Second International Conference on Next Generation Sustainable Materials for Water and Energy Solutions

(SuWatE+' 26)

VIT-AP UNIVERSITY

Department of Chemistry, SAS

SuWatE+26

In association with

Water: Effective Technologies and Tools Research Center
RMIT University

COLLEGE OF AGRICULTURE AND LIFE SCIENCES
SCHOOL OF ANIMAL SCIENCES
VIRGINIA TECH

IIT PALAKKAD

March 26-28, 2026 | www.suwate2026.com | Email: suwate@vitap.ac.in

About SuWatE+' 26

Addressing the urgent challenges of water and energy requires the innovative use of chemistry. The proposed International Conference on Next Generation Sustainable Materials for Water and Energy Solutions - 2026 (SuWatE+'26) (Theme: Water, Energy, Sensors & Technology) aims to bring together diverse branches of chemistry, materials science, chemical and mechanical engineering and computational studies to further advance this dynamic field of research. Our conference aims to foster discussions and innovative solutions by exploring the current fundamental understanding of chemistry to address energy and water challenges. Additionally, we will focus on enhancing light-matter interactions, designing and synthesizing novel materials, and employing in-situ techniques to study chemical processes for water and energy solutions.

Thrust Areas

Materials for water and energy

- Multimetallic and single-atom catalysts
- Defect engineering in chemical materials
- Clusters, nanoparticles & plasmonic materials
- Supramolecular materials, crystal engineering
- Metal and covalent organic frameworks
- 2D and 3D-based nanocomposites
- Advanced carbon materials

Water for sustainable development

- Methods for removal of contaminants
- Photodegradation of organics & dyes
- Desalination
- Separation & purifications of metals
- Extraction of value-added metals & chemicals
- Advanced oxidation process
- Phyto- and phycoremediation
- Antibacterials & antifungal activities
- Water for climate, resilience & environment

Extended to sensor science and technology

Theoretical methods for water and energy

- Computational tools
- Quantum computation
- Machine learning and artificial intelligence tools

Energy for Sustainable future

- Supercapacitors & Battery
- Solar energy conversion
- Fuel cells
- Fluid dynamics (heat/mass transfer aspects)
- OER, HER, & ORR reactions
- Water splitting
- Carbon dioxide reduction
- Nuclear energy applications
- Green hydrogen production
- Green ammonia and urea synthesis
- Bio-renewable energy sector

Important dates

Abstract submission opens: November 10, 2025

Abstract submission closes: February 28, 2026

Acceptance notification: March 1, 2026

Registration details

Participant type	Early Bird Registration* (up to February 15, 2026)	Regular Registration* (From 15-28 February 2026)
Students (UG, PG, Ph.D)	2000	2500
Faculty, Scientist, Postdoc	2500	3000
Industry	3000	4000
Foreign participants	50 USD	70 USD

*The registration fee is non-refundable. An additional 18% GST is applicable

Keynote Speakers

Prof. Narayan Roger J
NC State Univ. USA

Prof. M G Sethuraman
GRI, India

Prof. S Meenakshi
GRI, India

Prof. K V Gobi
NIT Warangal, India

Prof. E Balaraman
IISER, Tirupati, India

Prof. Biplob Kumar Pramanik
RMIT Univ. Australia

Prof. G Ranga Rao
IIT Madras, India

Prof. Yugender Goud Kotagiri
IIT Palakad, India

Prof. Azahar Ali
Virginia Tech, USA

Prof. V Aravindan
IISER, Tirupati, India

Prof. Andrews Nirmala Grace
VIT, Vellore, India

Prof. S Nagarajan
NIT Warangal, India

Prof. Bhabani Shankar Mallik
IIT Hyderabad, India

Prof. M Sankaralingam
NIT Calicut, India

Prof. S Karthikeyan
Yonsei Univ. South Korea

Prof. C. P Rao
SRM -AP Univ. India

Prof. P Ganesan
VIT Chennai, india

Registration & Payment

Convenors

Dr S Muthu Prabhu - 99444 98483
Dr M Satyanarayana - 99597 04030
Dr Illa Ramakanth - 95734 32526

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Abstract Submission