



Department of Chemical Engineering

Faculty Profile

Prof. Pravin S Tadkar

M.Chem Engg (Chemical Engineering)

Assistant Professor

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☎ (020) 26058587; Extn: 1204

🌐 <https://scholar.google.com/citations?user=5XcoC3cAAAAJ&hl=en>

🌐 <https://www.linkedin.com/in/pravin-tadkar-57343b21>



Research Areas/ Areas of Interest

Epoxidation, Hydrolysis, CRE, DOE, HT, CRE, FM

Personal Details

Date of Birth : 07 / 03 / 1985

Domicile: Maharashtra

Gender : Male

Blood Group: O+ve

Contact Details: Flat No 403, Lotus, Parks Springs, Porwal Road, Near D Y Patil
Engg College, Lohegoan, Pune 411047

Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph.D.	Chemical Engineering	ICT Mumbai	--	Pursuing
2	M.E.	Chemical Engineering	ICT Mumbai	I st	May 2010
3	PGDM	Piping Design and Engineering	Pune	I st	May 2008
3	B.E.	Chemical Engineering	Pune	First Class with Distinction	May 2007

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	10	00
2	Research	00	00
3	Industry	01	02
4.	Others	--	--
Total		11	2

Subjects/Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	Chemical Reaction Engineering II	UG	BE (Chemical)	10

2	Fuel Cell Technology	UG	BE (Chemical)	05
3	Piping Design & Engineering	UG	BE (Chemical)	04
4	Catalysis	UG	BE (Chemical)	03
5	Chemical Process Safety	UG	BE (Chemical)	01
6	Chemical Engineering Thermodynamics II	UG	TE (Chemical)	01
7.	Chemical Engineering Thermodynamics I	UG	SE (Chemical)	04
8	Heat Transfer	UG	SE (Chemical)	06

Research Publications

	National	International	State	SCI/Scopus Indexed	UGC Approved
Journals	01	01	00	02	02
Conferences	60	02	-	-	--

Publication Details (Journals)

S. No	Document Details	Authors	Year	Source Details	ISBN/ISSN	Publisher
1.	Treatment of Methylene Blue Dye Using Immersed Lamp Photocatalytic Reactor: 5 L Scale Study	Pravin S. Tadkar Palas K. Borkar Sayali N. Gholap Vitthal L. Gole	2019	J. Inst. Eng. India Ser. E 100 , pages 199–204(2019)	ISSN 1018-3639	Elsevier
2	Thin Layer Modeling Microwave Vacuum	Vitthal L Gole,	2010	Vol. II, No. 2, 2010	978-81-	IUP Journal

	Drying of Green Chilli	Pravin Tadkar, Pratik Pawar and Nirmal Pati			314- 2793- 4	
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Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organised by
1	Alcoholic Fermentation	Mahima Phade , Aditya Umashankar and Pravin Tadkar	2019	SCHEMCON 2019		Shroff College
2	Epoxidation	Pranjal Thorat , Tejas Hire and Pravin Tadkar	2019	SCHEMCON 2019		Shroff College
3	Epoxidation of Castor Oil	Amol Raut and Pravin Tadkar	2017	CHEMCON 2017		HIT Haldia
4	Extraction of Natural Dyes	Namdev B and Pravin Tadkar	2017	CHEMCON 2017		HIT Haldia
5	Value Added products from Epoxidised Sesame Oil	Pratik G and Pravin Tadkar	2017	CHEMCON 2017		HIT Haldia
6	Extraction of Valuable Products From Natural Resources	Chaintnya K and Pravin Tadkar	2017	CHEMCON 2017		HIT Haldia
7	Kinetics of esterification of Benzyl Alcohol	Neha P and Pravin Tadkar	2017	CHEMCON 2017		HIT Haldia
8	Comperative study of Epoxidation of Karja Oil	Gaythri M and Pravin Tadkar	2017	CHEMCON 2017		HIT Haldia

