



VIT[®]

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

TWO DAYS INDO-TAIWAN CONFERENCE ON CHEMISTRY FOR SUSTAINABLE SOCIETAL APPLICATIONS (IT-CCSSA-2026)

29.01.2026 & 30.01.2026

Organized by
**Department of Chemistry,
School of Advanced Sciences,
VIT-Vellore**

Funded by



Scheme for Promotion of Academic and Research Collaboration



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Dr. T. Kali Kishore Reddy, Associate Professor, VIT-Vellore.

Dr. Abir Sarbjana, Assistant Professor, VIT-Vellore.

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Dr. Venkata Ramana Doddi, Professor, Department of Chemistry, Central University of Karnataka, Kalaburagi, India

About the Conference

Sustainable synthesis emphasizes efficient, eco-friendly catalytic transformations that reduce waste and environmental impact while meeting societal needs. Green chemistry advances this through renewable resources, deep eutectic solvents (DES), metal-free, photochemical, and enzymatic reactions, and the use of safer materials. This approach supports a sustainable and non-toxic future for chemical research and industry in healthcare, environment, fine chemicals, and energy. The symposium aim to find the solutions and future prospectives to achieve the sustainable development goals. This conference was organized by the Department of Chemistry, School of Advanced Sciences (SAS), VIT–Vellore. The event was funded by the Scheme for Promotion of Academic and Research Collaboration (SPARC). It provided a platform for national and international experts to share knowledge and foster collaborations. The discussions aimed to identify solutions aligned with the United Nations Sustainable Development Goals.

Expected Outcomes

- **Natural Bio-Molecule:** Use of bio-based materials (sugars, amino acids etc.) and their societal relevant applications such as water purification and fine chemical synthesis.
- **Green catalysts:** Bio-inspired eco-friendly reactions..
- **Sustainable solvents:** Green and recyclable solvents.
- **Efficient C-H functionalization:** Minimizes waste and energy in reactions.
- **Precise bioactive compounds:** Targeted synthesis reduces unwanted byproducts.

Vellore Institute of Technology

VIT was established with the aim of providing quality higher education on par with international standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. Quality in teaching-learning, research and innovation makes VIT unique.

Ranking & Accreditation

Vellore Institute of Technology (VIT) has emerged as one of the best institutes of India and is aspiring to become a global leader. The pathbreaking record includes - Engineering and Technology: 142nd in the World and 9th in India (QS Rankings by Subject 2025); Data Science and AI subject areas are within the Top 100 in the world. Computer Science, Information Systems, Electrical, Electronics, Material Science subject areas are within the top 200 in the world (QS Rankings by Subject 2025); Within the top 2 in India and top 600 in the world (Shanghai ARWU ranking 2025); NAAC Accreditation with A++ grade (3.66 out of 4); Within the top 20 in University, Research and Engineering categories in India (NIRF Ranking, Govt. of India 2025); 396th in the world and 8th in India (QS Rankings: Sustainability 2025)

School of Advanced Sciences (SAS)

The School of Advanced Sciences (SAS), established in 1984, includes Mathematics, Physics, and Chemistry departments. With a vision to provide globally impactful teaching and research, the school has 281 faculty members: 77 in Chemistry, 67 in Physics, and 137 in Mathematics.

The global standards set at VIT in the field of teaching and research spur us on in our relentless pursuit of excellence. The school offers the following 2-year MSc programs, MSc Chemistry (Organic / Inorganic / Analytical / Pharma); M.Sc. Physics; M.Sc. Data Science; M.Sc. Business Statistics. It also offers 5-Year Integrated MSc Chemistry; Integrated MSc Physics; Integrated MSc Mathematics; Integrated MSc Computational Statistics and Data Analytics. All three departments of the school have been recognized by DST-FIST and procured grant for establishing state-of-the-art sophisticated instrumentation facility. The school offers PhD programs in frontier research areas in physics, chemistry and mathematics.

