

Department of Biotechnology

28 July 2021

CIRCULAR

VALUE ADDED COURSE

(Bio-diesel Production from Algal Biomass)

Student of B.Sc. M.Sc. and B. Tech Biotech are hereby informed that value added course "Bio-diesel Production from Algal Biomass" is scheduled from August 2, 2021 in your respective classroom, Academic Block-III.

Schedule:

- Time Slot: 03:00 PM to 05:00 PM
- Key Speaker: Dr. Keshawanand Tripathi
- Duration: 2 hrs

Program Overview:

The objective of this course is to improve the understanding of students regards how petroleum and bio-based fuels affect the global carbon cycle, the attributes of biofuels that make them suitable as a fuel for a specific application, limitations of biofuels, global impacts of biofuels on food and energy supplies, and technological advances and Challenges to be overcome for a wide-scale biofuel adoption.


Dean

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Invertis University, Bareilly (U.P.)


Registrar
Invertis University
Bareilly

Dr. Pankaj Kumar Rai

(HOD)

Head

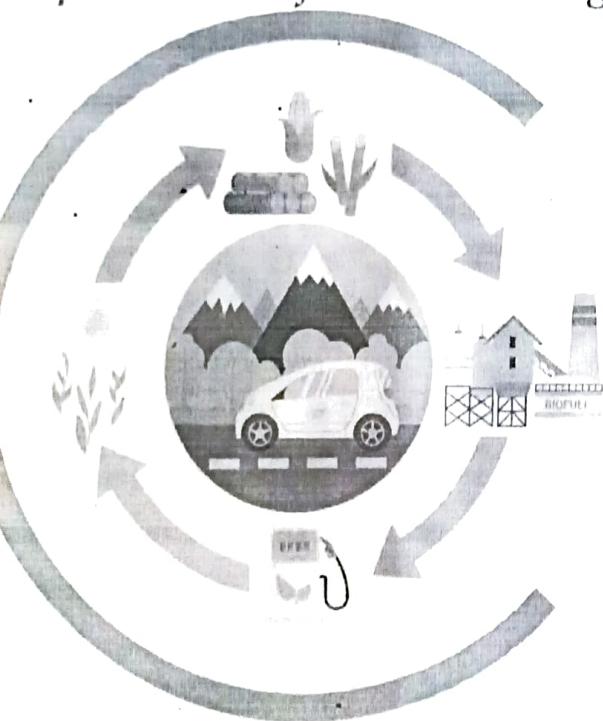
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Bio-diesel Production from Algal Biomass

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Organised by:-

Department of Biotechnology



Program :- B.Sc. M.Sc.
B.Tech Biotech

03:00 PM TO 05:00 PM



Aug 02–Aug 23 2021

HOD:

Dr. Pankaj Kumar Rai

[Signature]
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Invertis University
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Key Speaker :

Dr. K. N. Tripathi

[Signature]
Head

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Faculty of Science
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Bio-diesel Production from Algal Biomass

Course Overview:

The objective of this course is to improve the understanding of students regards how petroleum and bio-based fuels affect the global carbon cycle, the attributes of biofuels that make them suitable as a fuel for a specific application, limitations of biofuels, global impacts of biofuels on food and energy supplies, and technological advances and Challenges to be overcome for a wide-scale biofuel adoption.



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Invertis University, Bareilly (U.P.)

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BT 01- Bio-diesel Production from Algal Biomass

Course Name	Bio-diesel Production from Algal Biomass
Objective of the Course	This course "focuses on combustion fuels made from nonpetroleum sources and introduces the sources, processing, and social impacts of biofuel utilization. At the end of the course, "students will be able to describe: how petroleum and bio-based fuels affect the global carbon cycle, the attributes of biofuels that make them suitable as a fuel for a specific application, limitations of biofuels, global impacts of biofuels on food and energy supplies, and technological advances and challenges to be overcome for a wide-scale biofuel adoption."
Eligibility of participants	B.Sc. / B. Tech. / M.Sc. Biotechnology Students
Course duration	36 Hours (2 Hours Per Day; Monday to Saturday)
Certificate (if Yes then criteria)	N.A.
Syllabus	<p>Unit 1 Biofuel production from microalgal carbohydrates and lipids coupled with greenhouse gas mitigation due to photosynthetic assimilation of carbon dioxide.</p> <p>Unit 2 Microalgae (including cyanobacteria) as commercial sources of value-added biochemicals such as polyunsaturated fatty acids and carotenoid pigments used as antioxidants in nutritional supplements and cosmetics.</p> <p>Unit 3 Metabolic basis for accumulating lipids as well as applicable methods of lipid and cellulose bioconversion and final applications of these natural or refined products from microalgal biomass.</p> <p>Unit 4 Lipids, one- step <i>in-situ</i> trans-esterification to quantify oil content. As a complement to microalgal oil fractions, the utilization of cellulosic biomass from microalgae to produce</p>

	bioethanol by fermentation, biogas by anaerobic digestion, and bio-oil by hydrothermal liquefaction.
Course Coordinator	Dr. Keshawanand Tripathi

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Value Added Course
 Course Name - Biodiesel Production from Algal Biomass
 Course Code - BI01

