

FACULTY PROFILE



1.	Name	:	Dr. Ankush Mahadeo Sargar																					
2.	Educational Qualifications	:	M.Sc. Ph.D.																					
3.	Designation	:	Associate Professor																					
4.	Address for Communication	;	A/P. Kargani Tal. Atpada Dist. Sangli																					
5.	E-mail Id	:	amsrgar2012@gmail.com																					
6.	Mobile No.	:	9922808640																					
7.	Experience	:																						
	a) Teaching - UG	:	15 years																					
	PG	:	11 years																					
	b) Research-	:	15 years																					
8.	Details of Qualifications	:																						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Sr.</th> <th style="width: 15%;">Exam.</th> <th style="width: 35%;">Board / University</th> <th style="width: 15%;">Year</th> <th style="width: 30%;">Specialization</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td style="text-align: center;">Ph.D.</td> <td>Shivaji University, Kolhapur</td> <td style="text-align: center;">2009</td> <td style="text-align: center;">Chemistry</td> </tr> <tr> <td style="text-align: center;">2.</td> <td style="text-align: center;">M.Sc.</td> <td>Shivaji University, Kolhapur</td> <td style="text-align: center;">2002</td> <td style="text-align: center;">Physical Chemistry</td> </tr> <tr> <td style="text-align: center;">3.</td> <td style="text-align: center;">B.Sc.</td> <td>Shivaji University, Kolhapur</td> <td style="text-align: center;">2002</td> <td style="text-align: center;">Physical Chemistry</td> </tr> </tbody> </table>				Sr.	Exam.	Board / University	Year	Specialization	1.	Ph.D.	Shivaji University, Kolhapur	2009	Chemistry	2.	M.Sc.	Shivaji University, Kolhapur	2002	Physical Chemistry	3.	B.Sc.	Shivaji University, Kolhapur	2002	Physical Chemistry
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9.	CAREER PROFILE	:																						
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B]	<u>Post Graduate Level:</u>																							

i.	Department of Chemistry, Shivaji University, Kolhapur	June 2004 to April 2009	5 years
ii.	Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli	August-2012 till present	09 years
Total Teaching Experience (PG): 13 Years			

10.	RESEARCH CONTRIBUTION	:	
a)	Research Guidance	:	
ii.	Supervision of Doctoral Theses (Under Progress)	:	

Sr.	Name of the Candidate	Country	University & Date of Registration	Title of the Thesis	Status
1.	Miss. Vidya Mali	India	Shivaji University, Kolhapur Jan.2020	-----	ongoing
2.	Miss. M. R. Mujawar	India	Shivaji University, Kolhapur Jan.2020	-----	Ongoing
3.	Mrs. A. A. Ingale	India	Shivaji University, Kolhapur July. 2021	-----	Ongoing
4.	Mr. Y. M. Shinde	India	Shivaji University, Kolhapur Jan. 2023	-----	Ongoing

b)	Research Papers Published	:	
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Sr.	Title of the Paper	Journal, ISSN& IF	Vol. No., Year, Page No.	Author/ Co-author
1	Silica Coated Superhydrophobic Materials for Oil-Water Separation Application-A Short	Journal of Shivaji University: Science and Technology	Vol. 49 Issue 2 July 2023 (1-11)	Author

	Review			
2	Review on Superhydrophobic Surfaces: Fundamentals Fabrications and Applications	The International Journal of Multidisciplinary Research	Vol. 9 Issue 2 April- June 2023 (1-11) 56-69	Author
3	Review on Candle Soot based Superhydrophobic Surfaces for Oil-Water Separation	Journal of Shivaji University: Science and Technology	Vol 49 Issue 1 Jan.2023 (50-61)	Author
4	Synthesis of zirconium disulphide thin films and its optical and electrical study	International Journal of Chemistry Studies	Volume 6, Issue 1, 2022, Page No. 83-86	Author
5	Spray Deposition of PDMS/Candle Soot NPs Composite for Self-Cleaning Superhydrophobic Coating	Macromolecular Symposia	2020, 393 (2000031), 1-6	Co-Author
6	Physico-Chemical Study of Water from Miraj Tahsil, District Sangli (India)	International Journal of Scientific Research and Review	2019, 8, (Issue 4, of 3), 614-616	Author
7	Photoelectrochemical studies of zirconium dichalcogenide thin film	Pelagia Research Library, Der Chemica Sinica,	2015, 6(5):1-4	Author
8	Synthesis and characterization of chemically deposited $Tl_3(PW_{12}O_{40})$ semiconducting thin films	Scholars Research Library, Archives of Applied Science Research,	2010, 2 (2):294-303	Co-Author
9	Electrosynthesis and	Scholars	2010, 2 (1) 218-	Co-Author