9	Production of Biodiesel from Cotton Seed Oil	Atif, Reshnu and Pravin Tadkar	2017	Chemcon 2017		HIT Haldia
10	Process Intensification of degradation of Dyes using Microwave and Photo reactor	Rahil K and Pravin Tadkar	2017	Chemcon 2017		HIT Haldia
11	Cumene Oxidation to Phenol	Sakshi Sharma, Swathi and Pravin Tadkar	2017	Chemcon 2017		HIT Haldia
12	Value added products from Kranja using Novel Techniques	Shivsagar Mand Pravin Tadkar	2017	Chemcon 2017		HIT Haldia
13	Study of Epoxidation of Sisme Oil	Mittali Gundesha, Madhuri Jadhav and Pravin	2017	PICE 2017		AISSMS COE Pune
14	Value added Products from Karnja Oil Using Novel Techniques	Kalpak Jadhav, Akshay Kondubhairy, Dr V L Gole and Pravin S Tadkar	2017	PICE 2017		AISSMS COE Pune
15	'Review: on Carbon Capture Technologies	Sagar Mahajan, Kartik Jain, Ankit Patel, Meet Patel and Pravin Tadkar	2016	Chemcon 2016		Anna University Chennai
16	Degradation of	Prasanna	2016	Chemcon		Anna

	Methylene Blue using Different Approaches	Joshi, Kiran Mhaske, Hitesh Barhate, Gurav Thike and Pravin Tadkar		2016		University Chennai
17	Industrial Waste Management	Ajit Padwal, Shubham Jakate, Aditya Sonwane, Ashok Bhirwal and Pravin Tadkar	2016	Chemcon 2016		Anna University Chennai
18	Review on Polymer Electrolyte Membrane Fuel Cell	Prasanna Joshi, Bhushan Mene, Shubham Jakate, Dr Sanjay P Danao and Pravin Tadkar	2016	Chemcon 2016		Anna University Chennai
19	Production of Biodiesel From Jatropha Oil	Mittali Gundesha, Kalpak Jadhav, Akshay Kondubhairy, Manisha Khedekar, Kapil Sathe and Pravin Tadkar	2016	Chemcon 2016		Anna University Chennai

20	Comparative Study of Epoxidation of castor Oil	Aniket Mali, Mittali Gundesha, Madhuri Jadhav, Nidya Lokanath and Pravin Tadkar	2016	Chemcon 2016		Anna University Chennai
21	Kinetics of Esterification of benzyl Alcohol	Kiran Mhaske, Swapnil Lawand, Rajat Palkar, Amir Shaikh and Pravin Tadkar	2016	Chemcon 2016		Anna University Chennai
22	Value Added Products of Epoxidized Soyabean Oil	Nidya Lokanath, Divyani and Pravin Tadkar	2016	Sanvargam 2016		BVPCOE Pune
23	Review on Solar Chminey	P Joshi, K Mhaske, Dr S P Danao and Pravin Tadkar	2016	Sanvargam 2016		BVPCOE Pune
24	Extraction of Value added Products from Natural Resources	G Tikhe, Nikita D, Dr K Jethani and Pravin Tadkar	2016	Sanvargam 2016		BVPCOE Pune
25	Intensification of Synthesis of Biodiesel from Edibile Oil	Pooja D, Arushi T, Manasi P and Pravin Tadkar	2016	Sanvargam 2016		BVPCOE Pune
26	Process Intensification of Extraction of Natural Dye	Mittali G, Madhuri J, Aniket M and Pravin Tadkar	2016	Sanvargam 2016		BVPCOE Pune
27	Value Added Products	Nidya	2015	Chemcon		IIT Guwahati

	of Epoxidized Soyabean Oil	Lokanath, Divyani and Pravin Tadkar		2015		
28	Process Intensification of Extraction of Natural Dyes	Gaurav Tikhe, Kapil Sathe and Pravin Tadkar	2015	Chemcon 2015		IIT Guwahati
29	Extraction of Value added products from natural resources	Kapil Sathe, Gaurav Tikhe, Keyur Moradiya and Pravin Tadkar	2015	Chemcon 2015		IIT Guwahati
30	Process Intensification of Epoxidation of Castor Oil	Bhushan jadhav, Nidya Lokanath, Rahul Rahod and Pravin Tadkar	2015	Chemcon 2015		IIT Guwahati
31	Production of Fatty Acids from Hydrolysis of Cooking Palm Oil Using Different Catalyst	Mayuri Dhuri, Merlin Velloor, Chrayu Thakur Pravin Tadkar	2015	Chemcon 2015		IIT Guwahati
32	Review on Solar Chimney	Prasanna Joshi, Kiran Mhaske, Mittali Gundesha, Dr S P Danao and Pravin Tadkar	2015	Chemcon 2015		IIT Guwahati
33	A Study of Organic Reactions in Alternative Media	S Tamhankar, P Joshi. Mittali Gundesha, Dr S P Danao	2015	Chemcon 2015		IIT Guwahati

