



The Oxford College of Science

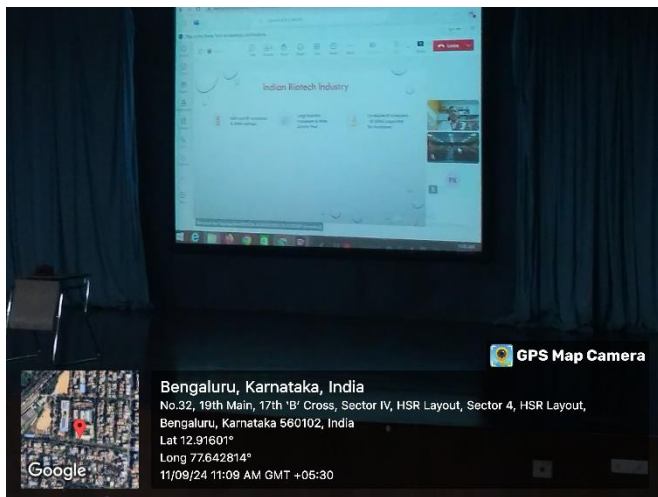


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EVENT: Career Counselling: Road Map for Life Sciences—Professionals for Industry Career

DATE & TIME: 11th September 2024, 10:30 AM

VENUE: Auditorium, The Oxford College of Science (Hybrid/ live conference mode)

RESOURCE PERSON: Dr. Ramgopal Rao S, Senior Academic Manager, Biocon Academy, Bangalore..

NO. OF STUDENTS PARTICIPATED: 140 PG Biotechnology and other Life Science students

PROGRAMME COORDINATOR: Dr. Kavisa Ghosh, TOSSEC Co-ordinator, Assistant Professor, Department of Biotechnology, The Oxford College of Science.

A Career Counselling on “Road Map for Life Sciences-Professionals for Industry Career” was organized for all PG Biotechnology and other life science students. Students were introduced to the role of life sciences in achieving the United Nations' Sustainable Development Goals (SDGs). Key focus areas included Food and Nutrition, Health, Clean Water, Fuel, Climate Action, and the Environment. It also introduced the concept of the "Bio-Economy", covering sectors such as Biopharma, Bio-Industrial, and Bio-Agriculture. An overview of the Indian biotech industry was provided, highlighting the existence of over 600 core biotech companies, 5,000 startups, 65 bio-incubators supported by BIRAC, and approximately 1,400 FDA-approved manufacturing plants. Emphasis was given to the critical skills required for postgraduates, including technical knowledge in cell biology, biochemistry, and bioinformatics and practical training in techniques like cell culture and genetic engineering. The session also included an overview of the various divisions within the bio-industry, focusing on the essential skills needed for roles in quality control (QC), regulatory affairs (RA), and research and development (R&D).