

Registration Details:

1.Faculty/Industry Professionals- INR.300-00

2.Research Scholars INR.200-00

3. Students-INR.100-00

Mode of payment: All the payments can be done through UPI (Phone Pe/GPay/Paytm)

UPI Phone No: 9985046563: UPI ID: 9985046563@ybl

Registration fee includes conference kit, refreshment and lunch on day of seminar.

No T.A./D.A. will be given to the participants.

Registration for author and co-author is separate.

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For more info:

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National Seminar on Sustainability in Focus: Innovations for Greener Tomorrow: A Multidisciplinary Approach

23rd December, 2025

Organized by
DEPARTMENT OF CHEMISTRY



Babu Jagjivan Ram Government College (Autonomous)
Accredited By NAAC with B++ Grade
Vittalwadi,Narayanaguda, Hyderabad-29, Telangana, India.

Sponsored by
Telangana Council of Higher Education (TGCHE)
Hyderabad

About Hyderabad:

Hyderabad, the capital of Telangana, is a major center for education, research, commerce, and technology in India. Renowned for its historical landmarks such as the Charminar and Golconda Fort, the city has also emerged as a hub for the IT, biotechnology, and pharmaceutical industries. With a strong presence of universities, research institutions, and cultural heritage, Hyderabad provides a dynamic environment that bridges tradition with modern development.

About College:

Babu Jagjivan Ram Government Degree College, Narayanaguda, Hyderabad was founded in 1974 by the B.J.R. Educational Society to promote the ideals of Sri Babu Jagjivan Ram, former Deputy Prime Minister of India. Taken over by the Government of Andhra Pradesh in 1989, the college has been affiliated with Osmania University since inception and attained autonomous status in 2024. Relocated to its own campus at Vittalwadi, Narayanaguda, in 2015, the centrally located institution offers convenient access to bus and metro services. Despite limited infrastructure, it has earned a strong reputation through effective resource utilisation, academic excellence, skill development, and community engagement. With visionary leadership and dedicated faculty, the college has emerged as one of Telangana's leading government institutions.

About Department:

The Department of Chemistry, established in 1974, is one of the college's strongest academic units, offering diverse course combinations and a solid foundation in Inorganic, Organic, and Physical Chemistry. With vibrant four faculty members, the department delivers quality undergraduate education while nurturing career opportunities, facilitating placements, and guiding students toward higher studies. The department actively promotes research through seminars, workshops, field visits, and guest lectures. Equipped with modern laboratory and digital classrooms, it has consistently contributed to high-quality education and research, establishing itself as a hub of academic excellence and innovation.

About the National seminar:

Sustainability has emerged as the defining challenge of the 21st century, demanding innovative, multidisciplinary approaches to create a greener future. This seminar aims to bring together academicians, researchers, policymakers, and students to discuss advancements in green chemistry, nanotechnology, eco-friendly materials, regulatory frameworks and environment impacts. The program provides a platform for knowledge exchange, collaborative networking, and exploration of innovative strategies for sustainable development.

Themes and Sub themes:

I: Green Synthesis and Sustainable Chemical Processes

Environmentally friendly chemical processes and catalysts that minimise hazardous reagents and byproducts.

- Principles and Metrics of Green Chemistry
- Solvent-Free and Low-Impact Synthesis
- Energy-Efficient Reaction Pathways
- Waste Minimization and Byproduct Utilization
- Microwave and Ultrasound-Assisted Synthesis

II: Green Materials and Nanotechnology

- Bio-Based Polymers and Composites
- Nanomaterials for Environmental Remediation

- Recyclable and Biodegradable Nanomaterials
- Green Synthesis of Nanoparticles
- Nanotechnology for Energy Storage and Conversion

III: Economic and Commercial Aspects

Market potential, cost-effectiveness, and scalability of green technologies.

- Cost-Benefit Analysis of Green Technologies
- Market Trends for Sustainable Products
- Investment and Funding for Green Innovation
- Supply Chain Sustainability

IV: Environmental Impacts and Governance

Environmental issues and policy frameworks for promoting sustainability.

- Pollution Prevention and Control Strategies
- Regulatory Frameworks for Green and sustainable development
- Climate Change Mitigation through Green Processes

Key Highlights:

- **Expert Talks & Technical Presentations**
- **Interactive Panel Discussions**
- **Networking & Collaboration Opportunities**
- **Certificate of Participation**

Seminar Objectives and Expected Outcomes:

- **Promote Sustainability and Innovation:** Raise awareness of sustainable practices in chemistry and technology, highlighting eco-friendly processes and materials to reduce waste and hazards.
- **Foster Collaboration and Application:** Facilitate knowledge exchange among academia, industry, and policymakers, bridging lab research to scalable green technologies and engaging with regulatory frameworks.
- **Enhance Expertise and Impact:** Equip participants with insights into green chemistry, sustainability metrics, and research directions, fostering collaborative networks and policy recommendations.

Call for Papers

The Department of Chemistry invites academicians, researchers, industry professionals, and students to submit their original research contributions for presentation at the National Seminar on "Sustainability in Focus: Innovations for Greener Tomorrow – A Multidisciplinary Approach (NSSFIGTMA-2025)".

Submission Guidelines:

Abstracts should be 250–300 words, written in Times New Roman, 12 pt, single spacing. The title must be concise and followed by the name(s) of the author(s), affiliation(s), and contact email. ☑ Please indicate the preferred mode of presentation (Oral / Poster).

☑ Online paper/poster presentations also available

Abstracts and Full-length papers should be submitted electronically to chemseminarbjr@gmail.com

☑ All accepted full length papers will be published in the Seminar Proceedings, ISSN & Peer reviewed Journal with additional cost.

Important Dates:

Deadline for abstract submission: 14-12-2025

Deadline for full paper submission: 15-12-2025

Date of Seminar: 23-12-2025