AISSMS
COLLEGE OF ENGINEERING
ज्ञानम् सकलजनहिताय
Accredited by NAAC with "A+" Grade

Department of Chemical Engineering

Faculty Profile



Ms Kanchan N Bawankar
ME (Chemical Engineering)
Assistant Professor
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https://scholar.google.com/citations?user=C6-YLmIAAAAJ&hl=en
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Research Areas/ Areas of Interest

Wastewater Treatment, Sugar manufacturing

Personal Details

Date of Birth :	12 / 02 / 1982	**Domicile :**	Maharashtra
Gender :	Female	**Blood Group:**	B+ve

Contact Details: Department of Chemical Engineering, All India Shri Shivaji Memorial Society's College of Engineering, Pune-411001

Academic Background

S. N0.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	M.E.	Chemical Engg.	Pune	Ist	2008
2	B. Tech.	Chemical Tech.	Nagpur	Ist	2003

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	18	-
2	Research	-	_
3	Industry	_	_
4.	Others	--	--
Total		**18**	**-**

Subjects/Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	Heat Transfer	UG	SE (Chemical)	1
2	Mass Transfer-I	UG	TE (Chemical)	14
3	Chemical Reaction Engg-I	UG	TE (Chemical)	4
4	Mechanical Operations	UG	SE (Chemical)	7
5	Environmental Engg.	UG	BE (Chemical)	3
6	Advanced Reaction Engineering	PG	ME (Chemical)	4

7.	Research Methodology	PG	ME (Chemical)	4

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	_	03	_	_	_
Conferences	08	_	_	_	--

Publication Details (Journals)

S. No	Document Details	Authors	Year	Source Details	ISBN/ ISSN	Publisher
1	Degradation of rhodamine dye using a modified flow photocatalytic reactor in the presence of external oxidants	Dr A V Mohod, Mrs K N Bawankar, Dr MY Naniwadekar	2025	Canadian Journal of Chemical Engineering	1939-019X	
2	Combined removal of Rh B and Rh 6G from wastewater using novel treatment approaches based on ultrasonic and ultraviolet irradiations	Shruti Hinge, Manas Orpe, Kapil Sathe, Gaurav Tikhe, **Kanchan N Bawankar**, Ashish V Mohod, Parag R Gogate	2016	Desalination and water treatment, 57(2016)1-13,issue-50		

3	Degradation of magenta dye using different approaches based on ultrasonic and ultraviolet irradiations: Comparison of effectiveness and effect	Yogesh S Karanjkar, Raveena M Dinde, Nikita M Dinde, **Kanchan**	2015	Ultra. Sono.,27 (2015)117 - 124	ISSN 1350-4177	Elsevier
	of additives for intensification	**NBawankar**, Shruti P Hinge, Ashish V Mohod, Parag R Gogate				
4	Removal of patent blue V dye using air bubble-induced oxidation based on small glass balls:Intensification studies	Deepika D Mahale, Nilesh N Patil, Diksha S Zodge, Priyanka D Gaikwad, Bernali Banerjee, **Kanchan N Bawankar**, Ashish V Mohod, Parag R Gogate	2015	Desalination and water treatment, 57(2016)1-13		

Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organised by
1.	Intensified degradation of dye using ultrasound	Shital Bangadkar, ManishaKhedekar, **Kanchan**	2015	SCHEMCON		MAE, Alandi,Pune
	and ultraviolet irradiation	**Bawankar**,Ashish Mohod,				
2	Intensified synthesis of medium chain triglycerides using advanced techniques	Shahbaz Shaikh, Akash Thute, Nileema Bokhale, Pratiksha Gadekar **Kanchan Bawankar**, Ashish Mohod,	2015	SCHEMCON		MAE, Alandi,Pune
3	Removal of Rhodamine 6G from Wastewater Using Solar Irradiations in the Presence of Different Additives,	Saurabh Patil, Kiran Shinde, Macarenhas Delton, **Kanchan Bawankar**,Ashish Mohod	2015	SCHEMCON		MAE, Alandi,Pune
4	Sonocatalytic and Sonophotocatalytic Degradation of Rh 6G Containing Wastewater,	Merlin Velloore, Mayuri Dhuri, **Kanchan Bawankar**, Ashish Mohod	2015	SCHEMCON		MAE, Alandi,Pune

5	Treatment of mixture of two textile dyes i.e. Rhodamine B and Rhodamine 6G using AOPs	Kapil Sathe, Manas Orpe**,** **Kanchan Bwankar**, Ashish Mohod,	2014	FTWM-		AISSMS COE, Pune
6	Removal of Rhodamine B and Rhodamine 6G from the mixture	Diksha Zodge, Priyanka Gaikwad, Ritu Kale, **Kanchan**	2014	SCHEMCON		IOT, Haldia
	using Ultrasonic Irradiation,),	**Bawankar**, Mohod,				
7	Removal of dyes from the mixture using ultraviolet irradiation,	Gaurav Tikhe, Nikita Dinde, **Kanchan Bawankar**, Ashish Mohod	2014	SCHEMCON		IOT, Haldia
8	Treatment of mixture of two textile dyes i.e. Rhodamine B and Rhodamine 6G using AOPs	Kapil Sathe, Manas Orpe, **Kanchan Bwankar,** Ashish Mohod	2014	SCHEMCON		IOT, Haldia

