



Dayananda Sagar Institutions

**DAYANANDA SAGAR COLLEGE OF ENGINEERING**

AN AUTONOMOUS INSTITUTE AFFILIATED TO VTU, APPROVED BY AICTE & UGC  
ACCREDITED BY NAAC WITH 'A' GRADE

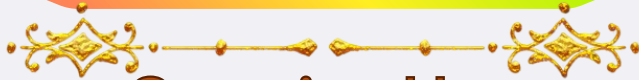
**INTERNATIONAL CONFERENCE ON  
"RECENT ADVANCES IN SCIENCE AND TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT"  
(RASTSD-2026)**



★ **JANUARY 8-10<sup>TH</sup> 2026** ★



**HYBRID MODE**



**Organized by**

**DEPARTMENT OF BIOTECHNOLOGY**

**DEPARTMENT OF CHEMISTRY**

**DEPARTMENT OF CHEMICAL ENGINEERING**

**JOINTLY WITH**



**INSTITUTION'S INNOVATION COUNCIL**  
(Ministry of HRD Initiative)



भारतीय जीवाणुतत्ववेत्त संगठन  
Association of Microbiologists of India



**SHAVIGE MALLESHWARA HILLS, KUMARASWAMY LAYOUT, BENGALURU- 560 111**

## ABOUT DSCE

Founded in 1979 under the Mahatma Gandhi Vidya Peetha Trust, Dayananda Sagar College of Engineering (DSCE) is one of India's premier institutions for technical education, approved by AICTE and affiliated with Visvesvaraya Technological University (VTU). The college offers 18 undergraduate and 6 postgraduate programs along with 18 research centers recognized by VTU for Ph.D. studies, DSCE is committed to academic excellence, innovation, and research. The 7-acre green campus is equipped with state-of-the-art infrastructure, Wi-Fi connectivity, advanced laboratories, and well-resourced libraries. Accredited by NAAC with an 'A' grade and NBA for eligible UG programs, DSCE has consistently earned national recognition, including NIRF rankings (Innovation Category: 51-100 band, Engineering Category: 201-300 band) and top positions in India Today, The Week, and Careers360 surveys. With Centres of Excellence in collaboration with multinational corporations, strong R&D projects funded by national agencies, a vibrant alumni network, and an active placement division ensuring industry-ready graduates, DSCE continues to nurture global leaders in engineering, research, and innovation.

## DEPARTMENT OF BIOTECHNOLOGY

Department of Biotechnology was established in 2006. The department offers B.E, M.Sc. Engineering by Research and Ph.D. in Allied Sciences. The Department, accredited by NBA-Tier 1, offers a unique blend of scientific expertise in applied biological sciences, computational biology, and biochemical engineering. The department has teaching and research programs comprising basic and applied aspects of modern biotechnology. The main objective is to provide academic training and research in interdisciplinary areas. In addition to regular academics imparted by the OBE (outcome-based education) approach, TLP (Teaching Learning Process) is executed by faculty to prepare learners for the future world through internships and projects. To date, Rs 3.00 crores have been received as R&D grants from DST, DBT, GoK, VGST, KSCST, etc. The department has a semi commercial Plant Tissue Culture Laboratory catering to the needs of farmers by providing quality planting materials. Faculty and students regularly publish in SCI and SCOPUS-indexed journals. The Association of Microbiologists of India (AMI), Bangalore Chapter, was reinitiated at Dayananda Sagar College of Engineering (DSCE) in 2013. AMI won "Best Unit Award in 2018 consecutively from 2021 to 2024. With the support of the life members, annual members, and with the patronage of the management of DSCE, various activities are conducted regularly for the benefit of students, faculty, and scientists.

