

**INTERNATIONAL CONFERENCE ON
GREEN TECHNOLOGIES FOR SUSTAINABLE
DEVELOPMENT - 2.0 (GTSD - 2.0)**

(1st March 2024)



Organized by

Department of Chemical Engineering

**Center of Excellence on
Green Technologies for Sustainable Development**

Dharmsinh Desai University, Nadiad

(NAAC Accredited: A Grade)

Supported by

Sajjan India Limited



Dharmsinh Desai University

Dharmsinh Desai University (DDU) formerly known as DDIT, founded in 1968 by respected educationist, social worker and the Member of Parliament Late Shri Dharmsinh Desai. It has grown from just a chemical engineering institute into a multi faceted University offering Graduate, Post Graduate and Doctorate programs in various professional branches. DDU has Faculty of Technology, Faculty of Pharmacy, Faculty of Management and Information Sciences, Faculty of Dental Science and Dr. N.D. Desai Faculty of Medical Science & Research. Faculty of Technology comprises of Chemical, Computer, Civil, Mechanical, Instrumentation & Control , Electronics & Communications, Information Technology branches. DDU has been accredited by the National Assessment and Accreditation Council with the grade A for the duration of 2023-2028 under the visionary leadership of Padmashri Dr. H.M.Desai Sir. DDU has interacted with Government and International Academic institutions over the years. It has trained scientists and engineers to provide leadership in academia and industry since five decades. Its students have exhibited a drive for professional excellence throughout their careers. The graduates of this university are highly sought by Indian and International companies.

Chemical Engineering Department (DDU)

Dr. H. M. Desai Department of Chemical Engineering, DDU, Nadiad, stands as a beacon of excellence in the field of chemical engineering education and research since 1968. The Chemical Department of DDU is one of the pioneer department in the field of chemicals and petrochemicals and it has received a grant of more than 10 crores from Department of Industries and Mines as an Anchor Institute of Chemicals and Petrochemicals across a state of Gujarat. The department has run more than 100 number of Chemical Plant Operator courses and has trained the trainers through Anchor Institute. The chemical department has recently received the Best Chemical Engineering Department of Gujarat Award (in December 2023) from Gujarat Chemical Association.

The department has also received substantial grants for cutting-edge research projects such as, nanocatalysis, nanofilter and environment treatability process. The department's commitment to excellence is underscored by its two Centre of Excellence—(i) Shah– Schrulman Center of of Surface Science & Nanotechnology— funded by Government of Gujarat and (ii) Center on Green Technologies for Sustainable Development supported by Sajjan India Limited to promote the concept among industries and academia.

Conference Theme

- **Green Technologies for Chemical and Pharmaceutical Industries**
- **Nanomaterials and Nano-technology**
- **Green Synthesis using Photo-, Bio- & Micellar Catalysis**
- **Waste Recycling & Circular Economy**
- **Green Chemistry & Green Technology**
- **Cleaner Production and Clean Technologies (Case Studies)**
- **Sustainability and Climate Change**
- **Efficient use of Non-renewable Resources**
- **Chemical Process Intensification**
- **Process Modelling and Optimization**
- **Green Hydrogen and Ammonia**
- **Green Solvents**
- **Green Tribology**
- **Inherently Safer Processes and Design**
- **Fault Detection, Diagnosis and Tolerant Control Systems for Safer Operations**
- **Energy Efficient Green Buildings**
- **Solar, Tidal, Geothermal and Wind Energy**
- **Applications of AI and ML on above mentioned Topics**

Plenary Speaker

Prof. (Dr.) Sunil Bhagwat, Director, Indian Institute of Science Education and Research, Pune, Maharashtra, **INDIA**.

Invited Speakers

Dr. Bharat Jain, Member Secretary, Gujarat Cleaner Production Center, Gandhinagar, Gujarat, **INDIA**.

Prof. Kabir Jasuja, Associate Professor, IIT-Gandhinagar, Gujarat, **INDIA**.

