

Prof. Ashwini Sood

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□ Profile Summary

Prof. Ashwini Sood is an accomplished academician and researcher with over **29 years of experience in Chemical Engineering**. His specialization lies in **Chemical Reaction Engineering, Emulsion Polymerization Processes and Reactors, and Rheology of Dispersions**.

He holds a **B.Tech. from IIT Kanpur (1988)**, **M.S. from Lehigh University, USA (1991)**, and **Ph.D. from U.P. Technical University, Lucknow (2006)**. Prof. Sood has made significant contributions to **polymerization process modeling and industrial applications in paints, adhesives, and sustainable chemical processes**.

□ Academic Qualifications

Degree	Discipline	Institution	Year
Ph.D.	Chemical Engineering	U.P. Technical University, Lucknow	2006
M.S.	Chemical Engineering	Lehigh University, USA	1991
B.Tech.	Chemical Engineering	IIT Kanpur	1988

□ Awards & Recognitions

- **Marquis Who's Who in Science and Engineering** (2007, 2011–12, 2016–17)
- **Bharat Jyoti Award** (2017)
- **The Best Citizens of India Award** (2017)
- **Bharat Vikas Award** (2017)
- **IChE NRC Award – 3rd Best Paper** (*Indian Chemical Engineer*, 2017)
- **Lifetime Achievement Awards** (2018, 2019)
- **Wall of Fame Certificate for Recognition** (2019)
- **Chemical Weekly Award – Best Paper** (*Indian Chemical Engineer*, 2020)
- **IChE NRC Award – Best Paper** (*Indian Chemical Engineer*, 2020)
- **Kuloor Memorial Award – Best Paper** (*Indian Chemical Engineer*, 2020)
- **Bharat Gaurav Puruskar** (2024)
- **VIRA Award of Excellence in Chemical Engineering** (2024)
- **Outstanding Researcher Award** (2025)

□ Research Interests

- Chemical Reaction Engineering
- Emulsion Polymerization Process Modeling
- Rheology of Dispersions
- Multiphase Systems
- Reaction Kinetics and Reactor Design

□ Research Contributions

- **35 research papers** in reputed national and international journals
- **28 oral and poster presentations** at conferences
- **Reviewer for 17 international journals**
- **Editorial Board Member** for several academic journals
- **Session Chair** at international conferences
- **Consultant to Bajrang Petrochemicals Limited**

□ Student Supervision

- **Ph.D. Theses Supervised:** 1 (currently guiding 1)
- **M.Tech. Theses Supervised:** 22
- **Undergraduate Teaching:** Over **2,500 students** taught

□ Professional Affiliations

- **Fellow**, Institution of Engineers (India)
- **Member**, Indian Institute of Chemical Engineers (IChE)
- **Active Contributor** in national and international academic forums

□ Notable Contributions

Prof. Sood's research in **polymerization process modeling** has led to advanced studies on **particle size distribution, reaction kinetics, coagulation effects, and bimodal multiphase systems**. His work finds industrial application in **paints, emulsion adhesives**, and green and sustainable processes..
