



Department of First Year Engineering

Faculty Profile

Dr. Pankaj D. Baviskar

Ph.D. (Chemistry)

Assistant Professor

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Research Areas / Areas of Interest

Nanophytomedicines, Nanodrug carriers, Drug Vehicles, Curcumin

Personal Details

Date of Birth : 06/09/1988

Domicile: Maharashtra

Gender : Male

Blood Group: O+ve

Contact Details:

AISSMS College of
Engineering
First Year Engineering 4th
Floor, Room No 415
Department, AISSMS COE
(A⁺ NAAC Accredited),
Kennedy Road, Pune,
411001.

Academic Background

Sr. No.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph.D.	Chemistry	North Maharashtra University	--	2021
2	M.Sc.	Organic Chemistry	North Maharashtra University	First class	2012
3	B.Sc.	Chemistry	North Maharashtra University	First class with distinction	2010

Work Experience

Sr. No.	Type of Experience	Years	Months
1	Teaching	8	2
2	Research	--	--
3	Industry	1	--
4.	Others	--	--
Total		9	2

Subjects / Courses Taught

Sr. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	Engineering Chemistry(2019 pattern SPPU)	UG	FE	04

2	Industrial Chemistry (2019 pattern SPPU)	UG	SE	01
3	Inorganic Chemistry	PG	FE	06
4	Synthetic Methods	PG	FE	01

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	1	3		1	3
Conferences					

Publication Details (Journals)

Sr. No.	Document Details	Authors	Year	Source Details	ISBN/ISSN	Publisher
1	Synthesis and characterization of optimized nano-emulgel micelles as a vehicle of plant extracted curcumin: drug release and In	P. D. Baviskar Dr. H. P. Narkhede	2019	https://dx.doi.org/10.33289/IJRPC.9.3.2019.939	2231 2781	Journal of Research in Pharmacy and Chemistry
2	Curcumin loaded nano- emulgel as a drug carrier having potent antioxidant activity”	P. D. Baviskar Dr. H. P. Narkhede	2019	http://www.joac.info/ContentPaper/2019/31-8-4-7-22.pdf	2278-1862	Journal of applicable chemistry
3	Synthesis and biological activity of 7- (2-(1 H-1, 2, 4- triazol-1-yl) ethoxy)-4- (styryl/4- substituted styryl)-2 H- chromen-2-one	Dr. J. D. Bhirud Dr. Y.B. More Dr. H. P. Narkhede P. D. Baviskar	2020	http://nopr.niscair.res.in/handle/123456789/58190	03764699, 09750983	Indian Journal of Chemistry- Section B (IJC-B) 60 (8), 1097-1102
4	Synthesis and characterization of curcumin loaded	P. D. Baviskar G. Desale V. Palve A. More	2018		9788193086797	A Compendium of Research Articles by

	nano- emulsion”					Budding Researchers
5	Curcumin-Loaded Phenethyl Isothiocyanate Nano-Spheres: Preparation, Stability Study, and Its Implication for Cataract Prevention	Pankaj Baviskar, Deepak Nighot Vrashali Kalyani, Archana Dhumure	July 2023		0971-3034	The Indian Journal of Technical Education.
6	Comparative Analysis of Adsorption of Acetic Acid by Banana Pseudostem and Commercial Wood Charcoal	Shital Wani ¹ , Dipak Patil ² , Pankaj Baviskar ³	May 2025		2319-7064	International Journal of Science and Research (IJSR)
7	Evaluating the Impact of UV Treatment on Water Quality: A Focus on TDS, Hardness, chlorine contain and COD.	Dr. Pankaj D. Baviskar , Dr. Deepak V. Nighot , Dr. Sushmita Sharma ,Mr. Rajendra M. Deshmukh	2025		0971-3034	The Indian Journal of Technical Education.

Professional Memberships

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

Patents / IPR Filed / Granted

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

Books Published

Sr. No	Title	Name of the Publisher	ISBN/ISSN Number
1	Inorganic Chemistry I CH111	YCMOU 422 222, MS	978-93-95855-13-6
2	Organic Chemistry I CH112	YCMOU 422 222, MS	978-93-95855-08-2
3	Inorganic Chemistry II CH121	YCMOU 422 222, MS	978-93-95855-72-3
4	Biotechnology CHE608	YCMOU 422 222, MS	978 81 977110 6 0

Research Grants Received

Sr. No	Program	Duration	Funding Agency	Grant Amount

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

Sr. No	Title	Type	Duration	Level (State/National/International)	Sponsoring Agency

Contribution as Resource Person

Sr. No.	Place/ Organization	Topic	Level (National/ Int/State/Regional)	Date
1	PDEA's Baburaoji Gholap College Sangvi Pune in Association with AISSMS COE Pune.	Chromatographic resolution of natural pigments	Regional	07/05/2021
2	Pratibha College of Commerce & Computer Studies Chinchwad,Pune, in association with AISSMS COE Pune	Chromatographic resolution of natural pigments	Regional	29/05/2021
3	AISSMS COE Induction Program 2023-2024	Lecture on Human Values	Regional	21/08/2023