Prof. Kinjal Shah, College of Urban Technology, Nanjing Tech University, FUZHOU, Nanjing, **CHINA**.

Organising Committee

Patron: Dr. H. M. Desai, Vice Chancellor, DDU, Nadiad.

Vice Patron: Mr. Ankur Desai, Campus Director, DDU, Nadiad.

Mentors:

- ◆ **Dr. M. S. Rao**, IQAC Director, Professor & Head, Chemical Engineering, DDU, Nadiad.
- ◆ **Dr. Tejal Soni**, Dean, Faculty of Pharmacy, DDU, Nadiad.

Advisory Committee:

- ◆ **Dr. P.A. Joshi**, Ex-Chairman Anchor Institute & Professor, Department of Chemical Engineering, DDU, Nadiad
- ◆ **Dr. B.N. Suhagia**, Ex-Dean, Faculty of Pharmacy, DDU, Nadiad.

CoE-GTSD:

- ◆ **Dr. Vimal G. Gandhi**, Associate Professor & Center Director, GTSD, Department of Chemical Engineering, DDU
- ◆ **Prof. Mihir P. Shah**, Associate Professor & Center Coordinator GTSD, Department of Chemical Engineering, DDU

Organizing Secretaries:

- ◆ **Dr. Anand Tiwari**, Assistant Professor, Department of Chemical Engineering, DDU, Nadiad. (+91 88396 80195)
Email: anandtiwari.ch@ddu.ac.in
- ◆ **Prof. Siddharth Modi**, Assistant Professor, Department of Chemical Engineering, DDU, Nadiad. (+91 99742 00978)
Email: siddharth.modi.ch@ddu.ac.in

About GTSD Center of Excellence

To “Center of Excellence on Green Technologies for Sustainable Development (CoE-GTSD)” is established at Department of Chemical Engineering, DDU, with the Financial support of **Sajjan India Limited** to cater the need of industries in the coming decades. The Center is committed with the vision of – “Creating a future where efficient utilization of all the natural resources into any of the process for sustainable growth of our Nation with the taken care of Environment”.

About GTSD-2.0 Conference

After the grand success of GTSD-1.0 (March-2021), DDU is planning to organise the International Conference on “Green Technologies for Sustainable Development - 2.0” (GTSD-2.0). The global event designed to provide a platform for the deliberations on the Theme: “Sustainable development through green and clean technology for better future business”. The Conference is expected to have the participation of organizations and individuals from a wide variety of sector and countries. The renowned speakers from industry and academia and the panellist will help in making the sessions interactive and encourages a strong level of dialogue and discussion, thus maximising the benefits of participants.

Call for Papers

Researchers, Academicians and Professionals are invited to submit their research work for the technical sessions of GTSD-2.0. The selected papers will be published in the **special issue of Water Energy Nexus (Elsevier)** and **Indian Journal of Science & Technology (IJST)**. The best paper under each category will be awarded with special certificate.

Publishing Partners

- (1) **Water Energy Nexus (Elsevier)**
- (2) **Indian Journal of Science and Technology (WoS)**
- (3) **International Science Community Association Journals (www.isca.in)**

Important Dates and Registration

Submission of Abstract: 15th February, 2024

Intimation of Acceptance: 20th February, 2024

Submission of First Draft Paper: 31st March, 2024

One of the authors must register (with 300 words abstract) for the conference and present the paper in the conference. The national delegates must have to present in offline mode at DDU, whereas the international delegate may have choice to present through online mode. All registrant will be issued E-Certificate of participation. Visit www.gtsddu.org for more information.

For Indian PhD Scholars and Students: 1000 INR

For Indian delegates from Academics: 1200 INR

For Indian Industrial Delegate: 1500 INR

For Foreign Delegates : 20 USD

Bank Details (GTSD-2.0)

Bank Name: HDFC Bank

Account Name:

DDU Anchor Institute

Account Number: 50100096506127

IFSC Code: HDFC0000252

Registration Link

<https://forms.gle/sEaqCY7rK731sDso6>

QR Code (Registration)

