International Conference on CBRNE Related Threat to National Security and Safety- AntiTerrorism Measure for safe environment

(ICCTNSS-2026)

March 12-13, 2026

Department of Chemistry, University of Delhi

In association with

Dyal Singh College, University of Delhi and

National Association for Chemical Security (NACS)

Chief Patron

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NACS President

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Prof. M.Thirumal

Department of Chemistry

Co-Convener

Prof. A.K.Bhagi

Dyal Singh College, Delhi University

About the University

The University of Delhi (DU), established in 1922 is one of India's most prestigious Universities and is recognized as the Institution of Eminence by the Govt. of India. DU is known for its academic excellence, diverse programs, and rich heritage. It comprises 16 faculties, over 80 departments, more than 90 colleges, and caters to over seven lakh students. Guided by the motto 'Nishtha Dhriti Satyam' (Dedication, Steadfastness, Truth), DU is committed to high standards in teaching. Research, and social outreach. With modern infrastructure, vibrant campus life, and a distinguished faculty, DU continues to be a leading institution in Indian higher education.

About the Department

The Department of Chemistry at the University of Delhi is a premier center for chemistry education and research in India. Established in 1922, the department has a distinguished history of academic excellence and innovation. The department actively engages in cutting-edge research across various branches of chemistry, including Inorganic, organic, physical and various interdisciplinary areas. Collaborations with national and international institutions further enhance its academic and research profile. The department Provides an excellent academic environment that is among the best in the country.

About the conference

The **International Conference on CBRNE Related Threat to National Security and Safety: Antiterrorism Measures for a Safe Environment (ICCTNSS-2026)**, to be held on **12–13 March 2026 at the University of Delhi**, brings together national and international experts to address one of the most urgent security challenges of our time. The recent ANFO–TATP IED explosion near the Red Fort on 10 November 2025 had highlighted how easily accessible dual-use common chemicals can be diverted for terrorist activities. Equally concerning is the growing accessibility of biological toxins like ricin, unsecured chemicals across academic and industrial settings, radiological material trafficking, cyber-enabled chemical procurement and insider threats. These developments underscore the need for a coordinated, multi-disciplinary response to the rapidly evolving CBRNE threat landscape.

India's expanding scientific and industrial ecosystem requires robust protective frameworks supported by responsible science, secure laboratory practices, supply chain vigilance, KYC-based verification systems, cyber safeguards, environmental preparedness, and strong inter-agency coordination. As a leading academic institution, the University of Delhi is uniquely positioned to convene diverse stakeholders and foster a forward-looking national roadmap.

This conference aims to strengthen mechanisms that prevent misuse of dual-use chemicals and biological agents, promote collaboration among academia, industry, government and regulatory bodies, and develop actionable guidelines for national preparedness. Expected outcomes include a **National CBRNE Security Framework**, policy recommendations, enhanced coordination systems, and the launch of a **National Academic Network for Chemical and Biological Security**.

Through its sessions, demonstrations and expert engagements, ICCTNSS-2026 seeks to promote a safer, more resilient India capable of confronting emerging CBRNE terrorism threats through knowledge, regulation and collaboration.

About NACS

The National Association for Chemical Security (NACS) is a nationally registered, professionally governed organization dedicated to strengthening Chemical, Biological and Environmental Security across India. Established in 2021, NACS functions as a fully compliant and trusted entity, registered under No. GUJ/22021/Ahmedabad, with NGO Darpan ID GJ/2024/0411987, and recognized under Sections 12A and 80G of the Income Tax Act, alongside CSR Registration No. CSR00095395. Founded by experts associated with CSIR laboratories, NFSU, Gujarat University, Panjab University, IPFT Gurugram and other premier institutions.

ince inception, NACS has actively contributed to major CBRNE security initiatives. It has participated in the INTERPOL Global Congress on Chemical Security and Emerging Threats and collaborated with CRDF Global on Human Reliability and Material Security programmes. NACS has also engaged in multiple workshops led by U.S. national laboratories and CRDF Global as subject matter experts. Domestically, NACS partnered in the Indo-US Workshop on Chemical Supply Chain Security at CSIR-NEIST, Jorhat (2022); developed a Seven-Module Curriculum on Safety, Security and Sustainability released at the 2023 International Conference on Chemical Safety; collaborated with the University of Ladakh (2024); and conducted a two-day Symposium with IPFT Gurugram and a three-month Certificate Course on Chemical Safety and Security (2025).

NACS continues to provide expertise across academic and industrial platforms, including GCPC, PDEU, CSMCRI, Mizoram University and ISAS. It is presently preparing a comprehensive guidebook on sustainable degradable and non-degradable waste management for academic institutions.

Conference Sub-Themes

1. Dual-Use Chemicals, Fertilizers & Secure Supply Chains Focus on strengthening regulatory oversight, end-use verification, licensing, storage security, and supply-chain monitoring to prevent diversion of industrial and agricultural chemicals for terrorist misuse.

2. Responsible Science, KYC/KYR & Technology Trust
Promoting ethical collaboration, secure partnerships and KYC/KYR systems in academia and industry to prevent exploitation of scientific exchange, technology transfer and research collaborations.

3. Human Reliability, Insider Threats & Personnel Vetting
Understanding behavioural vulnerabilities in laboratories, industries and transport systems; developing robust vetting, monitoring and prevention frameworks essential for CBRNE security.
4. Transport, Fire & Critical Infrastructure Protection
Ensuring secure movement of hazardous materials across ports, airports, highways and rail networks while integrating fire safety, emergency response and SCADA/industrial automation security.
5. Explosives, ANFO/TATP Lessons & Counter-IED Preparedness
Addressing regulatory gaps, precursor controls, and operational insights from explosive-response experts; strengthening detection, neutralisation and safety systems against evolving explosive threats.
6. Cyber Threats, Online Chemical Marketplaces & AI Security Tools
Mitigating digital risks including darknet precursor procurement, hacking of industrial control systems and algorithmic misuse; leveraging AI for surveillance, threat modelling and anomaly detection.
7. National Disaster Response, Relief & Emergency Coordination
Frameworks for multi-agency response, crisis communication, mass-casualty management, and capacity-building for rapid, coordinated CBRNE emergency operations.
8. Environmental Governance & Hazardous Waste Regulation
Role of environmental agencies in hazardous waste management, pollution monitoring and resilience planning to mitigate accidental or deliberate chemical releases impacting communities and ecosystems.
9. Environmental, Oceanic & Geological Security (MoES)
Assessing CBRNE impacts on ecosystems, water bodies and marine environments, along with vulnerabilities in coastal operations and risks intensified by natural disasters affecting hazardous facilities.
10. Integrated CBRN Security, CWC Compliance & National Policy
A unified approach to chemical, biological, radiological and nuclear risk mitigation through detection technologies, biosurveillance, regulatory enforcement, CWC compliance and long-term national policy development.

Registration

Faculty	4000 +18% GST
Post doctoral fellows	2000 +18% GST
Ph.D students	2000 + 18% GST
Masters students	1500+ 18% GST
Undergraduate students	1000 +18% GST
Industrial delegates	10000 + 18% GST
Foreign faculty	300 USD including GST
Foreign students	150 USD including GST

Important Dates:
Registration opens: January 01,2026
Registration closes: January 31,2026
Abstract submission starts: January 01,2026
Abstract submission closes: January 31,2026