



## Department of Chemical Engineering Indian Institute of Technology Hyderabad

### Industry Lectures

The Department of Chemical Engineering is pleased to invite you to the Industry Lecture Series of the January -2024 semester. The seminar is open to all and is mandatory for first year M. Tech students of Chemical Engineering.

**Title : The Past and Future of Soap Bars**

**Speaker : Janhavi Raut, R&D Director,**

**Affiliation : Unilever (R&D, Bangalore)**

**Venue : A-118**

**Date & Time : 20-03-2024, 4:00 PM**

#### **Abstract:**

Soap is one of the oldest processed products. ‘Soap and Water and Common Sense are the best disinfectants’ - In the past 2 years COVID has more than validated this quote by Willian Osler. Soaps have been one of the key weapons in our arsenal to fight against diseases. Unilever makes more than 10 billion bars of soap per year. A soap bar truly embodies the complexity and beauty of multiphase soft solids. My talk will touch upon two aspects of soap bars –

A brief history of Soaps that spans an interesting journey starting with its first mention on Sumerian tablets from ~2500 BC and advances through the years aided by various technological breakthroughs that facilitated the manufacture of modern-day soaps.

- The future of soap bars – why is there a need today to change what we have been doing for 100s of year. What are the challenges in executing these changes from a formulation and processing viewpoint and why we still need bright students like you to ponder over soap.

### **About The Speaker:**

Janhavi Raut is a R&D Director at Unilever R&D Bangalore. She did her B. Tech in Chemical Engineering at IIT-Bombay (1993) and MS & PhD in Chemical Engineering from the Pennsylvania State University, USA (1998). She has been in Unilever for the past 25 years working on various aspect of Chemical Engineering & Materials Research. She has delivered a wide range of product innovations in this span with ~ 50 international patent grants. She has more than 30 publications. Janhavi has been a visiting Professor at MIT-Manipal and IIT-Bombay. She was elected fellow of the Indian National Academy of Engineers (INAE) in 2020.

Thanks & Regards,

Anand Mohan, Course Instructor (CH50006)