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**Theme Meeting on:** Innovations and Entrepreneurship Conclave for Young India

**Title of the talk:** Indian Fine Chemicals Industry: Plethora of Opportunities

by

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**Abstract:** The Indian Fine & Specialty Chemicals Industry is poised for spectacular growth in the coming years. With China no longer an attractive investment option due to the clampdown on chemical manufacturing, global pharmaceutical and chemical majors are increasingly setting up operations or expanding their manufacturing capabilities in India. This shift is driven by India's large pool of scientific talent, lower production costs, and strong government support.

Additionally, initiatives such as the Government of India's **Make in India, Atmanirbhar Bharat, Startup India,** and **production-linked incentives** have fuelled an unprecedented transformation in the sector. These policies encourage domestic SMEs and new-age entrepreneurs to meet the growing demand from end-user industries (including pharmaceuticals), capitalize on outsourcing opportunities from the West, and develop import-substitute products—thereby reducing reliance on exports.

Since its inception in 2013, **ADVENT CHEMBIO PRIVATE LIMITED** has been at the forefront of realizing the **Atmanirbhar Bharat** vision by pioneering innovative products and chemistries. The company has been on a continuous growth trajectory, marked by key milestones such as commissioning a one-of-a-kind, **FDA-approved, cGMP-compliant, state-of-the-art pharmacopeial solvent manufacturing plant** at Navi Mumbai in 2020. This was further strengthened by the opening of new **R&D and pilot facilities** in 2023 to support emerging export opportunities and cater to the ever-increasing domestic demand.

Our **NABL-accredited quality control lab** and **GLP certification** reinforce our commitment to delivering products of the highest purity and quality. Looking ahead, a **new advanced manufacturing facility** in the heart of Navi Mumbai's industrial hub—set to be operational by December 2025—will **triple our production capabilities**. Additionally, our upcoming **ISO 17034 certification** as a **Reference Material Producer** will propel us to take a giant leap in this segment.

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**Dr. Rashmi Ranjan Mohanty**

**Education:** M.Sc. (1989, Specialization in Organic Chemistry); M.Phil. (1991); Ph.D. (1992-95, in Heterocyclic chemistry) in PG Department of Chemistry, Utkal University, Vani Vihar under Prof. Satyaban Jena (awarded degree in 1999).

**Publications:** 12 publications including 3 during Post-doc period (in journals like Adv. Synth. Catalysis, Org. Lett. & Eur. J. Org. Chem. Along with a European Patent on Asymmetric Synthesis of Chiral amines)

**Professional Experience:**

- Taught at Aeronautics College, Sunabeda, Odisha\_\_1994-1997
- Taught Advanced Chemistry to Chemical Engg students at Thadomal Shahani Engg College, Mumbai\_\_\_\_\_1997-2004
- Post-doctoral research at IUB (International University Bremen, now called Jacobs University Bremen), Germany with Prof. Thomas Nugent\_\_\_\_\_2004-2006 on Asymmetric Synthesis of Chiral Amines
- Joined Ranbaxy Fine Chemicals Limited (later known as RFCL Limited) as a **Manager-R & D** in March 2006, worked till December 2012; worked on new products & process development, improvement of existing processes; **Head-QA, QC & R & D** in 2009 leading a team of scientists in Neosynth Division for development of Custom Synthesis products for discovery research in Pharma Industry; promoted to **General Manager-Research Chemistry in 2011** and left the job in December 2012.
- **Co-founder and Director-Technical** at ADVENT CHEMBIO PVT Limited since 01.01.2013. Driving Quality, Research & Innovation at ADVENT, he is also strategizing the new product launch and aspires to make ADVENT a global leader in the Fine & Specialty Chemicals segment.

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