

## FACULTY PROFILE

1. Name: **Sunil Dhanaji Jadhav**
2. Designation: **Professor**
3. Department : **Chemistry**
4. Address: **D.P.Bhosale College,Koregaon Dist.:Satara**
5. Date of Birth: **07/05/1963**
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8. Qualification:



Sr. No.	Exam/ Degree	Board / University	Subjects / Topics	Year of Passing
1	M.Phil/ Ph.D	Shivaji University,Kolhapur	Copper (I) catalyzed Organomanganese Syntheses	2007
2	NET/SET	-	-	-
3	P.G.	Shivaji University,Kolhapur	Heterocyclic Chemistry & Dyes	1986
4	U.G.	Shivaji University,Kolhapur	Chemistry	1984
5	HSC	Pune Divisional Board,Pune	Eng,Maths,Science	1981
6	SSC	Pune Divisional Board,Pune	Eng,Maths,Science	1979

### 9. Teaching Experience:

Sr. No.	Institution	Duration	Classes Taught	Total Years
1	Pandharpur College,Pandharpur	03/09/1986 to 15/06/1990	UG	04
2.	S.S.G.M.College,Kopergaon	16/06/1990 to 04/07/1990	UG	19 Days
3.	Dahiwadi College,Dahiwadi	05/07/1990 to 21/06/1999	UG	09
4.	Awate College,Manchar	22/06/1999 to 15/06/2007	UG	08
5.	Dada Patil Mahavidyalaya,Karjat	16/06/2007 to 15/06/2011	UG & PG	04
6.	S.M.Joshi College,Hadapsar	16/06/2011 to 15/06/2015	UG & PG	04
7.	Mahatma Phule College,Panvel	16/06/2015 to 10/06/2018	UG & PG	03
8.	D.P.Bhosale College,Koregaon	11/06/2018 onwards	UG & PG	04

### 10. Research Experience: 22 Yrs.

### 11. Research Guidance: 04

(PG and Research Guide)

Sr. No.	P.G./M.Phil./ Ph.D.	Year	University / Institute	No. of students awarded	No. of student working
1	PG	2019	Shivaji University,Kolhapur	22	22
2	M.Phil./Ph.D.	2019	Shivaji University,Kolhapur	-	-

## 12. Research Projects:

Sr. No.	Title	Govt. & Non Govt. Funding Agency	Duration	Grant Received
1	Selective Alkylation Of Carbonyl Compounds by using Organocopper Reagents	University Grants Commission (WRO), Pune [(F.No. 23-232/2001(WRO)].	March 2001 to March 2003	Rs.40,000/--
2	Trapping of a Organomanganese generated enolate with an aldehyde in the presence of Cu(MeCN) <sub>4</sub> [BF <sub>4</sub> ]	[BCUD/OSD/217 dt.15/07/2009] SPPU University	July 2009 to July 2011	Rs.1,25,000/--
3	Manganese catalyzed Hydrocarboxylation of olefins in presence of chiral ligands	UGC New Delhi [F.No.41-247/2012 (SR)].	01-07-2012 To 01-07-2015	Rs.8,34,800/-

## 13. Patents:

Sr. No.	Name of the Inventor	Title of Invention with application no.	Date of Filling	Date of Publications	Status
1	Sunil Jadhav	$\beta$ -addition of Organomanganese reagents to $\alpha,\beta$ -unsaturated ester, enone and allyl chloride in presence of Cu(MeCN) <sub>4</sub> [BF <sub>4</sub> ] catalyst.	23/02/2020	28/02/2020	Published

## 14. Research Publication: (Research papers published in the Journals notified on UGC website)

### International Publications (Before 2017 & After 2017)

Sr. No	Title of paper	Name of the authors	Name of Journal	Year of publication	ISSN number	Impact factor if any.	Link to the recognition in UGC enlistment of the Journal
1	Alkylation of Unsaturated Aldehyde and Allylic Bisacetate With Organomanganese Reagents in Presence of Tetrakis Acetonitrile Copper(I) Tetrafluoroborate	M.B.Deshmukh* <b>S.D.Jadhav</b> , A.R.Mali, A.W.Suryawnsi, P.V.Anbhule, S.S. Jagtap and S.A.Deshmukh	<i>Synthetic Communicati</i>	<b>2005</b>	<i>Synthetic Communicati on</i> <b>2005,35, 2967-2971</b>		<b>Yes</b>
2	A remarkable catalytic activity of [Cu(NCMe) <sub>2</sub> (PPh <sub>3</sub> ) <sub>2</sub> ]BF <sub>4</sub> in conjugate addition of Organomanganese reagents $\alpha,\beta$ -unsaturated ester, enone and allyl chloride	M.B.Deshmukh* <b>S.D.Jadhav</b> , P.V.Anbhule, A.R.Mali and A.W.Suryawnsi,	<i>Journal of Chemical research</i>	<b>2006</b>	<i>Journal of Chemical research</i> <b>2006 248-250</b>		<b>Yes</b>