## DEPARTMENT OF CHEMISTRY

Department of Chemistry was established in the year 1979 and is one of the oldest departments of DSCE. The department adopts the best pedagogical methods to maximize knowledge transfer and imparts interdisciplinary thinking by providing the students with educational and research opportunities between Chemistry and other fields of study. Currently, the department is offering BE courses for first-year students and elective courses for higher semesters. The department also offers a Ph.D. degree in various specializations of Chemistry. The department is well-equipped with state-of-the-art infrastructure which includes the VTU research centre, affiliated with Visvesvaraya Technological University, Belagavi. The department executed a few research projects funded by VGST and VTU. The department holds many publications in peer-reviewed international journals with a high impact factor. Department of Chemistry has an MOU for research and holds an institutional membership with the Electrochemical Society of India, IISc campus. All the faculty members are experienced, qualified doctorates, and are committed to research in various specializations. Apart from this, the Department of Chemistry regularly organizes invited talks, expert lectures, webinars, and Industry Institute interactions for the students and faculty members to motivate and update themselves with the latest emerging technologies.

## DEPARTMENT OF CHEMICAL ENGINEERING

Department of Chemical Engineering is one of the oldest departments in the institution, established in 1982. It has been accredited by the National Board of Accreditation (NBA) three times, once with a five-year accreditation. The department is also recognized as a research center under VTU for pursuing M.Sc. (Engg by Research) and Ph.D. programs. The department has well-established laboratories and is supported by a team of highly qualified and experienced faculty members. It consistently receives research funding from various external agencies such as KSCST, IICHe, and AICTE. Faculty and students regularly publish their research work in national and international journals, have received appreciation from various reputed organizations. Since 2011, the department has also been providing scholarships to support deserving and economically challenged students. The department maintains a good placement record, with students securing roles in leading core and interdisciplinary industries, supported by comprehensive training in soft skills, aptitude, and technical areas. The department partnered with Dundee College, Scotland, under the UK-India Education and Research Initiative (UKERI) for a program focused on health and safety. Faculty from Dundee College visited us to deliver lectures on safety topics, and in exchange, four of our faculty members visited Dundee College to strengthen academic collaboration. Additionally, experts from Shell, GE, and the Karnataka State Fire and Emergency Services, along with our faculty, have conducted sessions on Electrical Safety, Fire Safety, Behavioural Safety, MSDS, Chemical Safety, Food Safety, and Biosafety. The department regularly organizes Faculty Development Programs (FDPs), workshops, invited lectures, industrial visits, and various co-curricular and extracurricular activities. Under the aegis of the Chemical Engineering Association, the department conducts a variety of technical events such as paper presentations, quizzes, modelling, collage-making competitions, debates, essay writing, and more.

The International Conference on “Recent Advances in Science and Technology for Sustainable Development (RASTSD)-2026” which will be held from January, 8-10<sup>th</sup>, 2026, jointly organized by the Departments of Biotechnology, Chemistry, and Chemical Engineering. It serves as a platform for experts from academia and industry to discuss advancements in chemical and biological sciences, focusing on sustainability. The event will feature keynote talks, panel discussions, and workshops addressing innovative research, sustainable production, smart manufacturing, and transformative mobility solutions. Participants can exchange knowledge and network to drive innovation in engineering, chemistry, and sustainability practices.

Prospective authors are encouraged to contribute and shape the conference through submissions of their original, unpublished research abstracts.

## CONFERENCE THEMES

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|---|---|
| <ul style="list-style-type: none"><li>• Advanced and Sustainable Materials</li><li>• Biomimetic Materials</li><li>• Green technology</li><li>• Semiconductor Materials and its Applications</li><li>• Recycling and Environmental Technologies</li><li>• Materials for Energy Storage and Conversion</li><li>• Biosensors</li><li>• Biodegradable Materials</li><li>• Bioremediation Process</li><li>• Corrosion Science</li><li>• Fuel cells and Batteries</li><li>• Advances in Genetic Engineering and Synthetic Biology</li><li>• Biotechnological Innovations for Environmental Sustainability</li></ul> | <ul style="list-style-type: none"><li>• Industrial Biotechnology for Green Manufacturing</li><li>• Biotechnology in Agriculture and Food Security</li><li>• Therapeutic and Diagnostic Applications of Biotechnology</li><li>• Bioprocess Engineering and Fermentation Technologies</li><li>• Bioinformatics and Computational Biology in Biotechnology</li><li>• Advances in Stem Cell Research and Regenerative Medicine</li><li>• Marine and Microbial Biotechnology for Resource Utilization</li><li>• Ethical and Regulatory Challenges in Biotechnology Development</li><li>• Computational Modeling and its Applications</li></ul> |
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## Guidelines for submission of Abstracts

