Catalyst & Solvent Strategies

10 Jul 2026 - 10 Jul 2026

CONFERENCE PROGRAMME

Friday, 10th July 2026

08:00	**Tentative Programme**
09:00	**Inaugural Session**
09:30	**Plenary Session: India's Reaction Engineering Future: Efficiency, Sustainability & Scale** Why solvent and catalyst selection are the biggest levers for industrial competitiveness. The shift toward green chemistry, biocatalysis, and low-carbon processes. India's opportunity to lead in sustainable reaction engineering
10:00	**Session 1- Advanced Solvent Selection for Industrial Chemistry** **Theme**: Critical Issues in Solvent Choice: Mechanistic & Practical Perspectives
10:45	**Networking Tea Break**
11:15	**Session 2- Green & Alternative Solvents for Sustainable Manufacturing** Theme: Replacing Traditional Solvents Without Compromising Yield
12:00	**Session 3- Solvent Recovery & Recycling: Engineering Solvent Systems for Maximum Reuse** **Theme**: Engineering Solvent Systems for Maximum Reuse
12:45	**Lunch & Networking**
13:45	**Session 4- Catalyst Selection: Homogeneous, Heterogeneous & Biocatalysts** **Theme**: Choosing the Right Catalyst for Industrial Feasibility
14:30	**Session 5- Biocatalysis for Modern Industrial Chemistry** **Theme**: The Fastest-Growing Catalyst Platform in India
15:15	**Tea Break**

15:30	**Session 6- Catalyst Stability, Reusability & Deactivation Control** **Theme**: Maximizing Catalyst Lifetime to Improve Profitability
16:15	**Session 7- Solvent–Catalyst Synergy for High Efficiency Reactions** Theme: Designing the Ideal Reaction Environment
17:00	**Panel Discussion: “Catalyst and Solvent Technologies Shaping the Future of Manufacturing”** • Which catalyst and solvent technologies will define the next decade of manufacturing • Emerging trends: biocatalysis, green solvents, DES, ILs, supported catalysts • How India can leapfrog by adopting next-gen reaction technologies early • Why biocatalysis is becoming essential for chiral molecules and green routes • Overcoming challenges: residual protein, enzyme stability, solvent tolerance • The role of catalyst selection kits and high-throughput enzyme screening • How Indian pharma can accelerate biocatalytic route adoption
17:30	**Closing Remarks & Vote of Thanks**
17:40	**Presentation of Academic Innovations through Digital Posters** Digital Poster Presentations on Catalysis, Biocatalysis, Green solvents, Reaction engineering and Process intensification
18:30	**Networking Dinner**