

## SPONSORSHIP

Prof./Dr./Mr./ Mrs./-----  
is an employee of our institute and his/her application is hereby sponsored. The applicant will be permitted to attend the DST sponsored National Workshop on **“Green Hydrogen Generation: Research Issues And Opportunities”** will be held at **Shri Mata Vaishno Devi University, Kakryal. Katra-182 320, (J&K)** during 27<sup>th</sup> and 28<sup>th</sup> April 2023, if selected.

Date: Signature of sponsoring Authority  
Designation: Official Seal:

For applicants from Industries /Govt Organizations:

DD No.  
Date: Bank:  
Amount:

Signature of the applicant

## CORRESPONDENCE ADDRESS

M.Eswaramoorthy, (Green Hydrogen 2023)  
School of Mechanical Engineering  
Shri Mata Vaishno Devi University (SMVDU)  
Kakryal. Katra-182 320, (J&K)  
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## IMPORTANT DATES:

Last date of receipt of applications: 20-04-2023  
Intimation of selection by e-mail: 21-04-2023  
Duration: 27<sup>th</sup> and 28<sup>th</sup> April 2023

## RESOURCE PERSONS

Prof. P. Muthukumar IIT Tirupathi  
Prof. Sreedevi Upadhyayula, IIT Delhi  
Prof. T. J. Dhilip Kumar, IIT Ropar  
Dr. M. R. Nouni, Ex. Adviser, MNRE GOI  
Dr. Satya Sekhar, IIT Jammu

## HOW TO APPLY:

No registration fee for participants. The workshop is open to faculties and researchers. The interested participants are requested to complete the registration form through online registration @ [www.tinyurl.com/SMVDU-GreenH2](http://www.tinyurl.com/SMVDU-GreenH2)

## TRAVEL SUPPORT

Travel support will be provided to the limited participants (40) for first come and first serve basis.

## BOARDING AND LODGING

Boarding and lodging arranged at guest house on payment basis for the period of workshop and prefix and suffix one day.

## ANNOUNCEMENT

A NATIONAL WORKSHOP ON

**“Green Hydrogen Generation: Research Issues and Opportunities”**

27<sup>th</sup> and 28<sup>th</sup> April 2023

## SPONSORED BY

**Science and Engineering Research Board**  
(Statutory Body Established Through an Act of Parliament : SERB Act 2008)  
Government of India



## CONVENORS

**Dr.M. Eswaramoorthy, SoME, SMVDU**  
**Dr. Yathesth Anand, SoME. SMVDU**

## ORGANISED BY



**SCHOOL OF MECHANICAL ENGINEERING**  
**SHRI MATA VAISHNO DEVI UNIVERSITY**  
**KAKRYAL. KATRA-182 320, (J&K)**

[www.smvdu.ac.in](http://www.smvdu.ac.in)

## SCOPE AND OBJECTIVES

Green hydrogen is expected to play a huge role in decarbonization efforts in the future, especially in oil refineries, steel mills, and fertilizer plants. India's massive expansion to increase green hydrogen production is to curb energy imports and to meet climate targets. The aim is to produce 25 million tons by 2047. India's current output of green hydrogen is very low, and the country should ramp up its production to meet the climate goal targets. The country is still facing difficulties to scale up its production in a cost-effective manner. India is the world's third largest emitter of greenhouse gases. The Indian government targets for net-zero emissions by 2070, and it is carrying out various initiatives to achieve this target. India's decarbonization efforts are also getting support from private players in India. Research issues and opportunities in the field of green hydrogen productions are potential topics for brain storming. It will be promising options for clean energy systems to improve the national energy economy. Hence, a workshop is proposed to address key scientific challenges in the field of green hydrogen production technical challenges which are relevant to the development cost effective systems. The workshop is intended to expose and better learning the participants to the state-of-the-art concept green hydrogen generation technologies.

## THE CONTENTS

The topics will include

- Fundamental of Hydrogen Energy
- Hydrogen Energy Generation Technologies
- Biomass- Green Hydrogen
- Solar Photovoltaic- Hydrogen Generation
- Solar Thermoelectric –Hydrogen Generation
- Cost Benefits Analysis
- Research Issues on Green Hydrogen Generation.

## ABOUT THE UNIVERSITY

Shri Mata Vaishno Devi University (SMVDU) has been established by an Act of J&K State Legislature as an autonomous, highly technical and fully residential University. The University is recognized under section 2(f) and 12(B) of University Grants Commission Act 1956. The University provides technical education in the field of Engineering, Science, Management, Philosophy and other subjects of contemporary importance. The University campus is self-contained with most facilities available in-house. SMVDU is located 40 Kms from Jammu and well connected by Air and Train from most of the major cities of the country. It takes 1 hour by road to reach the University campus from Jammu. Katra is at 12 kms from the campus which is well connected by Train and Bus. It takes 20 minutes by road to reach the University campus from Katra. Jammu Airport Code: IXJ, Jammu Railway station code: JAT, Katra Railway station code: SVDK

## TARGET AUDIENCE

Teachers, Researchers and Students from Academic, Industry and researcher from R&D sector.

## RESOURCE PERSONS:

Experts from IIT's, NIT's and other reputed intuitions and industries will handle the sessions.

## COURSE MATERIAL:

Each registered participant will be provided with a set of comprehensive lecture notes.

## DST SERB SPONSORED NATIONAL WORKSHOP

### “Green Hydrogen Generation: Research Issues and Opportunities”

27<sup>th</sup> and 28<sup>th</sup> April 2023

## REGISTRATION FORM

1. Name (in block letters):
2. Designation:
4. Organization:
5. Date of birth:
6. Address for communication:

Pin:

Phone: Fax: Email:

7. Academic qualification:

8. Specialization:

9. Experience (in years):

11. Preferred accommodation:  
(Hostel/Guest House/Hotel)

12. Gender:

Place:

Date:

Signature of the applicant