



Department of Chemical Engineering

Faculty Profile

Prof. (Dr.) K. R. Jethani

Ph.D. (Chemical Engineering)

Professor

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🔗 <https://scholar.google.com/citations?user=sjl4bxUAAAAJ&hl=en>

🔗 <https://www.linkedin.com/feed/>



Research Areas / Areas of Interest

NOx absorption, Waste water treatment

Personal Details

Date of Birth : 10 / 06 / 1955

Domicile: Maharashtra

Gender : Male

Blood Group: B+ve

Contact Details: D2-8 Ratan Park Phase 2,
S. No. 127/5 Sus Road
Pashan, Pune – 411021

Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph. D.	Chemical Engineering	Oklahoma State University, USA	3.4/4.0	1985
2	M. Chem. Engg.	Chemical Engineering	Mumbai	64.4 (Distinction)	1980
3	B. Tech.	Chemical Engineering	Nagpur	70.3% (Merit Rank 3)	1978

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	6	9
2	Research	4	5
3	Industry	24	2
Total		35	4

Subjects / Courses Taught

S. No.	Subject	UG/ PG	Class (FE/SE/TE/ BE/ME)	No of times Subject Taught
1.	Process Calculations	UG	SE	6
2.	Introduction to Chemical Engineering	UG	SE	5
3.	Chemical Reaction Engineering – I	UG	TE	7
4.	Chemical Engineering Thermodynamics – I	UG	SE	3
5.	Chemical Engineering Thermodynamics – II	UG	TE	4
6.	Process Modeling and Simulation	PG	ME	3
7.	Advanced Reaction Engineering	PG	ME	2

8.	Process Modeling and Simulation	UG	BE	1
9.	Petroleum Refining	UG	BE	1
10.	Petrochemical Engineering	UG	BE	1

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	3	5	-	7	-
Conferences	8	4	-	4	-

Publication Details (Journals)

S. No	Document Details	Authors	Year	Source Details	ISBN/ ISSN	Publisher
1.	Rosenmund Reduction of Substituted Aromatic and Aliphatic Acid Chlorides to Aldehydes	Kanhaiya R. Jethani, P. H. Mehta and S. B. Chandaliya	1981	Indian Journal of Technology	0019-5669	CSIR
2.	Determination of the Co-ordination Number of Liquid Metals near the Melting Point	Anthony L. Hines, Hugh A. Walls and Kanhaiyalal R. Jethani	1985	Metallurgical Transactions	0360-2133	Springer
3.	Selection of Reactive Solvent for Pollution Abatement of Nitrogen Oxides (NO _x)	Kanhaiya R. Jethani, Naresh. J. Suchak and J. B. Joshi	1990	Gas Separation & Purification	ISSN: 0950-4214	Pergamon
4.	Absorption of Nitrogen Oxides in Alkaline Solutions: Selective Manufacture of Sodium Nitrite	Naresh. J. Suchak, Kanhaiya R. Jethani and J. B. Joshi	1990	Industrial & Engineering Chemistry Research	0888-5885	American Chemical Society
5.	Modeling and Simulation of NOX	Naresh. J. Suchak,	1991	AIChE Journal	1547-5905	AIChE

	Absorption in Pilot Scale Packed Columns	Kanhaiya R. Jethani and J. B. Joshi				
6.	Modeling and Simulation of a Spray Column for Nitrogen Oxides (NO _x) Absorption	Kanhaiya R. Jethani, Naresh. J. Suchak and J. B. Joshi	1992	Computers & Chemical Engineering	0098-1354	Elsevier
7.	Software Metrics for Effective Project Management	Kanhaiya Jethani	2013	International Journal of System Assurance Engineering and Management (IJSAEM)	0975-6809	Springer
8.	Design and Mathematical Modeling of Spray Dryer using CFD	Ms Utkarsha V Malshe, K. R Jethani & V. S. Vitankar	2018	International Journal of Advanced Research	2320-5407	

Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	ISB N	Organised by
1.	Effective Project Management	Kanhaiya Jethani	2003	International Software Project Management Conference (ISPMC)		ISPMC
2.	Metrics and SPC Analysis Techniques that really help in Quantitative Project Management	Kanhaiya Jethani, Idris Khan and Nidhi Srivastava	2006	International Conference on Software Process Improvement (ICSPI)		ICSPI
3.	Effective Metrics for Quantitative Project Management	Kanhaiya Jethani, PragnyaMisra	2006	European SEPG Conference		European SEPG

		and Vanishri Veloo				
4.	Software Metrics for Effective Project Management	Kanhaiya Jethani	2012	International Research Conference on Emerging Information Technology and Engineering Solutions (EITES-2012)		SCIT
5.	Coal Gasification: The Energy of Future	Naina Deshmukh, Rajendra S Raut, Kanhaiya Jethani and Sanjay Danao	2016	National Conference Sanvaragm 2016		BVU COE, Pune
6.	Membrane Aromatic Recovery System (MARS): Recovery of aromatic acids and bases from aqueous wastewater streams	Komal Bhangale, Kanchan Bawankar, Rajendra S Raut and Kanhaiya Jethani	2016	National Conference Sanvaragm 2016		BVU COE, Pune
7.	Carbon Dioxide Capturing and Sequestration	Justin K. George, Naina Deshmukh, Rajendra S Raut and Kanhaiya Jethani	2016	National Conference Sanvaragm 2016		BVU COE, Pune
8.	Decolorization of Rhodamine 6G using metal oxides: composition of Tio ₂ and CuO	Aryan Singh, Parth Shah, Prashant Warke, Kanhaiya Jethani	2016	National Conference Sanvaragm 2016		BVU COE, Pune