Duration - 36 Hours

S.No	Student name	Course	Student ID	Year	2 AUGUST 2021 - 23 AUGUST 2021																					
1	Rubi Sahu	BTECH BIOTECH	BBT2019010	2021-22	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
2	Divyansh Saxena	BTECH BIOTECH	BBT2019011	2021-22	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
3	Yashi Dixit	BTECH BIOTECH	BBT2019012	2021-22	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
4	Madhav Tripathi	BTECH BIOTECH	BBT2019013	2021-22	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
5	Lavi Sharma	BTECH BIOTECH	BBT2019014	2021-22	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
6	Surbhi Saxena	BTECH BIOTECH	BBT2019015	2021-22	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
7	Ash Ahmad Malik	BTECH BIOTECH	BBT2019018	2021-22	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
8	Harshvardhan Shakya	BTECH BIOTECH	BBT2019020	2021-22	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
9	Ramandeep Singh	BTECH BIOTECH	BBT2019021	2021-22	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
10	Sushmita Mistry	BTECH BIOTECH	IBMT2019002	2021-22	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
11	RUSHDA KHAN	MSC BIOTECH	MSBT2021012	2021-22	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
12	Shivani Verma	MSC BIOTECH	IBMT2019008	2021-22	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
13	SUMIT VERMA	BSC BIOTECH	B5BT2020005	2021-22	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
14	BOBBY KASHYAP	BSC BIOTECH	B5BT2020006	2021-22	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
15	M. AYAAN MALIK	BSC BIOTECH	B5BT2020007	2021-22	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
16	M. AJMAL	BSC BIOTECH	B5BT2020009	2021-22	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	

Total Student present 13

[Signature]

Head
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[Signature]
 Course Coordinator

Dean
 Faculty of Science
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. Rubi Sahu
of Program B.Tech Biotech Year/Semester IV
for successfully completing a value added course
Biodiesel Production from Algal Biomass
offered by Department of Biotechnology
during 2 August 2021 to 23 August 2021

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This Certificate is awarded to Mr./Ms. Divyansh Saxena
of Program B.Tech Biotech Year/Semester IV
for successfully completing a value added course
Biodiesel Production from Algal Biomass.
offered by Department of Bio-Technology
during 2 August 2021 to 23 August 2021.

Head of the Department

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This Certificate is awarded to Mr./Ms. Yashi Dixit
of Program B.Tech Biotech Year/Semester IV
for successfully completing a value added course
Biodiesel Production from Algal Biomass
offered by Department of Biotechnology
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This Certificate is awarded to Mr./Ms. Madhav Tripathi
of Program B.Tech Biotech Year/Semester IV
for successfully completing a value added course Biodiesel
Production from Algal Biomass.
offered by Department of Biotechnology
during 2 August 2021 to 23 August 2021

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This Certificate is awarded to Mr./Ms. Lavi Sharma
of Program B.Tech Biotech Year/Semester IV
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offered by Department of Biotechnology
during 2 August 2021 to 23 August 2021

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This Certificate is awarded to Mr./Ms. Surbhi Saxena
of Program B.Tech Biotech Year/Semester III
for successfully completing a value added course
Biodiesel Production from Algal Biomass
offered by Department of Biotechnology
during 2 August 2021 to 23 August 2021.

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This Certificate is awarded to Mr./Ms. Harshvardhan Shakya
of Program B.Tech. Biotech Year/Semester IV
for successfully completing a value added course
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offered by Department of Biotechnology
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This Certificate is awarded to Mr./Ms. Ramandeep Singh
of Program B.Tech. Biotech Year/Semester IV
for successfully completing a value added course ---
Biodiesel Production from Algal Biomass
offered by Department of Biotechnology
during 2 August 2021 to 23 August 2021

Head of the Department
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This Certificate is awarded to Mr./Ms. Sushimita Mistry
of Program B.Tech. Biotech Year/Semester II
for successfully completing a value added course
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offered by Department of Biotechnology
during 2 August 2021 to 23 August 2021

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This Certificate is awarded to Mr./Ms. Rushda Khan
of Program M.Sc. Biotech Year/Semester I
for successfully completing a value added course
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offered by Department of Biotechnology
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This Certificate is awarded to Mr./Ms. Mohd. Ajmal
of Program B.Sc. Biotech Year/Semester III
for successfully completing a value added course
Biobased Production from Algas Biomass
offered by Department of Biotechnology
during 21 August 2021 to 23 August 2023

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This Certificate is awarded to Mr./Ms. Mohd. Ayaan Malik
of Program B.Sc. Biotech Year/Semester II
for successfully completing a value added course
Biochisel Production from Algal Biomass
offered by Department of Biotechnology
during 21 August 2023 to 23 August 2023

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This Certificate is awarded to Mr./Ms. Bobby Kashyap
of Program B.Sc. Biotech Year/Semester III
for successfully completing a value added course
Biofertiliser Production from Algal Biomass
offered by Department of Biotechnology
during 21 August 2021 to 23 August 2023

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This Certificate is awarded to Mr./Ms. Sumit Verma
of Program B.Sc. Biotech Year/Semester III
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Biociesel Production from Algal Biomass
offered by Department of Biotechnology
during 2 August 2021 to 23 August 2023

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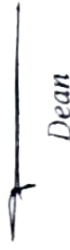
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CERTIFICATE OF VALUE ADDED COURSE

This Certificate is awarded to Mr./Ms. Shivani Verma
of Program M.Sc. Biotech Year/Semester I
for successfully completing a value added course
Biodiesel Production from Algal Biomass.
offered by Department of Biotechnology
during 2 August 2021 to 23 August 2023.

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This Certificate is awarded to Mr./Ms. Aish Ahmad Malik
of Program B.Tech Biotech Year/Semester IV
for successfully completing a value added course
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offered by Department of Biotechnology
during 2 August 2021 to 23 August 2021

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