REGISTRATION FORM

A Week Long
Faculty Development Program
On
"Microbes' Potential to Bail out the Energy Crisis"
(December 15-20, 2022)

Name: …….....

Designation: …….....

Department: ……....

Inst./Univ.: ……..

Research Interest: ……...

Highest Qualification: ……

Years of Experience: ……..

E-mail: ……...

Phone: ……

Signature of the Participant: ……...

Signature of Head of the Dept./Inst. ……..

Official Stamp:

The filled registration form should be sent to fdpbe2022@gmail.com by December 12, 2022.

All participants are required to fill the Google form via following link:

https://forms.gle/7N6uDspsVxCpCZQ26

PATRON

Prof. Samsher

Hon'ble Vice Chancellor
HBTU, Kanpur

CHAIRMAN

Prof. Reena Singhal

Dean, School of Chemical Technology
HBTU, Kanpur

CONVENER

Mr. Brajesh Singh

Head, Biochemical Engineering Department
HBTU, Kanpur

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Ms. Roma Agrahari

Mr. Akshay Kr. Singh

Mrs. Roma Verma

A Week Long Faculty Development Program On "Microbes' Potential to Bail out the Energy Crisis"

December 15-20, 2022

Organized by

Biochemical Engineering Department
School of Chemical Technology
Harcourt Butler Technical University
Kanpur-208002

Venue:

Online mode via Google Meet

ABOUT THE UNIVERSITY

Harcourt Butler Technical University, Kanpur (*Formerly*HBTI, Kanpur) was established in 1921 and has a glorious history and has always been in the forefront for technological developments and growth of industries in the country since its inception. The Institute had its decent beginning as Government Technological Institute, Uttar Pradesh in 1921 with Dr. E. R. Watson as its first Principal. The Institute was renamed as Harcourt Butler Technological Institute in 1926 in the honor of name of Sir Spencer Harcourt Butler, the then Governor of U. P. Degree courses in Oil Technology and Chemical Engineering were started in 1954 and thereafter number of undergraduate and post graduate courses were started. On March 26, 1965, it was upgraded from a Government Department status to an autonomous Institution. It was upgraded as Harcourt Butler Technical University, Kanpur on September 01, 2016 by Govt. of UP. University spreads across two campuses - East Campus (77 acres) and West Campus (271 acres) situated approximately 3.5 kilometers apart. The University provides a congenial environment for the holistic growth and all-round development of the students such that they become globally acceptable personalities with excellent communication skills, proper attitudes, aptitudes, problem solving capabilities and to work as a team.

ABOUT THE DEPARTMENT

Biochemical Engineering Department was reestablished as a separate department under the aegis of School of Chemical Technology after upgradation of HBTI to HBTU in September 2016. Erstwhile, it was a combined department with Food Technology and known as Department of Biochemical Engineering and Food Technology, established in 1964. Being one of the oldest departments of the university, it aims to produce man power with high quality scientific skills, broad understanding of fundamentals and innovations in the field of Biochemical Engineering, immense knowledge in the areas of specialization, keen interest to stay updated with the technical developments in their specialized areas, ability to solve practical, industrial problems and above all the capacity to learn continually and interact with the multi- disciplinary groups. The department offers four-year B. Tech. and Two-year M. Tech. programs in Biochemical Engineering along with a regular and part time Ph. D. programs for the students to develop skills, knowledge in their respective fields according to the present and future need of society and industry.

ABOUT THE FACULTY DEVELOPMENT PROGRAM

High greenhouse gas emissions, lethal air pollution, fluctuating fossil-fuel costs, and strong increase in worldwide transportation fuel demand have fuelled extensive bioenergy demand and research. Biofuels offer many benefits, including energy security, environmental cleanliness, and sustainable development, and are therefore considered a relevant technology. Tight energy situation escalated dramatically into a full-blown global energy crisis following Russia's invasion of Ukraine in February 2022.

Microbes are potential candidate to resolve the energy crisis. Algal biomass, oil synthesizing yeast and gas producing bacteria & many others can be utilized for the development of low cost bioenergy and biofuel with zero pollution.

Hence it is need of the time to update faculty members and professionals with recent developments/advancements in different areas of bioenergy and biofuel.

THEME

FDP will cover the following thematic areas:

- **Algal Biomass**
- **Microbial Oil**
- **Microbial Technology**
- **Bio-electrochemical Processes**
- **Lignocellulosic Conversion**
- **Biodiesel and Biogas**
- **Energy Crisis & Management**
- **Enzyme Technology & Bio-catalysis**
- **Microbial Hybrid Systems**

WHO SHOULD ATTEND THE FDP?

The course is open for faculty members and academicians from IITs /NITs, AICTE approved Engineering colleges/Institutions and working professionals from Industries/R&D organizations with the background of Biochemical Engineering, Biotechnology, Life Sciences, Chemical Sciences, Chemical Engineering & Technology and allied disciplines. The number of seats is limited to 80 candidates and the registration for the program will be made on the first come first serve basis.

RESOURCE PERSONS

The Scientists, faculty members, Industry experts from reputed engineering institutions/universities/ research organizations from all over the globe have been invited to deliver lectures on the various topics to cover entire spectrum of the FDP's themes.

REGISTRATION FEE

The participants need NOT to pay ANY REGISTRATION FEE to register in this program. However, they are required to fill an online Google form followed by duly forwarded offline registration form by the competent authority/supervisor for completing the registration in this program.

For Further Information, Please Contact

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