	characterization of WSe ₂ thin films	Research Library, Archives of Applied Science Research	224	
10	Optostructural and Electrical studies on Electrodeposited Zirconium Sulphoselenide (ZrS _{0.5} Se _{0.5}) ₂ Thin Films	Rasayan J. Chem.	Vol.2, No.2 (2009), 364-370	Author
11	Effect of Sb doping on thermoelectric properties of chemically deposited bismuth selenide films	Materials Chemistry and Physics	115 (2009) 47–51	Co-Author
12	Electrochemical Synthesis and Characterisation of ZrSe ₂ Thin Films	Int. J. Electrochem. Sci.,	4 (2009) 887 - 894	Author
13	Optostructural and electrical studies on electrodeposited Indium doped ZrS ₂ thin films	Journal of Alloys and Compounds	474 (2009) 14–17	Author
14	Growth mechanism and characterisation of chemically grown Sb doped Bi ₂ Se ₃ thin films	Applied Surface Science	254 (2008) 5261–5265	Co-Author
15	Preparation and characterization of thallium(I) doped molybdenum heteropolyoxometalate semiconducting thin films	Materials Chemistry and Physics	112 (2008) 74–77	Co-Author
16	Osmotic and Activity coefficient studies on the aqueous solutions of tetramethyl urea at 298.15 K	Indian Journal of Chemistry	Vol. 41A (2002) 1804- 1811	Author

c)	Research Projects	:
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Sr.	Title of the Project	Major/Minor	Funding Agency	Duration
1.	Photocatalytic Degradation of Various Dyes with Nanostructured Metals and Mixed Metals Oxides	Minor (Completed)	UGC- 47-1158/14(WRO) Rs. 4,05,000/-	2 Years

d) Research Papers Presented :

Sr.	Title of the Paper	Name of the Conference	Year
1.	Analysis of Drinking Water in Miraj Tahasil	International Conference on Advances in pure and applied sciences (ICAPAS) 2019	2019
2.	Synthesis, characterization and Photocatalytic Activity of Fe ₂ O ₃	International Conference on Advances in Materials Science (ICAMS- 2016)	2016
3.	Electrochemical Synthesis and Characterization of Indium Doped ZrSe ₂ Thin Films	Chemistry and Its Role in Human Development	2012
4.	Structural and Electrical Studies on Thallium (I) Substituted Molybdenum Heteropolyoxometalate Semiconducting Thin Films	International Conference on Material Science Research and Nanotechnology (ICMSRN)	2008
5.	Synthesis and Characterisation of ZrS ₂ Thin Films	International Conference on Material Science Research and Nanotechnology (ICMSRN)	2008

11. PARTICIPATION IN KNOWLEDGE EVENTS :

a) International Conferences/ Seminars :

Sr.	Theme of the Conference	Organiser	Date(s)
1.	One Day International E-Conference On "Advanced functional Nanomaterials and	Shetkari Shikshan Prasarak Mandal's Krishna Mahavidyalaya, Rethare Bk Shivnagar	10.08. 2020

	Their Device Applications”		
2.	International EConference on “Emerging Trends in Chemical and Materials Science-2020	Shrimant Babasaheb Deshmukh Mahavidyalaya, Atpadi	03.08.2020
3.	International e-Conference on Recent Trends in Life Sciences	Shrimant Babasaheb Deshmukh Mahavidyalaya, Atpadi	27.07.2020
4.	1 st National Conference on Issues and Challenges in India: Perspectives on policies and Action	Bharati Vidyapeeth’s Dr. Patangrao Kadam Mahavidyalaya, Sangli	15.02.2020
5.	Fourth International Conference on Advances in Materials Science	Raje Ramaro College Jath	20.01.2020 To 21.01.2020
6.	Multidisciplinary International Conference on world sustainable development : vision 2030	Bharati Vidyapeeth’s Dr. Patangrao Kadam Mahavidyalaya, Sangli	19.03.2019
7.	International Conference on Advances in pure and applied sciences (ICAPAS) 2019	Balwant college vita	05.01.2019 To 06.01.2019
8.	International Conference on Advances in Materials Science (ICAMS-2016)	Raje Ramaro College Jath	7.12.2016 TO 8.12.2016
9.	International Conference on Material Science Research and Nanotechnology (ICMSRN)		

b)		National Conferences/Seminars	:	
Sr.	Theme of the Conference	Organiser	Date(s)	
1.	Trends, Challenges and Issues in the Science, Social Science and Languages for Social Welfare	Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli	17.05 2021	
2.	Recent Trends in Pure and Applied Sciences	Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli	13.03.2021	
3.	One Day National E-Conference On "Recent Trends in Chemistry"	Arts Science & Commerce College, Ramanandnagar	27.06.2020	
4.	1 st National Conference on Issues and Challenges in India: Perspectives on policies and Action	Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli	15.02.2020	
5.	2 nd National Conference on Recent Trends in Pure and Applied Sciences	Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli	11.01.2020	
6.	National Seminar on Use of effective teaching and learning process	Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli	24.08.2019	
7.	First National conference on recent trends in pure and applied sciences (RTPAS-2019)	Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli	23.03.2019	
8.	Two Days National Symposium on Examination Reforms in Higher Education	Shivaji University, Kolhapur	16.02.2017 To 17.02.2017	
9.	One Day National Seminar on Prospectus of Agriculture Labour in India	Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli	20.03.2017	
c)		Other (State/University) Conferences/Seminars	:	
Sr.	Theme of the Conference	Organiser	Date(s)	
1.	One day Online Teachers Training Workshop' on New Changed Syllabus of B. Sc. III in Analytical	<u>Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli</u>	16.02.2021	