9.	Removal of Patent Blue V Dye Using Air-Bubble induced oxidation based on Small Glass Balls: Intensification studies	Shahbaj Shaikh, Rajendra S Raut, Naina S Deshmukh, Manisha M Bagal, Shruti P. Hinge, Ashish V Mohod, Kanhaiya R Jethani	2016	National Conference Sanvaragm 2016		BVU COE, Pune
10.	Treatment of Phenolic Waste using Pilot-scale Photocatalytic Reactor”	P. M.Warke, V. L. Gole and K. R. Jethani	2016	National Conference Sanvaragm 2016		BVU COE, Pune
11.	Role of Calcium Oxide in Manufacturing Sugar	Darshani Thakare, R. S. Raut and K. R. Jethani	2016	National Conference Sanvaragm 2016		BVU COE, Pune
12.	Photocatalytic Treatment of Wastewater by using Immobilized TiO ₂ Nanoparticles	P. M. Warke, K. R. Jethani and S.M. Jadhav	2018	4th International Nanocon Conference 2018		BVU COE, Pune

PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	-	8	46

Professional Memberships

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)	Membership No.
Indian Institute of Chemical Engineers	National	Life	LM-06049
Institute of Engineers (India)	National	Fellow	F-123129-0

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Patents / IPR Filed / Granted

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

Books Published

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

Research Grants Received

S. No	Program	Duration	Funding Agency	Grant Amount
1.	Research Proposal	2018	IEI	40,000

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

S. No	Title	Type	Duration	Level (State/National/International)	Sponsoring Agency
1.	Process Intensification	Seminar	9-10, 22 Jan 2015	National	SPPU, Pune
2.	Sustainable Technologies in Pharmaceutical Industry	Seminar	18-19 Mar 2016	National	SPPU, Pune
3.	Advances in Reactor Design	Seminar	27-28 Feb 2017	National	SPPU, Pune
4.	Water Management in India	Seminar	29 May 2017	National	Vesbe, Germany

5.	Environment & Green Technology for Sustainable Development	Seminar	18-19 Jan 2019	National	SPPU, Pune
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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. No.	Title	Type	Duration	Organizer	Sponsoring Agency
1.	Software Processes and Agile Practices	Course	11 May 2020 - 4 Jun 2020	Coursera	University of Alberta, Canada
2.	Online FDP on Simulation using DWSIM	FDP	28 Apr 2020 -2 May 2020	IIT Bombay	AISSMS COE
3.	Vision-Mission-PEO- PSO-PO-CO: Framing, Mapping, Assessment & Attainment	FDP	10-15 Jun 2019	AISSMS COE, Pune	ISTE
4.	Equipment Design: Mechanical Aspects	Course	Jan – Feb 2019	NPTEL	IIT Roorkee
5.	Developing Soft Skills and Personality	Course	Jul – Oct 2018	NPTEL	IIT Madras
6.	Unit Operations of Particulate Matter	Course	Aug – Sep 2018	NPTEL	IIT Roorkee
7.	Engineering Thermodynamics	Course	Feb – Mar 2018	NPTEL	IIT Kanpur

8.	Phase Equilibrium Thermodynamics	Course	Jul – Sep 2017	NPTEL	IIT Kharagpur
9.	Introduction to Thermodynamics	Course	Oct – Nov 2016	Coursera	University of Michigan
10.	Process Intensification	STTP	9-10 Sep 2016	ICT, Mumbai	ICT Mumbai
11.	Sustainable Engineering: From Concept to Design Solutions	STTP	3-7 Aug 2016	IIT, Bombay	CE&QIP STTP

Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
1.	Head of Chemical Engineering Department, AISSMS COE, Pune from June 2014 - June 2019
2.	Delivery Head, Cross Country Infotech Pvt. Ltd., India from Nov. 2008 – March 2014
3.	Senior Consultant, Tata Consultancy Services from Sep 1990 – Nov 2008
4.	Post-Doctoral Research Fellow, ICT, Mumbai from Nov 1987 – Sep 1990
5.	Consultant, Sigma Consultants Pvt. Ltd., Mumbai from Feb 1987 – Sep 1987
6.	Post-Doctoral Research Fellow, Oklahoma State University, USA from May 1985 – Oct 1986

Awards Received

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

Dr. K. R. Jethani

(Name with Signature)