The abstract shall be in format of: Title (Times New Roman; font size 14; bold) Author names and affiliations along with the details of the corresponding Author's Email and abstract body must be in Times New Roman; font size; 12, with 1.5 spacing, preferably in the standard format, Abstract shall not be more than 250 words to be submitted in soft copy to e-mail id: [rastsd2026@gmail.com](mailto:rastsd2026@gmail.com)



# Recent Advances in Science and Technology for Sustainable Development (RASTSD -2026)



## INVITED SPEAKERS



**Mr. Suvarna Raju**  
Former Chairman and  
Managing Director  
HAL  
Bengaluru



**Dr. Diana Bogueva**  
Research Associate  
Curtain University  
Sustainability Policy  
(CUSP) Institute  
Australia



**Dr. Katharigatta N.  
Venugopala**  
Professor, Department of  
Pharmaceutical Sciences  
Saudi Arabia



**Dr. Achalkumar A S**  
Professor  
Dept. of Chemistry  
IIT Guwahati



**Dr. Katarzyan Swiader**  
Assistant Professor  
Warsaw University of  
Life Sciences - SGGW  
Poland



**Dr. Anuradha Singh**  
Founder and Director  
Aaryagen Seeds and  
Technologies Pvt. Ltd.  
Bengaluru



**Dr. M. V. Ramani**  
Partner LEXORBIS  
Former Director-Patent  
Development  
Bengaluru



**Dr. Navneet Kumar Gupta**  
Assistant Professor  
Centre of Sustainable  
Technologies  
IISc., Bengaluru



**Dr. Ananda**  
Director (I/C)  
Poornaprajna Institute of  
Scientific Research  
Bengaluru



**Dr. Tapas Kumar Mandal**  
Professor  
Dept. of Chemical Engg. and  
Centre of Nanotechnology  
IIT Guwahati



**Dr. Nikhil Gandasi**  
Assistant Professor  
Dept. of Development  
Biology and Genetics  
IISc., Bengaluru

# Recent Advances in Science and Technology for Sustainable Development (RASTSD -2026)

## IMPORTANT DATES

Last Date for Submission of Abstract

15.11.2025

Notification of Acceptance

25.11.2025

Last Date for Registration

05.12.2025

## REGISTRATION FEE

Category of Delegates	Early Bird Registration fee (INR) [05.12.2025]	Late Registration fee (INR) [25-12-2025]
UG/PG Students	750	1250
Research Scholars/Faculty	1000	1500
Industry Delegates	3000	4000
Foreign Delegates	5000	7000

## REGISTRATION DETAILS

REGISTRATION FEE HAS TO BE PAID ONLINE [NEFT/ IMPS]

Bank name	Bank of Baroda
Merchant Name	DSCE FUNCTION AND SEMINAR
A/C Number	74370100017988
MICR Code	560012113
IFSC Code	BARB0VJDASC [Fifth character is zero]
Branch	Dayananda Sagar College
UPI ID	dscs90350@barodampay



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**ORGANIZING SECRETARIES  
ADDRESS FOR COMMUNICATION**

**Dr. Meena S, Asst. Prof., Chemistry, DSCE**

**Contact No: +91-9060985350**

**Dr. Rajani M R, Asst. Prof. Chemical Engg., DSCE**

**Contact No: +91-9449442477**

**Ms. Supreetha K, Asst. Prof., Biotechnology, DSCE**

**Contact No: +91-9916315305**

**Email: [rastsd2026@gmail.com](mailto:rastsd2026@gmail.com)**