3	Copper-catalyzed substitution reactions of acylal with organomanganese reagents.	Madhukar B.Deshmukh <b>S.D.Jadhav*</b> ,and Shadhikant V Kadam	<i>Indian Journal of Chemistry</i>	<b>2007</b>	<i>Indian Journal of Chemistry Sec.B,46</i> <b>2007</b> 989-994		<b>Yes</b>
4	Phosphomolybdic acid Catalyzed Facile One Pot Synthesis of 2,4,5-Triaryl-1H-imidazoles from Benzil and Aromatic Aldehydes.	Siddheshwar D. Jadhav, Nagnath D. Kokare <b>Sunil D.Jadhav*</b>	<i>Journal of Heterocyclic Chemistry</i>	<b>2008</b>	<i>Journal of Heterocyclic Chemistry</i> <b>2008-45,</b> 1461-1463		<b>Yes</b>
5	Trapping of Organomanganese Generated Enolates with an Aldehydes in the Presence of Cu(NCNe) <sub>4</sub> BF <sub>4</sub>	Sunil D. Jadhav* and Madhukar B.Deshmukh	<i>Chemistry for Sustainable Development</i>	<b>2012</b>	<i>Chemistry for Sustainable Development</i> <b>2012,143-151</b> ISBN;978-90-481-8650-1		<b>Yes</b>
6	An efficient, simple, one pot synthesis of dihydropyrimidine-2(1H)ones using phosphorus pentoxide	M.B.Deshmukh, Prashant V. Anbhule, <b>S.D.Jadhav</b> , A.R.Mali, S.S.Jagtap and S.A.Deshmukh	<i>Indian Journal of Chemistry</i>	<b>2007</b>	<i>Indian Journal of Chemistry</i> 46(B), <b>2007</b> 1545-1548		<b>Yes</b>
7	A novel and environmental friendly, one step synthesis of 2,6-Diamino-4-phenyl pyrimidin-5-carbonitrile using potassium carbonate in water	M.B.Deshmukh, Prashant V. Anbhule, <b>S.D.Jadhav</b> , A.R.Mali, S.S.Jagtap, D.R.Patil, S.M. Salunkhe and S.A.Sankpal	<i>Indian Journal of Chemistry</i>	<b>2008</b>	<i>Indian Journal of Chemistry</i> 47(B), <b>2008</b> 792-795		<b>Yes</b>
8	Synthesis of amino acid derivatives of 2-mercaptobenzothiazole.	M.B.Deshmukh, S.S.Jagtap, S.A.Deshmukh, S.D.Jadhav, and Prashant V. Anbhule,	<i>Journal of Indian Chemical Society</i>	<b>2008</b>	<i>Journal of Indian Chemical Society,</i> <b>85,2008</b> 290-292		<b>Yes</b>
9	Synthesis of some 4-substituted hydrazinotetrazolo[1,5- $\alpha$ ] quinoxalines	M.B.Deshmukh, A.R.Mali, S.D.Jadhav, and A.W.Suryawanshi	<i>Indian Journal of Chemistry</i>	<b>2007</b>	<i>Indian Journal of Chemistry</i> 46(B), <b>2007</b> 1211-1213		<b>Yes</b>
10	Synthesis and antimicrobial activity of pyridopyrazole and pyrazolo[3,4- <i>d</i> ] dihydrothiazole	M.B.Deshmukh, S.A.Deshmukh, S.S.Jagtap, S.W.Suryawanshi S.D.Jadhav, and Prashant V. Anbhule,	<i>Journal of Indian Chemical Society</i>	<b>2009</b>	<i>Journal of Indian Chemical Society</i> 86, <b>2009</b> 613-616 ISSN 00194522		<b>Yes</b>
11	Industrial Scale Process Development of Cul.(PPh <sub>3</sub> ) and its Application in Sonogashira Coupling Reaction	A.K. Jain, Dnyaneshwar Nighot; Sunil Jadhav, Uttam Dhaigude and Imran Ali	<i>International Journal of Applied Engineering Research</i>	<b>2015</b>	<i>International Journal of Applied Engineering Research</i> ISSN 0973- 4562 Vol. 10 No.94 <b>(2015)</b>		<b>Yes</b>
12	Di-Iodobis(2,2-bis(diphenylphosphanyl) - 1, 1-binaphthyl) Copper (I) catalyzed	A.K.Jain, Dnyaneshwar Nighot, R.Vadivelan, Sunil Jadhav and	<i>International</i>	<b>2016</b>	<i>International Conference IAET-2016 (Special Issue)</i>		<b>Yes</b>