Department of Chemistry

The subject of Chemistry is ranked within the top 10 in India and top 301-350 in the world as per QS World University Rankings, 2025. It consists of a total of 77 faculty expertise who excel in their chosen field of research, evident from their impactful publications, funded projects, industry consultancy, and patents. It offers Ph.D program and 2-year MSc Chemistry program, which is accredited by Royal Society of Chemistry (RSC-UK), with specialization in Analytical/Inorganic/Organic/General/Pharmaceutical Chemistry and also 5-year Integrated MSc Chemistry program. The Department is recognized by DST-FIST and have established Single crystal X-ray diffraction (SC-XRD) facility, in addition to the existing high-end state-of-the-art sophisticated instrumentation facility, necessary to carry out research. Students benefit from strong placement support, securing positions in top companies and admissions in prestigious institutions worldwide.

Indian Speakers

1. **Dr. T Mohan Das**, Professor, Central University of Tamilnadu, Thiruvarur.
2. **Dr G. Sekar**, Professor, IIT Madras, Chennai
3. **Dr. Mahiuddin Baidya, MD**, Professor, IIT Madras.
4. **Dr. Jeyakumar Kandasamy**, Associate Professor, Pondicherry University, Pondicherry.
5. **Dr. Durga Prasad Hari**, Assistant Professor, IISc, Bengaluru.
6. **Dr. C.B Rajasekhar Reddy**, Technical Head, Lotus Botanicals LLP, Visakhapatnam.

Internal Speakers

1. **Dr. Akella Sivaramakrishna**, Professor.
2. **Dr. Cheralathan K K**, Professor.
3. **Dr. Manju S L**, Professor.
4. **Dr. Rajagopal D**, Professor.
5. **Dr. Thirumanavelan G**, Professor.
6. **Dr. Kannadasan S**, Associate Professor.
7. **Dr. T. Kali Kishore Reddy**, Associate Professor.
8. **Dr. Tapas Ghatak**, Assistant Professor.
9. **Dr. Pratheepkumar Annamalai**, Assistant Professor.
10. **Dr. Abir Sarbajna**, Assistant Professor.
11. **Dr. Arup Sinha**, Assistant Professor.

International Speakers



Prof. Chun-Cheng Lin

Professor, NTHU, Taiwan

"Enzymatic glycosylation for the synthesis of human milk oligosaccharides and gangliosides"



Prof. Chai-Lin Kao,

Professor, KMU, Taiwan

"On-bead side-chain modification of peptide on electrophilic residues"



Prof. Joaquín García Álvarez,

Associate Professor, Universidad de Oviedo, Spain

"Beyond Conventional Organic Volatile Solvents: Organometallic and Catalytic Transformations in Deep Eutectic Solvents and Water"



Prof. Manuel Plaza Martínez

Assistant Professor, Universidad de Oviedo, Spain

"Simplifying C-C and C-X Bond Formation with Sustainable Photochemistry"

Dr. Akshay M Nair

CIQUS, Santiago de Compostela, Spain

"Accessing Molecular Complexity from Methane and Other Gaseous Alkanes via Photocatalytic Cascade Cyclization"

Dr. Prasanna Kumar Ganta
Kaohsiung Medical University, Taiwan.
"Enhanced Catalytic Activity of Novel Aluminum Complexes for the Ring-Opening Polymerization of ϵ -Caprolactone (Bio-degradable Polymers)"

**VENUE: V.O.C Gallery II, 2nd floor, TT-building,
Vellore Institute of Technology, Vellore**

Registration Details:

Registration fee incl of GST (Poster or Oral):

Faculty - Rs. 1500

Postdoc/PhD Scholars - Rs. 1100

Master's Students - Rs. 800

Industry - Rs. 2500

Awards: Two oral and Five Poster presentations will be considered.

Participation & Attending - no registration fee

Last date for registration : **27th January 2026**

Conference Link: <https://vit.ac.in/conference/IT-CCSSA-2026/>

Payment Link: <https://events.vit.ac.in/>

*Registration fee includes 2 lunches, 1 dinner, refreshments, kit, and hard copy of certificate for the participants.

Registration Related queries: Prof. S. L. Manju (+919003777645)

**Accommodation on request, with applicable charges. Please check website for details.

Regarding Accommodation contact: Prof. Cheralathan K K (+91-9944826771)

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Scan for abstract submission
<https://forms.gle/QDLWmQzsRznVTjt9>