

FACULTY PROFILE

1. Name: Dr. VIJAYKUMAR SHIVAJI KOSHTI
2. Designation: Assistant Professor
3. Department : Chemistry
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8. Qualification: MSc., NET-JRF, SET, GATE, PhD. PostDoc (France)



Sr. No.	Exam/ Degree	Board / University	Subjects / Topics	Year of Passing
1	Ph.D	CSIR-National Chemical Laboratory Pune	Organic, Polymer, Organo-metallic Chemistry	2018
2	NET/SET/GATE	CSIR, UGC	Chemical Science	2011
3	P.G.	Dr. Babasaheb Ambedkar Marathwada University Aurangabad	Organic Chemistry	2011
4	U.G.	Dr. Babasaheb Ambedkar Marathwada University Aurangabad	Chemistry	2009
5	HSC	Pune Board	Science	2006
6	SSC	Pune Board	Science	2004

9. Teaching Experience:

Sr. No.	Institution	Duration	Classes Taught	Total Years
1.	D. P. Bhosale College Koregaon, Satara	Feb, 2020- present	UG, PG	02
2.	Yashawantraon Chavan Institute of Science, Satara	Oct. 2019- Feb., 2020	UG, PG	05 Months

10. Research Experience:

Sr. No.	Institution	Duration	Classes Taught	Total Years
1.	Rouen University, France	Oct. 2018- Sep.2019	Postdoctoral Fellow	01
2.	CSIR-National Chemical Laboratory Pune	July 2018- Sep.2019	Research Assistant	03 Months
3.	CSIR-National Chemical Laboratory Pune	Aug, 2012- July 2018	Ph.D. Student	06

11. Research Guidance:

(PG and Research Guide)

Sr. No.	P.G./M.Phil./Ph.D.	Year	University / Institute	No. of students awarded	No. of student working
1	Nil	Nil	Nil	Nil	Nil

12. Research Projects:

Sr. No.	Title	Govt. & Non-Govt. Funding Agency	Duration	Grant Received
1	Synthesis of catalyst and their application in organic transformation	Non-Government	01 Year	95000/-

13. Patents:

Sr. No.	Name of the Inventor	Title of Invention with application no.	Date of Filling	Date of Publications	Status
1.	Nil	Nil	Nil	Nil	Nil

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	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.	Contemporary avenues in catalytic P-H bond addition reaction: A case study of hydrophosphination,	V. S. Koshti, S. R. Gaikwad, S. H. Chikkali,	Chemistry	<i>Coordination Chemical Review (Coord. Chem. Rev.)</i>	2014	<i>Coord. Chem. Rev.</i> 2014, 265, 52–73	Yes	22.31	Yes
2.	Highly enantioselective Pd-catalyzed synthesis of p-stereogenic supramolecular phosphines, selfassembly, and implication	V. S. Koshti, N. R. Mote, R. G. Gonnade and S. Chikkali	Chemistry	<i>Organometallics</i>	2015	<i>Organometallics</i> , 2015, 34, 4802-4805	Yes	3.87	Yes
3.	The impact of modular substitution on crystal packing: the tale of two ureas	V. S. Koshti, S. H. Thorat, R. P. Gote, S. Chikka	Chemistry	<i>CrystEngComm</i>	2016	<i>CrystEngComm</i> , 2016, 18, 7078-7094	Yes	3.54	Yes

		li* and R. G. Gonnade							
4.	Self-assembly of P-chiral supramolecular phosphines on rhodium and direct evidence for Rhcatalyst-substrate interactions	V. S. Koshti, A. Sen, D. Shinde and S. Chikkali	Chemistry	<i>Dalton Trans</i>	2017	<i>Dalton Trans.</i> 2017, 46, 13966-13973	Yes	4.39	Yes
5.	H-Bonding assisted self-assembly of anionic and neutral ligand on metal: A comprehensive strategy to mimic ditopic ligands in olefin polymerization	N. R. Mote, K. Patel, D. R. Shinde, S. R. Gaikwad, V. S. Koshti, R. G. Gonnade, and S. Chikkali	Chemistry	<i>Inorg. Chem.</i>	2017	<i>Inorg. Chem.</i> 2017, 56, 12448-12456	Yes	5.16	Yes
6	Reactivity of difunctional polar monomers and ethylene copolymerization: A comprehensive account	S. Gaikwad, S. Deshmukh, V. S. Koshti, S. Poddar, R. G. Gonnade, P. R. Rajamohan and S. Chikkali	Chemistry	<i>Macromolecules</i>	2017	<i>Macromolecules</i> , 2017, 50, 5748-5758	Yes	5.98	Yes
7.	Accelerated and enantioselective synthesis of a library of p-stereogenic urea phosphines	V. S. Koshti, R. P. Gote, S. H. Chikkali	Chemistry	<i>Eur. J. Org. Chem</i>	2018	<i>Eur. J. Org. Chem.</i> 2018, 47, 6768-6779 (2021 Impact factor 3.021).	Yes	3.02	Yes
8.	Heterogenous catalysts: highly stable COF-supported	D. Mullanagi, D. Chakra	Chemistry	<i>Small</i>	2018	<i>Small</i> , 2018, 14, 37, 201870169	Yes	13.2	Yes

