



Department of First Year Engineering

Faculty Profile



Dr. Sujata S. Modhave

Ph.D., M.Phil., M.Sc., B.ed (Chemistry)

Assistant Professor

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Research Areas / Areas of Interest

Material Science, Environment Science

Personal Details

Date of Birth : 08/09/1983

Domicile: Maharashtra

Gender : Female

BLOOD group: O+

Contact Details: AISSMS College of
Engineering
First Year Engineering 4th
Floor, Room No 406
Department, AISSMS COE
(A⁺ NAAC Accredited),
Kennedy Road, Pune, 01

Academic Background

Sr. No.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph.D.	Chemistry	JJT University	A	2015
2	M.Phil.	Chemistry	SPPU	O	2017
3	M.Sc.	Analytical Chemistry	SPPU	First class	2007
4	B.Sc.	Chemistry	SPPU	First class	2004
5	B.ed.	Science/ Maths	SNDT	First class	2012

Work Experience

Sr. No.	Type of Experience	Years	Months
1	Teaching	16	9
2	Research	--	--
3	Industry	--	--
4.	Others	--	--
Total		16	9

Subjects / Courses Taught

Sr. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
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1	Science College, under SPPU syllabus	PG	M.Sc.-I and II Year	15
	Engineering Chemistry(2019 pattern SPPU)	UG	FE	3

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	1	7			6
Conferences	3	5			4

Publication Details (Journals)

Sr · No	Docum ent Detai ls	Authors	Year	Source Details	ISBN/ ISSN	Publisher
1 .	Hydrogen Peroxide and Activated Charcoal mediated removal of chromium from chrome Electroplating effluent	Dr. Modhave Sujata Suhas, Dr. D. R. Shinde	2013	IJSER © 2013 http://www.ijser.org	ISSN 2229-5518	International Journal of Scientific and Engineering research
2	Effective removal of chromium from chrome electroplating effluent by utilization of	Dr. Modhave S.S.and Dr. R.A. Pawar	2014			<i>Bionano Forntier,</i>

	<i>Eichhornia</i> biomass and activated Charcoal					
3	Application of Cabbage biomass and Iron for removal of Chromium From aqueous solution,	Modhave S. S	2013			<i>International Journal of Multidisciplinary Research,</i>
4	Evaluation of plant biomass as reducing agent to Cr(VI) from electroplating effluent and removal of Cr(III) by adsorption on hematite ore	Dr. Modhave Sujata Suhas, Dr. D. R. Shinde	2015			<i>Asian Journal.</i>
5	Synthesis and characterization of nanocrystalline Zinc substituted Copper ferrites by Co-precipitation technique	S. S. Modhave , D. R. Shinde , M. G. Chaskar , R. A. Pawar,	2018			IJRAR
6	Synthesis and characterization of nanocrystalline rare-earth substituted Copper Ferrites by precursor method and studies its photo-catalytic activity	S. S. Modhave, K. L. Patil ¹ , , D. R. Shinde, , Dr. M.G. Chaskar, R.A. Pawar	2019	www.jetir.org	ISSN-2349-5162	JETIR

7	Synthesis and characterization of nanocrystalline Samarium substituted Nickel Ferrites by Co-precipitation technique	Dr. S. S. Modhave	2023			
8	‘Village water survey for Study of different parameters of different water samples’	Dr. S. S. Modhave	2023			
9	Removal of Cr (VI) from effluent by physicochemical method	Dr. S. S. Modhave	2023		2347-7075	IJAAR
10	Removal Of Hexavalent Chromium By Plant Biomass	Dr. S. S. Modhave	2024		2349-5138	IJRAR
11	Removal of Cr (VI) from effluent by Chemical method	Dr. S. S. Modhave	2024		2347-7075	IJAAR
12	Improve Effectiveness and Efficiency of Technical Debt Management Automation	Dr. S. S. Modhave	2024			

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

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
1	SMART	Science conference	3 Days	International	UGC
2	Multidiscipline Science	Science conference	2 Days	National	SPPU
	Emerging Trends in Chemical Sciences	Poster presentation on Removal of Cr(VI) from industrial effluents by using combine process of reduction and adsorption	3 Days	International Conference	Organized by School of Chemical Sciences, University of Solapur
	Application of Advances in Chemical, Biological and Pharmaceutical Sciences – ICACBPS	Paper Presentation at International Conference in 19 Mar. 2013,	1 Day	International Conference	ICACBPS
	“Emerging Horizons in Biochemical Sciences and Nanomaterials”	Poster presentation	3 Days	International Conference	University Grand Commission, New Delhi & Organized by Department of Chemistry and Microbiology Shri. Shivaji Mahavidyalaya, Barshi

	1 st Doctoral Thesis Conference, Shri Jagdishprasad Jhabarmal Tibrewala University	Poster presentation	1 Day, 24 th May, 2013.	National Conference	JJTU
	Resent Trend in Co- ordination Chemistry, ,	Poster presentation	2 Days 4 th -5 th Oct. 2013	National Conference	Karmavir Bhaurao Patil Mahavidyalaya, Vashi, Navi Mumbai.
	FE Syllabus workshop	Participation	1 Day	National workshop	Shingad College, Pune
	IKS workshop	Participant	2 Days	National workshop	SPPU, Pune

Contribution as Resource Person

Sr. No.	Place/ Organization	Topic	Level (National/ Int/State/Regional)	Date
1	Prof. Ramkirshna More College, Pune	Numerical Solving in Analytical Chemistry	Sate	Oct. 2023

PhD / ME / BE Student Guided for Project

Level	Ph.D	ME	BE
No. of students guided		12 students of M.Sc. for project	

Details of Workshop / STTP / FDP / Conferences Attended

Sr .N	Title	Type	Duration	Organizer	Sponsoring Agency
1.	Advance in Green Technology and future Opportunities	FDP	1 Week 07/08/20 23 To 11/08/20 23	Dr. D.Y.Patil Institute of Engineering, Pune	Self

2.	“AC-DC Rechargeable LED Bulb Manufacturing”	Workshop	1 day 14/09/2023	Department of Electronics Science Nowrosjee Wadia College, Pune	Self
3.	Chemistry word webinar	Webinar	1 day 20/09/2023	Exploring AMR through a one health perceptive with insights from waste water monitoring	Self
4.	Emerging methodologies in Biopolymer sciences ISEMBS-2022	Seminar	1 day 12/02/2022	SML Chandibaihimatemal Mansukhani college	Self
5.	Latest Research on catalytic & Structural study of Organometallic Compounds and Nanomaterials	Webinar	1 day 03/07/2022 1	Educare Taiwan with Kaohsiung Medical University, Taiwan	Self

Major Professional Responsibilities

Sr. No.	Role and Responsibilities
1.	NAAC-III criteria member
2.	Paper setting for Analytical Chemistry
3.	Member of different college committees
4.	Member of syllabus structure design

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. S.S. Modhave