		and Pravin Tadkar				
34	Intensification of Chemical Processing Using Novel Reactors	Shoeb Sayed and Pravin Tadkar	2015	Chemcon 2015		IIT Guwahati
35	Comparative Study of Epoxidation of Soybean Oil	N Dinde, P Gade and Pravin Tadkar	2015	Schemcon		MAE Alandi Pune
36	Industrial Waste Management	Akshay S, Saurabh M, Dhiraj B and Pravin Tadkar	2015	Schemcon		MAE Alandi Pune
37	Waste Management of Polymers	Prajakta Lad, Nidya Lokanath, Nikita Dinde, Pravin Tadkar	2014	Chemcon 2014		Panjab University Chandigarh
38	Sustainable Technology For Epoxidation Directed Towards Plant Oil	Naikwadi Prashant, Kamthe Priyanka and Tadkar Pravin	2014	Chemcon 2014		Panjab University Chandigarh
39	Hydrolysis Of Oil	Mayuri .R. Dhuri , Merlin Velloor, Sarang Tamhankar and PravinTadkar	2014	Chemcon 2014		Panjab University Chandigarh
40	Industrial Waste Management	Roshan Khamkar and Pravin Tadkar	2014	Chemcon 2014		Panjab University Chandigarh
41	Extraction Of Natural Dyes	Vandekar Venkatesh,	2014	Chemcon 2014		Panjab University

		Wagh Harshad, Naikwadi Prashant and Tadkar Pravin				Chandigarh
42	Microwave Assisted Synthesis Of Epoxidized Soybean Oil	Dinde Nikita, Lokanath Nidya1 Lad Prajakta and Pravin Tadkar	2014	Chemcon 2014		Panjab University Chandigarh
43	Review On Alkaline Cells	Rathod Rahul, Kore Purvesh, Misal Saurabh, Dr Danao S P and Tadkar Pravin	2014	Chemcon 2014		Panjab University Chandigarh
44	Fuel Cell: An Excellent Option For Power Generation	Kore Purvesh, Moradiya Keyur, Dr Danao S P and Tadkar Pravin	2014	Chemcon 2014		Panjab University Chandigarh
45	Study of Different Pretreatment Methods On Wheat Straw	Keyur Moradiya, Rajendra Raut, Pravin Tadkar Comparitive	2014	Chemcon 2014		Panjab University Chandigarh
46	Review on Synthesis on Plasticisers	Mihir Kulkarni, Omkar Marathe and Pravin Tadkar	2014	Schemcon 2014		HIT Haldia
47	Carbon Abatement	Biwal Jay,	2014	FTWM-14		AISSMS

	Technologies	Bhandarkar Awani, Tadkar Pravin				COE Pune
48	Membrane Bioreactor: An excellent waste water treatment technology	Moradiya Keyur, Bokhale Nileema, Tadkar Pravin	2014	FTWM-14		AISSMS COE Pune
49	Supercritical water oxidation	Kakade Supriya, Punwatkar Swati, Nandanwar Sachin, Tadkar Pravin	2014	FTWM-14		AISSMS COE Pune
50	Degradation of Dyes using Microwave Reactor	Kunal Joshi, Vivek Gadre, Pravin Tadkar	2014	FTWM-14		AISSMS COE Pune
51	Microbial Oil Recovery	Gadekar Pratiksha, Nemade Tushar, Sathe Kapil, Tadkar Pravin	2014	FTWM-14		AISSMS COE Pune
52	Extraction of Natural Dye	Sarala Tippawar, Ruddhi Helekar, Vitthal Gole, Pravin S Tadkar	2013	Chemcon 2013		ICT Mumbai
53	Degradation of Dyes using Microwave Reactor	Kunal Joshi, Vivek Gadre, Pramod	2013	Chemcon 2013		ICT Mumbai

		Alande, Pravin Tadkar				
54	Comparative Study of Epoxidation of Soybean Oil	Saili Indurkar, Pratiksha Gadekar, PravinTadkar	2013	Chemcon 2013		ICT Mumbai
55	Microwave Assisted Epoxidation of Karanja oil	Jay Biwal, Awani Bhandarkar, Pravin Tadkar	2013	Chemcon 2013		ICT Mumbai
56	Ethanol Production from Lignocellulosic Biomass	Keyur Moradiya, Pravin Tadkar, Vitthal Gole	2013	Chemcon 2013		ICT Mumbai
57	Intensification of epoxidation of Karanja oil Using Sonochemical Reactors	Supriya Kakade, Swati Punwatkar, PravinTadkar	2013	Chemcon 2013		ICT Mumbai
58	Solubility of AgNO ₃ in supercritical fluid	Kanitkar Bhagyashree, Pansare Rahul , Deb Bornita, Tadkar Pravin, Dr. Rajnish Kumar	2013	Chemcon 2013		ICT Mumbai
59	Kinetics of Esterification of Benzyl Alcohol	Pankaj Diwate, Sarika Shelke, Pravin Tadkar	2013	Chemcon 2013		ICT Mumbai

PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	-	-	75

Professional Memberships

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)	Membership No.
IIChE	National	Life	LM51009
IE (I)	National	Life	M1592283
IE (I) CE	International	Life	M1592283

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.	Extraction of Valuable products from Karanja	2016-18	BCUD, SPPU, Pune	INR2.75 Lacs

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

S. No	Title	Type	Duration	Level (State/National/ International)	Sponsoring Agency
01	Introduction to Computer	SDP	03/07/2020	International	Spoken

			to 09/07/2020		Tutorial and AISSMS COE Pune
02	Biogas	Works hop	20/05/2020 to 25/05/2020	National	Spoken Tutorial and AISSMS COE Pune
03	DWSIM	Works hop	11/05/2020 To 15/05/2020	National	Spoken Tutorial and AISSMS COE Pune
04	Process Simulation Using DWSIM	FDP	28/04/2020 to 04/05/2020	National	Spoken Tutorial and AISSMS COE Pune
05	Advances in Chemical Reactor Design (Received Grant Rs 2 L from SPPU)	Semin ar	27/02/2017 to 28/02/2017	National	SPPU Pune and AISSMS COE Pune
06	Sustainable Technologies for Specialty and Fine Chemicals (Received Grant Rs 2 L from SPPU)	Semin ar	18/03/2016 to 19/03/2016	National	SPPU Pune and AISSMS COE Pune

Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level(National/Int/ State/Regional)	Date
1	Prakalp 2020 MIT AOE	Judge	National	11/09/2020
2	Prakalp 2019 MIT	Judge	National	16/09/2020

	AOE			
3	AISSMS Polytechnic	Piping Design	Regional	24/02/2012

Details of Workshop/STTP/FDP/Conferences Attended

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
1	Development of Chemical Engineering Thermodynamics Laboratory for Undergraduates	STTP	One Week (14/12/2020 19/12/2020)	School of Engineering and Technology GIET University Gupur)	
2	Industrial Pollution & Control Strategies	STTP III	One Week (23/11/2020 28/11/2020)	Anurag Group of Institutions Ghatkesar, Medchal Telangana	
3	Industrial Pollution & Control Strategies	STTP I	One Week (24/08/2020 29/08/2020)	Anurag Group of Institutions Ghatkesar, Medchal Telangana	
4	Advances in Additive Manufacturing	STTP	6 Days (20/07/2020 to 25/07/2020)	Yashwantrao Chavan College of Engineering	
5	Microsoft Digital Literacy	STTP	One Week (15/06/2020 20/06/2020)	AISSMS IOIT	
6	Outcome Based Education And NBA Accreditation Process	STTP	5 Days (08/06/2020 12/06/2020)	P. R. Pote (Patil) College of Engineering & Management, Amravati	
7	Advanced Optimization Tools and Techniques for Research Engineers	STTP	One Week (23/05/2020 27/05/2020)	SKN Sinhgad College of Engineering	
8	Leadership Excellence	FDP	5 Days (09/11/2020 13/11/2020)	Indian Institute of Plantation and Management	

9	Green Technology & Sustainblity Engineering	FDP	5 Days (26/10/2020 30/10/2020)	SVNIT Surat	
10	Essential Mathematics for Engineers and Researchers	FDP	One Week (23/07/2020 to 27/07/2020)	SKN Sinhgad College of Engineering, Pandharpur, Maharashtra	
11	Resaech in Energy Tehnologies	FDP	One Week (06/07/2020 11/07/2020)	Bharati Vidyapeeth COE Pune	
12	'Research Opportunities in Advanced Manufacturing Processes	FDP	One Week (22/06/2020 28/06/2020)	Bharati Vidyapeeth COE Pune	
13	E Leaning Creating and Managing e-Content	FDP	3 Days (22/06/2020 24/06/2020)	VVPIET Solapur	
14	Development and Impact of Recent Technologies & Innovations in Chemical Engineering	FDP	One Week (21/06/2020 26/06/2020)	MGM COE & T Navi Mumbai	
15	Leasership Exellance	FDP	7 Days (17/06/2020 23/06/2020)	Justice Basheer Ahmed Sayeed Sollege for Women Chennai	
16	Future Materials: Nanocomposites	FDP	One Week (15/06/2020 21/06/2020)	Bharati Vidyapeeth COE Pune	
17	Research in Environmental Engineering and A Way Forward	FDP	One Week (15/06/2020 20/06/2020)	PCCOE Pune	
18	Role of Energy Management in Smart City	FDP	One Week (15/06/2020 19/06/2020)	School of Engineering & Technology Sharda Unversity Greater Noida UP	
19	Technology Towards Common Man	FDP	04 Days (10/06/2020 to 13/06/2020)	Sri Manakula Vinayagar Engineering College Puducherry	
20	Modern Technologies and Self Development	FSD P	3 Days (08/06/2020	AISSMS COE Pune	