PhD / ME / BE Student Guided for Project

Level	Ph.D	ME	BE
No. of students guided			4

Details of Workshop / STTP / FDP / Conferences Attended

Sr.N	Title	Type	Duration	Organizer	Sponsoring Agency
1.	Webinar on “Stress Management”	Webinar	1 day 23/05/2021	AISSMS COE IEEE Student Branch, IEI & ISTE Chapters on 23th May 2021	
2.	“Quality Sustenance in Higher Educational Institutions”	Webinar	1 day 10/05/2021.	Department of Electronics & Telecommunication Engineering in association with IQAC AISSMS College of Engineering, Pune	
3.	“Virtual Tour of India’s Largest Cement Manufacturing Plant Rajashree Cement Works- Malkhed(GulBarga)”, on.	Webinar	1 day 26/05/2021	AISSMS college of Engineering Pune in association with Ultratech Cement Ltd.	
4.	Implementation of National Education policy (NEP) 2020 Dr.V.B.Gaikwad	Webinar	1 day 31/03/2021	AISSMS COE IEEE Student Branch, IEI & ISTE Chapters on	
5.	“Symbol of knowledge” organized by AISSMS-	Webinar	1 day 14/04/2021	AISSMS COE Pune	
6.	Why is IP important in academia? “	Webinar	1 day 27/04/2021	MHRD Innovation Cell and AICTE	
7.	MIC Driven Activity 2- Talk on	Webinar	1 day	AISSMS COE	

	“From your Ph.D./ Masters Thesis to a start-up”		23/04/2021	Pune	
8.	NASSCOM Webinar on Mobile Application Software	Webinar	1 day 28/04/2021	NASSCOM	
9.	“Empathetic and Techno-Pedagogical Approaches for the New-Normal” on	Webinar	1 day 04/05/2021	Faculty Development Cell AICTE	
10	“CO, PO, PSO Assessment & Attainment”	Webinar	1 day 05/05/2021	jointly organized by Parikrama Group of Institutions, Kashti, Daund & AISSMS COE, Pune)	
11	Yoga for prevention of covid-19 on	Webinar	1 day 09/05/2021	AISSMS College of Engineering Pune	
12	‘PSIM Software and its Applications in Power Electronics’	Workshop	1 day 22/05/2021	Department Of E&TC, AISSMS College Of Engineering, Pune in association with AISSMS COE IEEE Student Branch, IEI & ISTE Chapters	
13	"Patent Process Overview"	Webinar	1 day 24/05/2021	Department Of Mechanical Engg., in association with IQAC & IIC, AISSMS COE, PUNE	
14	“Evolution of Construction Industry to address Infrastructure challenges on	FDP	1 day 23/04/2021	Department of First Year Engineering and Civil Engineering, AISSMS College of Engineering, Pune” in association with Superior Construction (INDIANA, USA)	
15	"Importance of solar power"	Webinar	1 day 24/05/2021	Department of First Year Engineering and Civil Engineering, AISSMS College of Engineering,	

				Pune ”	
16	“Augmented Reality and Virtual Reality	FDP	1 week 21/06/2021 25/06/2021	AISSMS College of Engineering Pune, Department of Electronics & Telecommunication Engineering in association with Buds Engineering Academy Pune, under IEEE	
17	“Value Enrichment of Online Teaching and	FDP	2 day 29/06/2021	A J Institute of Management.	
18	Amazon Web Services	FDP	6 Day	Department of Computer Engineering, Dr. Pankaj Baviskar AISSMS college of engineering, Pune	Department of Computer Engineering, Dr. Pankaj Baviskar AISSMS COLLEGE OF ENGINEERING, PUNE
19	Quality improvement in technical education via Outcome base credit system	National Seminar	2 day	BRCM College of engineering and Tech. Bhiwani, Haryana	NAAC
20	NPTEL Course	Course	12 week	Basic Environmental Engineering and Pollution Abatement	IIT Rourke
21	Certificate course by Energy swaraj Foundation	Course	12 modules	Energy literacy training	AISSMS COE Pune
22	Distributed Ledger Technology"	FDP	4th December 2023 to 11th December 2023.	Dr. D Y Patil Institute of Engineering and Management Research, Akurdi, Pune	
23	Emerging trends in Sustainable Technologies	FDP	12/12/2023 to 15/12/2023	Sinhgad College of Engineering Pune	
24	Advances in Green Technology and Future Opportunities	FDP	11th August 2023.	First Year Engineering Department, Dr. D. Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune,	

25	Cognitive computing for smart application	FDP	18/03/2024 to 22/03/2024	Vishvakarma Institute of Information and Technology	
26	Innovative Teaching Methods for the 21st Century	FDP	6/3/2024	Organized by FDP DIVISION, A.C.T Academy, Kerala Unit.	
27	Design Thinking and Idea Labs	FDP	10-14th June 2024	PVG COE	
28	Ethics responsibilities for peer reviewers	Module	20/05/2024	Elsevier	
29	International Conference on Green Energy (ICGE-2023)	International Conference	16/05/2023 to 17/05/2023	Western Regional Chapter of Solar Energy Society of India (SESI)	

Major Professional Responsibilities

Sr. No.	Role and Responsibilities
1.	Guardian Faculty Member AY-2020-21, 2021-22
2.	Mentor for Mech. B Division AY-2020-21, 2021-22
3.	Annual Medical Checkup Camp for Students 2023-2024
4	Annual Medical Checkup Camp for Students 2024-2025

3.	Coordinator of Medical Checkup Camp for FE and SE AY-2022-23
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Awards Received

Sr. No.	Awards

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

Dr. P. D. Baviskar