	Sonogashira Reaction	Imran Ali	Conference		Vol.5 NO.1 Jan-Jun, PP- 215-217		
13	Ultrasound Assisted Convenient and Efficient Protocol for Synthesis of Dihydropyrimidene-2-thiones	Ashok S Pise and Sunil Jadhav	International Journal of Scientific Research in Science and Technology	2018	International Journal of Scientific Research in Science and Technology vol.3 Issue8,2018 (Online ISSN: 2395-602X)		Yes
14	Cu, PPh <sub>3</sub> , Based Functionalized Aromatic Organocopper Reagent Efficient in the Formation of Carbon-Carbon Bond with Epoxides	Santosh Devkate and Sunil Jadhav	International Journal of Scientific Research in Science and Technology	2017	International Journal of Scientific Research in Science and Technology vol.3 Issue8,2017 (Online ISSN:2395-602X)		Yes
15	Copper(0) an Efficient Catalyst for the Synthesis of Biologically Active 1,2-Amino Alcohols	Santosh Devkate and Sunil Jadhav	International Journal of Scientific Research in Science and Technology	2018	International Journal of Scientific Research in Science and Technology vol.3 Issue2,2018 (Online ISSN: 2395-602X)		Yes
16	Cu(MeCN) <sub>4</sub> BF <sub>4</sub> catalyzed Addition of 2-Pyridylzinc Bromide to Acid Chlorides	Ramesh Gawade, Santosh Devkate and Sunil Jadhav	International Journal of Scientific Research in Science and Technology	2017	International Journal of Scientific Research in Science and Technology vol.4 Issue 3,2017 (Online ISSN: 2395-602X)		Yes
17	Synthesis of Substituted Phenyl Acetic Acid using benzylic Organozinc Reagents and Carbon Dioxide	R.B. Gawade, A.S. Pise, S.S.Devkate and S.D.Jadhav	International Journal of chemical and Physical Sciences,	2018	International Journal of chemical and Physical Sciences, Vol.7 2018, 205-208 ISSN:2319-6602		Yes

National Publications (Before 2017 & After 2017)									
Sr. No	Title of paper	Name of the authors	Department	Name of Journal	Year of publication	ISSN number	Whether Indexed/ peer reviewed?	Impact factor if any.	Link to the recognition in UGC enlistment of the Journal
1	Ultrasound Assisted Synthesis of 1,5-Diaryl and 1,3,5-Triaryl-2-pyrazolines by Using KOH/EtOH System with Cu(I) Catalyst	Ashok S Pise and Sunil Jadhav	Chemistry	Asian Journal Of Chemistry	2017 Vol.30 No.4(2018)	-	Yes	0.9	<a href="https://doi.org/10.14233/ajchem2018.21131">https://doi.org/10.14233/ajchem2018.21131</a>
2.	Methane Sulphonic Acid Catalyzed Efficient Protocol for Synthesis of 2-Hydroxy Chalcones	Ramesh G, Sunil J and Pramod K.	chemistry	<i>Organic Chemistry : An Indian Journal</i>	2016	12(2):101 ISSN 0974-7518	yes	0.7	yes

### 15. Research Citations:

Sr. No.	Source	Citation	H-Index	i-10 Index
1	Scopus			
2	Publons/ Web of Science			
3	Google Scholar <a href="https://scholar.google.co.in/citations?user=O8GL7VgAAAAJ&amp;hl=en">https://scholar.google.co.in/citations?user=O8GL7VgAAAAJ&amp;hl=en</a>	38	02	01
4	Research Gate	38	02	01
5	ORCID	38	02	01
6	Vidwan			
7	LinkedIn <a href="https://in.linkedin.com/in/dr-sunil-jadhav-898855184">https://in.linkedin.com/in/dr-sunil-jadhav-898855184</a>	38	02	01

