



WEBINAR

on

Bioprocess Techniques & Downstream of Targeted Metabolites

Date: 20th June 2020

Resource Person:

Dr. Dipankar Bhattacharya

Professor, Department of Chemistry

School of Applied Science, CUTM

No. of Students and/or Faculty Participated: 220

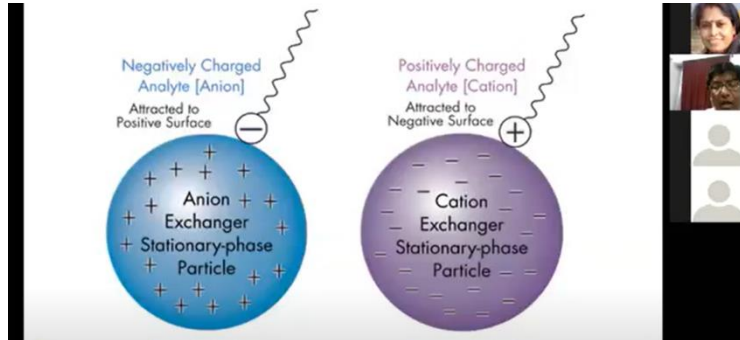
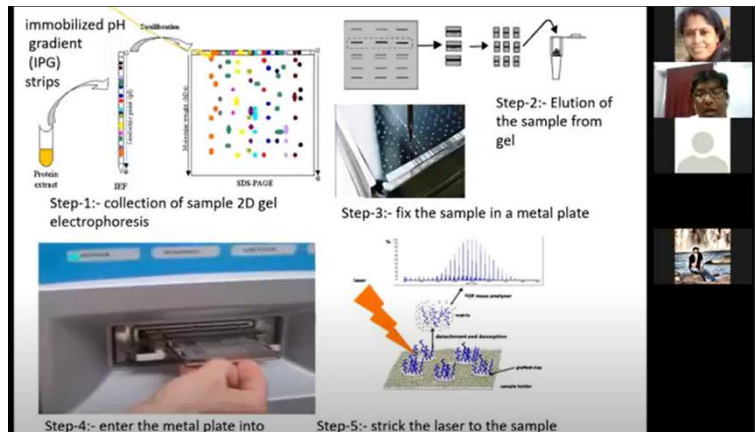
About Session:

Biotechnology is a highly interdisciplinary field that combines biological sciences with engineering technologies to manipulate living organisms and biological systems to produce products that advances healthcare, medicine, agriculture, food, pharmaceuticals and environment control. Biotechnology can be classified into two broad categories: R&D in Biological Sciences and Industrial Processes. The biological sciences aspect deals with research and development in areas such as Microbiology, Cell biology, Genetics, Molecular Biology etc. for understanding the occurrence and treatment of diseases, development of agriculture, food production, protection of the environment and many more. Most of the R&D work in biological sciences is carried out in the laboratory. The industrial processes aspect deals with the production of drugs, vaccines, biofuels and pharmaceuticals on an industrial scale using biochemical processes and techniques.

The session started with a briefing on the Bioprocess Technology, the bioprocess technology is the process of developing products by taking advantage of natural biological activities. The potential uses of biotechnology laboratory procedures produce only a small number of useful substances. Advances in fermentation, separation, and purification techniques, help in the production of a large number of substances economically viable.

Objectives

- To get more knowledge on the plant cell metabolites
- To learn the techniques used in the bioprocess technology
- To get more idea on the research carried out in the bioprocess technologies
- To evaluate the kinetics and thermodynamics of the enzymatic process
- To study the stoichiometry and energetics of cell growth and product formation
- To evaluate the kinetics and mechanism of microbial growth



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Bioprocess techniques & downstream targeted metabolites

Organized by :

Centurion University of Technology and Management

Resource Person

Dr. Dipankar Bhattacharya

Professor, Department of Chemistry

Date: 20th June 2020

FACULTY LIST


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3	Dr.Shanatanu Bhattacharya	Asst.Prof & HOD, Dept. of Botany
4	Dr.Pratibha Rani Deep	Asst.Prof
5	Mr.Debashish Trpathy	Asst.Prof & HOD,Dept. of Zoology
6	Mr.Pankaj Meher	Asst.Prof
7	Mr.Sujit Kumar Mishra	Asst.Prof
8	Mr.Chinmayee Tripathy	Asst.Prof
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18	Dr.Jayakishan Meher	Prof. & HOD, Dept. Of IT & BCA
19	Mrs.Monalisa Joshi	Asst.Prof
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21	Dr.Nilaya Kumar Mohanty	Asst.Prof & HOD,Dept. Physics
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27	Mr. Dinesh Kumar Sharma	Asst.Prof
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30	Mr. Biswajeet Acharya	Asst.Prof
31	Mr.Swarnajeet Tripathy	Asst.Prof
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60	Dr. Barsha Tripathy	Assistant Professor
61	Dr. Smaranika Mohanta	Assistant Professor
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64	Dr. Sunna Deepthi	Assistant Professor
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