepreneurship, this field offers a dynamic platform to innovate and make meaningful contributions to society."