### 16. Books, Book chapters and papers published in conference proceedings :

International Conferences proceedings /webinar/ Workshops/ Seminars (Before 2017 & After 2017)								
Sr. No	Title of the book/ chapters published	Title of the paper	Title of the proceedings /Poster/ Oral Presentation	Name of the conference	Year of publication	ISBN/ ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1.	Organic and Inorganic Chemistry	-	-	-	2014	978-93-5158-143-7	S.M.Joshi College, Hadapsar SPPU	Success Publication Pune
2.	Chemistry for Sustainable Development	Trapping of Organomanganese Generated Enolates with an Aldehydes in the Presence of Cu(NCMe) <sub>4</sub> BF <sub>4</sub>	Chapter-9 Book	Chemistry for Sustainable Development	2012, 143-151	ISBN;978-90-481-8650-1	Dada Patil College, Karjat	Springer

National Conferences proceedings /webinar / Workshops/ Seminars (Before 2017 & After 2017)								
Sr. No	Title of the book/ chapters published	Title of the paper	Title of the proceedings /Poster/ Oral Presentation	Name of the conference	Year of publication	ISBN/ ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

### 17. Participation in International / National conferences, Webinar, Seminars, Workshops:

Sr. No.	Department	Name of conference/ Webinar, Seminars and Workshop	Level International/National/State/University	Date	Place
1	Chemistry	Hyphenated Techniques in Analytical Chemistry	International	24/08/2020	Koregaon

### 18. Resource Person/Chairperson in National/International/State/University Level conferences, Webinars, Seminars, Workshops:

Sr. No.	Department	Name of conference, Webinar, Seminars and Workshop	Role Resource Person/ Chairperson	Level International/ National/ State/ University	Date	Place
1	Chemistry	Impact of Soil Analysis in Modern Agricultural Techniques	Resource person	State level workshop	5 <sup>th</sup> Oct.2019	Dahiwadi
2.	Chemistry	Recent Trends in Chemistry	Chairperson	National Conference	18 Mar.2017	KisanVeer Mahavidyalaya,Wai

**19. Awards / Fellowship:**

Sr. No.	Level (International, National, State, University, Other)	Awards /Fellowship	Awarding Agency / Institute	Year / Duration
1.	Rayat Sanstha,Level	Appreciation letter	Rayat Shikshan Sanstha,Satara	2021

**20. Participation in Academic Events: Orientation /Refresher Courses/FDP/MOOCs/Swayam courses etc.**

Sr. No.	Organizing Institute	Event	Duration	Year	Grade Achieved
1	Goa University,Goa	Orientation Course	07/01/1994 To 03/02/1994	1994	-
2	Himachal Pradesh University Shimla	Refresher Course	25/07/1994 to 13/08/94	1994	-
3	SRTM University Nanded	Refresher Course	19/11/2001 to 16/12/2001	2001	-
4	Aligarh Muslim University,Aligarh	Refresher Course	09/01/2003 to 30/01/2003	2003	“A”

**21. Organizational Experience:**

Sr. No.	Event/program	Title	Level	Role	Date
1	Workshop	i)Impact of Soil Analysis in Modern Agricultural Techniques ii)Submission of Online AQAR Under Revised NAAC Guidelines iii)Lab.Safety Management	State level  National workshop  University	Resource person  Participation  Convener	5 <sup>th</sup> Oct.2019  Oct.2019  09/02/2016
2	Seminar	Nil	Nil	Nil	Nil
3	Conference	Nil	Nil	Nil	Nil
4	Avishkar	Avishkar Poster Model Exhibition,Rayat Inspire Project	College & District	Co-ordinator	2018-19
5	Webinar	Hyphenated Techniques in Analytical Chemistry	International	Convener	2020-21
6	Other	Innovative Cell/Lab 4 <sup>th</sup> Rayat Vidnyan Parishad YCIS-CIII project presentation	College Vaashi Satara	Co-ordinator	2018-19

**22. Any other information:**

Expertise in Soil and Water analysis and generated more than 12,000 Soil Health Cards for farmers in Raigarh District. More than Rs.10, 00,000/-consultancy work in terms of MoU with Ministry of Agriculture, Govt.of India and Govt.of Maharashtra.

A compound 2-Methyl-1-Heptene,a novel synthesis with Cu(I) catalyzed Organomanganese reaction published in 2006, a patent filed and published a patent in 2020.Its cost is more than Rs.30,00,000/- for 1Kg.