PhD / ME / BE Student Guided for Project

Level	**Ph.D.**	**M.E. (PG)**	**B.E. (UG)**
No. of Student guided	**-**	_	35

Professional Memberships

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

IIChE,Kolkata, India	National	Life	LM 51546

Patents/IPR Filed/Granted

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

Books Published

S. No	Title	Name of the Publisher	ISBN/ISSN Number
	–	–	–

Research Grants Received

S. No	Program	Duration	Funding Agency	Grant Amount
1.	–	–	–	–

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

S. No	Title	Type	Duration	Level (State/National/ International)	Sponsoring Agency
1	Empowering Engineers: Navigating Life After College with Confidence	Online workshop	2.5hrs	National	
2	Scope of Piping Engineering in Oil and Gas Sector	Webinar	1hr	National	-
3	Interview Preparation	Webinar	1hr	National	
4	Advanced Tools Utilization in Plant Design Engg.	Webinar	1hr	National	–
5	Yoga Techniques for Healthy Mind and Body	Webinar	1hr	International	–
6	Piping Engineering in Oil and Gas Industry	Webinar	1hr	International	–
7	Safety Devices for Process Equipment	Webinar	1hr	International	–
8	Refinery Overview	Webinar	1hr	National	–
	Institutional Training	Workshop	1day	National	PCRA,

	Programme				Ministry of and Natural Gas , Government of India

Contribution as Resource Person

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

Details of Worshop/STTP/FDP/Conferences Attended

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
1	*FDP on Smart Devices and Energy Storage*	Online	1 week	Department of Chemical Engineering, Heritage Institute of Technology, Kolkata	
2	*FDP on Sustainable Processes for Green Hydrogen Production*	Online	1 week	Department of Chemical Engineering,MMMUT, Gorakhpur	
3	*FDP on Energy Transition: Pathways to Net-Zero Emission (ETPNE-2025)"*	Online	1 week	Department of Chemical Engineering, Heritage Institute of Technology, Kolkata	

	FDP on Universal Human Values — Curriculum Delivery and Evaluation"	Online	1 day	Indira College of Engineering & Management, in association with Savitribai Phule Pune University	
4	FDP on Recent Trends in Green Technology and Materials	Online	1 week	SCOE, Pune	
5	FDP on Software Based Case Studies For Developme Multi-Disciplinary Projects	Offline	5 days	AISSMS COE, Pune	
6	Event Management	Online FDP	Dec 7-Dec 11,2020	North-EasternHill University, Shillong	ATAL Academy
7	Online Teaching	Online Course	July-Sept 2020	IUCEE Team ofFaculty	_
8	W2 :Evolving and aligning teaching learning process for implementing engineering curriculum	Webinar	July 9,2020	NITTR, Bhopal	_
9	Assessement of Cos- POs-PSOs	Webinar	July 21,2020	NITTR, Bhopal	_
10	Vision-Mission-PEO-PSO-PO-CO: Framing, Mapping, Assessment and Attainment	FDP	June 10-15, 2019	AISSMS College of Engg, Pune	ISTE

11	Advanced Teaching Tools, Techniques and Methodologies for Outcome Based Education	Online FDP	June1- 5, 2020	AISSMSCOE, Pune	_
12	Sustainable Development through Green Technology	Workshop	April 28-29,2019	Bharati Vidyapeeth College of Engg. Pune	_
13	Rubber Technology	Workshop	Jan 7-8,2016	Department of Polymer Engg., MIT, Kothrud, Pune	_
14	Frontier Technologies in Waste Management	National Conference	Jan 15-17,2014	AISSMS COE, Pune	_
15	10th Annual SessionStudents Chemical EngineeringCongress SCHEMCON 2014	Conference	Sept19-20,2014	Haldia Institute of Technology, Haldia, WB	_
16	Computational Fluid Dynamics	Workshop	March 22,1013	AISSMS COE, Pune	_
17	Faculty Development Programme	FDP	June 10-12 ,2013	AISSMS COE, Pune	_

18	Institutional Training Programme	Workshop	Oct 4,2012	PCRA, Ministry of Petroleum and Natural Gas, Government of India	PCRA Conservati
19	Chemical Engineering Laboratory	Workshop Cum Training Course	Sept 28-Oct 2,2011	ICT, Mumbai	_

Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
1	Dept Exam Co-ordinator
2	GFM
3	Student Activities Coordinator
4	IIChE Students' Chapter Co-ordinator

Awards Received

S. No.	Awards
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Declaration: I hereby declare that all the statement made above are correct to the bestof my knowledge and belief.

Ms Kanchan N Bawankar