			10/06/2020)		
21	Role Of Teachers In Quality Enhancement & Accreditation	FDP	One Week (05/06/2020 11/06/2020)	Santhiram Engineering College, Nandyal and Kristu Jayantu College Bangalore	
22	Materials: Recent Trends & Engineering Applications	FDP	One Week (02/06/2020 07/06/2020)	GOKARAJU RANGARAJU Institute of Engineering and Technology	
23	Advanced Teaching tools Techniques and Methodologies for outcome based Education	FDP	One Week (01/06/2020 05/06/2020)	AISSMS COE Pune	
24	Municipal Solid Waste Management during COVID-19 Pandemic	FDP	03 Days (28/05/2020 30/05/2020)	Anurag Group of Institutions, Ghatkesar (M), Medchal (D), Telangana	
25	Data Science using R	FDP	3 Days (28/05/2020 30/05/2020)	K. K. Wagh Institute of Engineering Education and Research, Nashik	
26	Promoting Quality Culture in Technical Institutions	FDP	One Week (25/05/2020 29/05/2020)	AISSMS COE Pune	
27	Introduction to Computers	FDP	One Week (20/05/2020 24/05/2020)	Shriram Institute of Technology & Engineering Paniv	
28	Advances in " Python(Django and Flask), Python for Data Science and Cyber Security"	FDP	One Week (21/05/2020 24/05/2020)	Chadalawada Ramanamma Engineering College, Tirupati	
29	Moodle- Learning Management System.	FDP	One Week (13/05/2020 17/05/2020)	SCOE Pune	
30	Outcome Based Education: A Step Towards Excellence	FDP	One Week (11/05/2020 15/05/2020)	Government College of Engineering, Karad	

31	Process Simulation using DWSIM	FDP	One Week (28/04/2020 04/05/2020)	AISSMS COE Pune	
32	Vision-Mission-PEO-PSO-PO-CO: Framing, mapping, Assessment and Attainment	FDP	One Week (10/06/2019 15/06/2019)	ISTE and AISSMS COE PUNE	
33	Modern Pedagogy and Recent Technological Development	FDP	One Week (10/12/2018 14/12/2018)	AISSMS COE Pune	
34	Teaching Learning	FDP	One Week (June 2014)	AISSMS COE Pune	
35	Mentoring	FDP	One Week (June 2014)	AISSMS COE Pune	
36	Teaching Learning	FDP	One Week (June 2013)	AISSMS COE Pune	
37	Computational Fluid Dynamics'	Seminar	1 day (24/9/2019)	Department of Chemical Engineering, AISSMS COE, Pune	
38	Scale-up of the batch process and flow chemistry in batch reactors'	Seminar	1 Day (19/7/2019)	Department of Chemical Engineering, AISSMS COE, Pune	
39	Schemcon	Conference	2 days (17/10/2019 to 18/10/2019)	Shroff S.R. Rotary Institute of Chemical Technology (SRICT)	

Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
1	Coordinator for Vinyl Board Printing (Institute Level)
2	Member of various committee on college level like NAAC R&D, Students Welfare, NSS, Alumni Association
3	Coordinator for Academic Calendar (Institute and Department Level)
4	Coordinator for Students' Activity (Engineering Today Coordinator, worked on various committee in Shivanjali, Science Project Exhibition Coodiantor,

	Fresher's, and Farewell) (Department Level)
5	Coordinator for Social Programme (Department Level)
6	Coordinator for NBA (Criterion-III and IV) (Department Level)
7	CEFM Lab Development (Purchase of the equipments)
8	Coordinator for National Level Seminar (Department Level)
9	Coordinator for Service Cell (Department Level)
10	Coordinator for Training and Placement (Department Level)
11	Coordinator for Project and Seminar (Department Level)
12	Coordinator for Industrial Training (Department Level)

Awards Received

S. No.	Awards

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



Mr Pravin S Tadkar

(Name with Signature)