



AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय
Accredited by NAAC with "A+" Grade



Department of Chemical Engineering

Faculty Profile

Dr. Shailesh Ravi Varade

B.Tech, M.Tech, PhD (Chemical Engineering)

Assistant Professor

✉ srvarade@aiissmscoe.com

shaileshvarade@gmail.com

☎ 7058015735; Extn: 1214



[Shailesh Varade - Google Scholar](#)



<https://www.linkedin.com/in/shailesh-varade>



Research Areas / Areas of Interest

Colloid and Interface Science, Complex fluids, Rheology, Foams, Emulsions, Microgravity, Nanotechnology

Personal Details

Date of Birth : 7th July

Domicile: Maharashtra

Gender : Male

Blood Group: B+ve

Contact Details: Permanent: 39, Siddhartha Society, Takali Sim, Hingna Road, Nagpur - 440036

Current: B - 203, Pragati Palace, Sector 29, Ravet, Gurdwara Road, Pune - 412101

Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph.D.	Chemical Engineering	Indian Institute of Technology Guwahati	--	July 2020
2	M.Tech	Chemical Engineering (Material Science & Technology)	Indian Institute of Technology Rourkela	I st	July 2014
3	B.E.	Chemical Technology	Rashtrasant Tikadoji Maharaj Nagpur University	I st	July 2007

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	00	00
2	Research	03	03
3	Industry	03	00
4.	Others (Industry sponsored PhD research work)	00	00
Total		06	03

Subjects / Courses Taught

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	00	4	00	4	00
Conferences	00	00	00	00	--
S. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught	
1					
2					

Research Publications

Publication Details (Journals)

Sr. No	Document Details	Authors	Year	Source Details	ISBN/ ISSN	Publisher
1.	Foaming in micellar solutions: Effects of surfactant, salt, and oil concentrations	Manas Ranjan Behera, Shailesh Ravi Varade, Pallab Ghosh, Pintu Paul, Ajay Singh Negi	2014	Industrial & Engineering Chemistry Research	0888-5885	American Chemical Society
2.	Foaming in aqueous solutions of zwitterionic surfactant in presence of monovalent salts: The specific ion effect	Shailesh Ravi Varade, Pallab Ghosh	2019	Chemical Engineering Communications	0098-6445	Taylor & Francis

3.	Foaming in aqueous solutions of mixtures of a zwitterionic and a cationic surfactant in presence of an electrolyte	Shailesh Ravi Varade, Pallab Ghosh	2020	Journal of Dispersion Science and Technology	0193-2691	Taylor & Francis
4.	Foaming in aqueous solutions of zwitterionic surfactant: Effects of oil and salts	Shailesh Ravi Varade, Pallab Ghosh	2017	Journal of Dispersion Science and Technology	0193-2691	Taylor & Francis

Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organised By
1.						
2.						
3.						
4.						

PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	-	00	00

Professional Memberships

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)	Membership No.

Patents / IPR Filed / Granted

S. No	Investigator Details	Title	Year	Status (Filed/Granted)	Details

1.	Deeleep Kumar Rout, Neeraj Kumar Patel, Shailesh Ravi Varade	A nano emulsion composition for Skin care application	2022	Published	Embodiments of a present invention relates to emulsion composition, more particularly it relates to a nano- emulsion composition for skin care application.
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Books Published

S. No	Title	Name of the Publisher	ISBN/ISSN Number
1	Ion Specific Effect in Stability of Foams and Emulsions.	Saarbrucken: Lambert Academic Publishing	ISBN: 978-3659579851

Research Grants Received

S. No	Program	Duration	Funding Agency	Grant Amount (INR)
1.	Postdoctoral research grant awarded by CNES for studying the FOAM Coarsening experiment at International Space Station	2 years	CNES	Rs. 622300
2.				

Details of Workshop / STTP / FDP / Seminar / Conferences Organized

S. No	Title	Type	Duration	Level (State/National/ International)	Sponsoring Agency
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Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level(National/Int/ State/Regional)	Date

Details of Workshop / STTP / FDP / Conferences Attended

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
1	New Era of Bioengineering: Innovations and Applications	Online	5 days	MIT-WPU	Self
2	Investigating the Settling of Beads and Rising Bubbles in Viscoelastic Fluid	International	4.5 days	European Colloid and Interface Science	CNES
3	Investigating the Surfactant Role in Coalescence of O/W Emulsion	International	4.5 days	European Colloid and Interface Science	CNES
4	Studying the Coarsening of Wet Foams in Microgravity at International Space Station	International	3.5 days	Journees CNES Jeunes Chercheurs (JC2)	CNES
5	Workshop on NEMS/MEMS and Theranostic Devices. NWNTD - 2018	National	2 days	Indian Institute of Technology Guwahati	Self
6	Foaming in aqueous solutions of zwitterionic surfactant in presence of monovalent salts	International	4 days	Asian Society for Colloid and Interface Science	IIT Guwahati

Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
1.	

Awards Received

S. No.	Awards	Year
1		
2		
3		

Declaration: I hereby declare that all the statement made above are correct to the best of my knowledge and belief.



Dr. Shailesh Varade
(Name with Signature)