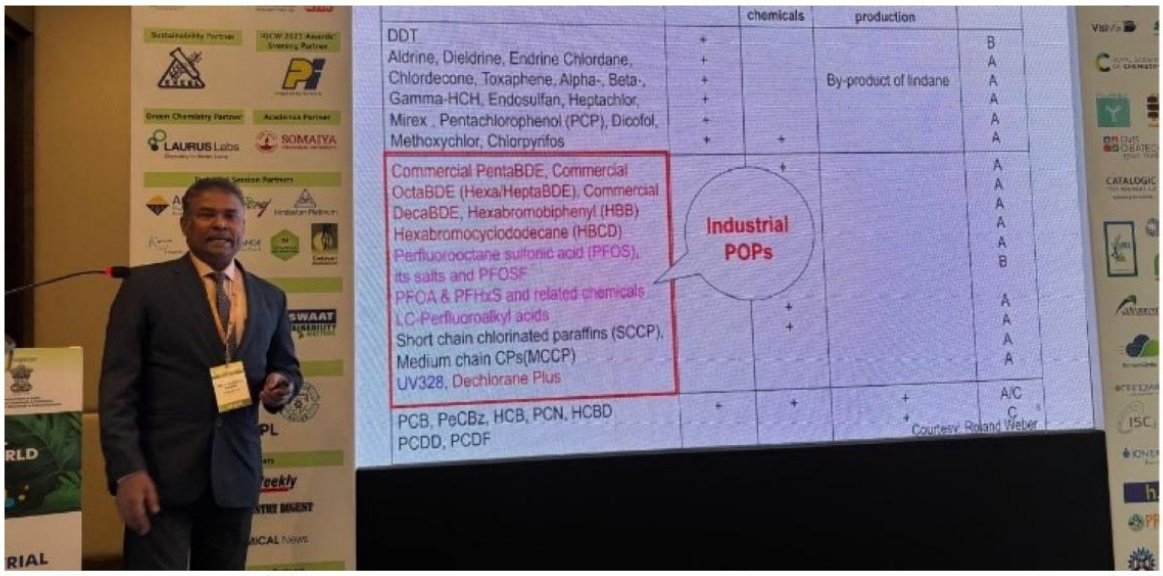Dr. A. Ramesh Kumar, Principal Scientist, delivered an invited talk on “Phasing Out POPs and Other Chemicals of Concern from Production and Use – Towards Green and Sustainable Chemistry” at the 8th Industrial Green Chemistry World Convention (IGCW 2025), organized by the Green Chemistree Foundation, Mumbai. Dr. Kumar emphasized the importance of hazard reduction through substitution with safer chemicals as the primary strategy, rather than relying solely on exposure control. He highlighted that POPs and other chemicals of concern in consumer products should be addressed through pollution prevention at the source by adopting less toxic alternatives, supported by policy and regulatory measures. He also discussed emerging policy frameworks such as the “essential use” approach for managing chemicals of concern and stressed the need for a comprehensive chemical management framework in India, similar to EU REACH, to ensure the safe use of chemicals and a world free from chemical-related harm.