

International Conference on Chemicals and Petrochemicals

Sustainable Transitions through Green Technologies and Digitalization

24 May 2023, Hyatt Regency, New Delhi, India

Tentative Programme Outline

<p>1000-1100 Hrs (IST)</p>	<p>Inaugural Session</p> <p>The G20 countries are capable of transforming the Chemical Industry into a more sustainable and environment-friendly industry. As the industries in G20 members are instrumental in developing sustainable technologies, there is ample scope for mutual cooperation in this field. This conference is an endeavor to promote green chemistry by focusing on optimal processes, which are safe, consume renewable resources and are environmentally plausible.</p> <p>Focusing on the Hon'ble Prime Minister's vision of achieving the goal of reaching Net-Zero Emissions by 2070, this conference will deliberate and facilitate cooperation amongst nations to promote sustainable manufacturing at bilateral and multilateral levels.</p>
<p>1100-1130 Hrs (IST)</p>	<p>Networking Tea</p>
<p>1130-1230 Hrs (IST)</p>	<p>Plenary Session on Sustainability in the Chemicals Industry</p> <p>Chemical Industry is one of the most important growth driving force for the economies because it provides key raw materials to a wide range of allied sectors like agriculture, construction, plastics, dyes, paints, surfactants, pharmaceuticals, fertilizers, automobiles etc. Despite being complex in nature, the Chemical and Petrochemical Industry plays pivotal role in global supply chain networks.</p> <p>This session focuses on major themes of sustainability such as Prevention of waste, Increase energy efficiency, Use renewable feedstocks, etc. The panel will discuss the way forward for attaining a sustainable future with special emphasis on decarbonization in the chemical sector to attain Net-Zero Emission. The session will also identify the challenges in attaining sustainability in the Chemical Industry, funding challenges being experienced by industry during the transition to sustainability and ways to overcome those challenges.</p>
<p>1230-1330 Hrs (IST)</p>	<p>Plenary Session on Pathways to Achieve Net Zero / Sustainability in Chemical Industry</p> <p>G20 members are required to take proactive sustainable chemistry approach for effective management of risk involved in handling of chemicals, chemical processes etc., with a view to enhance life-cycle thinking.</p> <p>This session will give emphasis on using the renewable resources, decreasing consumption of non-renewable resources to achieve higher efficiency and minimize the impact of chemicals on environment. The session will also highlight the new technologies enabling the Chemical Industry to achieve Net-Zero Emission by optimally utilizing the resources available. Sustainable innovations like renewable feedstocks, hydrogen economy and circular economy, etc., will be discussed at large in details.</p>
<p>1330-1430 Hrs (IST)</p>	<p>Lunch</p>

<p>1430-1530 Hrs (IST)</p>	<p>Plenary Session on R&D, Technology and Digital Transformation in the Chemicals Industry</p> <p>R&D, Technology and Digitalization are the key to sustainable clean energy and sustainable industrial & economic development, which play a pivotal role in achieving carbon neutrality targets. There is a need for cross-border collaboration to facilitate transition towards sustainable chemistry for futuristic development.</p> <p>From R&D to customer interface, digital technology has become an integral part of the value chains. As the global industry emerges from the after-effects of the COVID-19 pandemic, Chemical Industry needs to digitalize its operations.</p> <p>To achieve carbon neutrality and clean energy transition, this session will focus on the role of R&D for future growth of Chemical Industry, assess the state of research, identify challenges for increasing sustainability in chemical sciences and identify opportunities for expanded activity.</p>
<p>1530-1630 Hrs (IST)</p>	<p>Plenary Session on Inclusive & Adaptive Skill for Sustainable Ecosystem</p> <p>Global industry and business leaders will focus in identifying “skills” as a pre-requisite to address the challenges associated with sustainability and efficiency. The present thrust of technological and digital revolution has further intensified the importance of skilling and up-skilling for attaining global competitiveness. It is important to facilitate a discussion on the “Future of Skilling” in the Chemical Industry to ensure competitiveness.</p> <p>Keeping in view the significance of skilling requirements of the industry, the session will emphasize the needs of skilling with a vision of a Sustainable future and Net-Zero Emission for the Chemical Industry.</p>