

# Welcome to UPES

## The Nation Builders University



University of Petroleum and Energy Studies (UPES) was established in the year 2003 through UPES Act, 2003 of the State Legislature of Uttarakhand. With an ambitious vision and unique approach, UPES emerged as an innovative institution offering industry focused specialized graduate, postgraduate and doctoral programs in key areas such as Energy, Infrastructure, Transportation, Information Technology, Design, Planning & Architecture, Public Policy and Legal studies.

Founded by prominent educationalists and industry experts, UPES is committed to maintain high standards in providing quality education. The university endeavors to be recognized as a 'Nation Builders University' with a progressive vision of creating specialized professionals in the core sectors that can contribute in the growth of the country.

The university's objective is to develop competent technocrats, professionals and managers who are ready to join the core industries. Advanced teaching methodologies, innovative and updated curricula and the focus on 'on-the-job exposure' give UPES students the edge to be readily deployable in the chosen field.



**Chief Patron:**  
Dr S. J. Chopra

**Patron**  
Dr. Deependra Kumar Jha

### Advisory Council

- Dr. Kamal Bansal
- Dr. Dayanand Pandey
- Dr. Tabrez Ahmed
- Dr. Suresh Kumar
- Dr. Manish Prateek
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### Organizing Committee

- Dr. Vijay Parthasarthy
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- Dr. Abhishek Nandan
- Dr. Sanjay Kumar
- Dr. K.S Rajmohan
- Dr. Murlali Pujari

**Chairperson**  
Dr. Jitendra Kumar Pandey

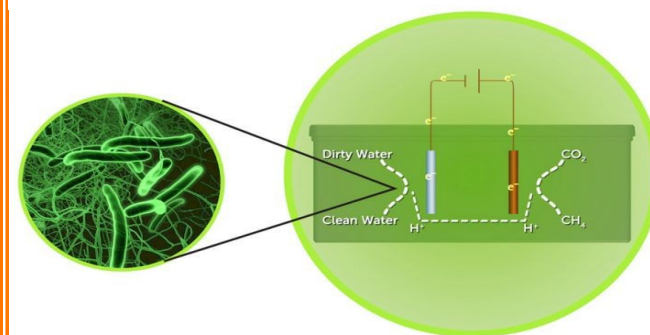
**Conveners**  
Dr. Nishu Goyal  
Dr. S. M. Tauseef

### Seminar Secretary

- K. Manjusha
- Meenakshi Pundir
- P. Swami Sairam
- Mukesh C Kestwal
- Surajit Mondal
- Ravi Patel



## Seminar On Role of Microbes / Algae in Wastewater Treatment



**26 October 2017**

### Venue for the Seminar

Energy House, Board Room  
University of Petroleum & Energy Studies  
Bidholi, Energy Acres, Dehradun  
Uttarakhand 248007

### Contact Details

R&D Energy House  
UPES, Bidholi Campus, Dehradun  
Email ID: [research@ddn.upes.ac.in](mailto:research@ddn.upes.ac.in)  
Contact no. : 07895830716

# Overview

Disposal of wastewater from an industrial plant is a challenging and expensive problem. Most petroleum refineries, chemical and petrochemical plants have onsite facilities to treat their wastewaters so that the pollutant concentrations in the treated wastewater comply with the local and/or national regulations regarding disposal of wastewaters into community treatment plants or into rivers, lakes or oceans. The environmental challenges posed by industrial processes, such as paper and pulp production, which produce a lot of wastewater lead to development of processes for recycling of water before its final treatment and disposal.



This seminar will present the recent advancement in the methodology and laboratory techniques of wastewater treatment using biological means such as microbes and algae. Eminent speakers from industries and reputed institutions will address key issues in the treatment of wastewater from various sources.

## Themes

- Microbial types, their metabolism and problems during treatment of activated sludge processes and control strategy
- Algae, its metabolism, associated problems and control strategy
- Wastewater to energy and fuels
- Issues and Challenges in the wastewater Industry

## KEYNOTE SPEAKERS



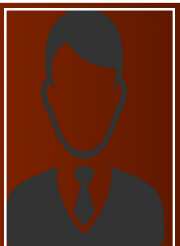
**Prof. V. Sivasubramaniam**  
*Director, Phycospectrum Environmental Research Centre (PERC)*

**Expertise:** Algae based bio-remediation technology, to manage a variety of industrial effluents including chemical, textile and leather industries. .



**Prof. Arun Kumar, Associate Professor**  
*Department of Civil Engineering*  
*IIT Delhi*

**Expertise:** Water reuse; Emerging water contaminants (Nanoparticles), Water treatment, Environmental statistics and quantitative decision-making



**Prof. Raja Chowdhury, Assistant professor**  
*Department of Civil Engineering*  
*IIT Roorkee*

**Expertise:** Algal bio-energy, Growth Kinetics, biofilm, valuable products  
Ecological consequences from bioenergy

## Registration

### Online Registration & Payment Details

<https://goo.gl/8LnfxS>



## Registration

This event is open to all UG and PG students, faculty, scientists and researchers engaged in the field of wastewater treatment using biological methods.

The registration can be done by remitting the fee online (NEFT) or submitting a Bank Demand Draft in favor of "UPES FEE ACCOUNT" payable at Dehradun. DD should be sent to The Convener, Seminar On Role of Microbes / Algae in Wastewater Treatment, University of Petroleum and Energy Studies, Bidholi Campus, Dehradun, Uttarakhand — 248007 and an email with scanned copy of DD along with duly filled registration form available at <https://goo.gl/8LnfxS> to [research@ddn.upes.ac.in](mailto:research@ddn.upes.ac.in)

DD in Favour of UPES, Payable at Dehradun  
Beneficiary Name : Seminar on Microbes/Algae  
Account Number : 95957777869696  
IFSC number : YESB0000115  
Bank name : YES Bank Rajpur Road Dehradun

## Important Dates

Deadline for early registration (online): **23<sup>rd</sup> October 2017**

On-spot registration: **26<sup>th</sup> October 2017**

Seminar Date: **26<sup>th</sup> October 2017**

## Registration Fee (in INR)

Students / UG / PG	: 500
Research Scholars (PhD)	: 700
Scientist / Academic Delegates	: 1000
Industry Delegates	: 1500
UPES faculty / Student	: Free

*Registration fee includes Certificate, Kit, Snack and Lunch*