	and Industrial Chemistry Subject, Paper No. XII		
2.	Two Days Faculty Development Workshop on Online Teaching Learning	Shivaji University, Kolhapur	04.09.2020 To 05.09.2020
3.	Workshop on 'NAAC- Revised Accreditation Framework'	Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli and IQAC, Shivaji University, Kolhapur	02.06.2020
4.	Teacher Training Workshop on New changed syllabus of M.Sc. II Analytical Chemistry	Department of Chemistry Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli	03.09.2019
5.	Workshop on Intellectual Property Rights	Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli	28.02.2019
6.	Workshop in Chemistry for Net and SET Examination Preparation	Department of Chemistry Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli	15.02.2019
7.	One Day Workshop on Personality Development	K.W.C. Sangli	13.10.2018
8.	Workshop on Revised Syllabus of M.Sc.I in Physical Chemistry	Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli	13.08.2018
9.	One Day Teachers Training Workshop on Revised Syllabus in Chemistry B.Sc. -I, Sem. I	Rajashri Chhatrapati Shahu College Kolhapur	11.8.2018
10.	One day workshop on Implementation of Sexual Harassment of Women at Workplace	Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli	27.02.2017
11.	One Day Dynan Bharati Sayhit Samelayan	Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli	05.01.2017
12.	One Day Avishkar Research Project	Jiontly Organized by Shivaji University Kolhapur and Dr Patangrao Kadam	27.12.2016

	Competition	Mahavidyalaya, Sangli	
13.	One Day Workshop on Avishkar Programme”	Jiontly Organized by Shivaji University Kolhapur and Dr Patangrao Kadam Mahavidyalaya, Sangli	02.09.2016

12.	WEBINARS ATTENDED	:	
	a) International Webinars Attended	:	03
	b) National Webinars Attended	:	26
13.	ORIENTATION/REFRESHER COURSES		

Sr.	Name of the Course	Name of the Universit/ASC	Duration
	Refresher Course in Advanced Research Methodology Tools and Techniques	Ramanujan College University of Delhi under the aegis of Ministry Of Education Pandit Madan Mohan Malaviya National Mission On Teachers And Teaching (PMMMNMTT)	30.01.2021 To 14.02.2021
1.	FDP on “Advanced Research Methodology Tools and Techniques”	Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of Ministry Of Education Pandit Madan Mohan Malaviya National Mission On Teachers And Teaching (PMMMNMTT)	30.01.2021 To 14.02.2021
2.	FDP on Digital Tools for 21st Century: Word Processing & Spreadsheets	Guru Angad Dev Teaching Learning Centre, S.G.T.B. Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)	27.01.2021 To 02. 02.2021
3.	FDP on Data Science	Shivaji University Kolhapur	24.12.2021 To 30.12.2021
4.	Online Refresher course in Chemistry	Swayam/ARPIT Khalsa College Delhi	1.11.2018 To 28.02.2019
5.	Refresher Course in Recent Trends in Teaching and learning Technologies	UGC-HRDC. ASC. Pune University	8.12.2018 To 28.12.2018

	(Chemistry)		
6.	Special Summer School in Higher Education	UGC-HRDC Jabalpur	06.07.2015 To 25.07.2015
7.	Winter School in Chemistry	ASC. Pune University organized at Department of Chemistry	11-11-2013 To 1-12-2013

14. ADMINISTRATIVE ASSIGNMENTS

:

Sr.	Position	Institution	Duration
1.	Co-ordinator Certificate course in Water and Soil Analysis	Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli	From 2013 till present

15. KNOWLEDGE EVENTS ORGANISED

:

Sr.	Title of the Event	Level	Date(s)	Position
1.	One Day Online Teachers Training Workshop' on New Changed Syllabus of B. Sc. III in Analytical and Industrial Chemistry Subject, Paper No. XII	University	16.02.2021	C0-ordinator
2.	Teacher Training Workshop on New changed syllabus of M.Sc. II Analytical Chemistry	University	03.09.2019	Organizing Committee Member
3.	Workshop in chemistry for NET and SET Examination preparation	University	15-02-2019	Organizing Committee Member
4.	Workshop on New changed syllabus of M.Sc. I Physical Chemistry	University	13-08-2018	Organizing Committee Member
5.	National workshop in Chemistry for NET and SET Examination preparation	National	07-02-2015	Organizing Secretary
6.	National Seminar on Chemistry and its role in Human Developments	National	26-03-2012	Organizing Secretary

16.	ACADEMIC ODYSSEY			:													
	a)	India			:												
<table border="1"><tr><td>1</td><td>Jabalpur</td><td>2</td><td>Hyderabad</td><td>3</td><td>Goa</td></tr><tr><td>4</td><td>Chennai</td><td>5</td><td>Tamilnadu</td><td>6</td><td>Orisa</td></tr></table>						1	Jabalpur	2	Hyderabad	3	Goa	4	Chennai	5	Tamilnadu	6	Orisa
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