	Co/Co(OH) ₂ nanoparticles heterogeneous catalyst for reduction of nitrile/nitro compounds under mild conditions	borty, A. Pradeep, V. S. Koshti, C. P. Vinod, S. Panja, S. Nair, R. Vaidyanathan							
9.	Z-Selective Pd-catalyzed 2,2,2-trifluoroethylation of acrylamides at room temperature,	Louise Ruyet, Maria I. Lapuh, Vijay S. Koshti, Tamas Földesi, Philippe Jubault, Thomas Poisson, Zoltán Novák and Tatiana Besset	Chemistry	Chem. Comm	2021	Chem. Comm., 2021 DOI: 10.1039/d1cc02007b	Yes	6.2	Yes
10.	Ni-catalyzed highly enantioselective synthesis of sulfur protected P-stereogenic supramolecular phosphine	Vijay S Koshti, Amol C Chandanshive, Nilesh R Mote, And Samir H Chikhalil	Chemistry	J. Chem. Sci.	2021	J. Chem. Sci. (2021) 133:119	Yes	1.57	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.	Ni-catalyzed highly enantioselective synthesis of sulfur protected P-stereogenic supramolecular phosphine	Vijay S Koshti, Amol C Chandanshive, NileshR Mote, And Samir H Chikkali	Chemistry	<i>J. Chem. Sci.</i>	2021	<i>J. Chem. Sci.</i> (2021) 133:119	Yes	1.57	Yes

15. Research Citations:

Sr. No.	Source	Citation	H-Index	i-10 Index
1	Scopus https://id.elsevier.com/settings/redirect?code=rD-J44LA-oc-c2y2h0GbwNomzZUerhPQ7zcJG_F1			
2	Publons/ Web of Science			
3	Google Scholar https://scholar.google.com/citations?user=VkCr3WQAAAAJ&hl=en	283	7	5
4	Research Gate https://www.researchgate.net/profile/Vijaykumar-Koshti	283	7	5
5	ORCID https://orcid.org/0000-0002-6561-8640	283	7	5
6	Vidwan https://vidwan.inflibnet.ac.in/profile/254596			
7	LinkedIn https://in.linkedin.com/in/vijaykumar-koshti-8a44856a	283	7	5

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.	Chapter 8: Noncovalent Interactions in Hydrogenation and Hydroformylation	-	-		2018	DOI:ISBN: 978-1-78801-468-7.	CSIR-NCL Pune	The Royal Chemical Society
2.	Poster presentation		"Enantioselective synthesis of p-stereogenic	The Netherlands	6-8 March 2017.		CSIR-NCL, Pune,	

			supramolecular phosphines and their application in asymmetric hydrogenation”	Catalysis and Chemistry Conference-XVIII (NCCC) at the Netherlands			India.	
3.	Poster presentation		“Enantioselective synthesis of <i>p</i> -stereogenic supramolecular phosphines and their implication in asymmetric hydrogenation”	International Conference on Organic synthesis (ICOS-21) held on at IIT Mumbai, India.			CSIR-NCL, Pune, India.	11-16 December 2016
4	Poster presentation		“Enantioselective synthesis of <i>p</i> -stereogenic supramolecular phosphines and their implication in catalysis”	International Conference on Structural and Inorganic Chemistry CSIR-NCL, Pune, India.			CSIR-NCL, Pune, India.	4-5 December 2014
5			Enantioselective synthesis of <i>p</i> -stereogenic supramolecular phosphines and their implication in catalysis”.	International Symposium on Modern Trends in Inorganic Chemistry-XV (MTIC-XV) at IIT Roorkee, India				December 13-16, 2013

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
1.	Oral Presentation		Enantioselective synthesis of <i>p</i> -stereogenic supramolecular phosphines and their application in asymmetric hydrogenation”	Macro meet-2	27 January 2017		CSIR-National Chemical Laboratory held on at Pune	
2	Oral Presentation		“Enantioselective synthesis of <i>p</i> -stereogenic supramolecular phosphines and their implication in catalysis”	National Science Day, NCL Research Foundation at CSIR-NCL, Pune, India.	February 25-26, 2014			
3.								

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	Institute for Academic Excellence Hyderabad	Awareness workshop NIRF India Rankings-2021 for Higher Educational Institute	National	18-19 th Jan 2021	Online
2	Chemistry	“Recent Trends in Chemistry”	National	27 th June 2020	Online
3	D. P. Bhosale college Koregaon Satara Maharashtra B. Voc. (Sustainable Agriculture)	National Web-Seminar On “Challenges in Sustainable Agriculture”	National	4 th July 2020	Online
4	Chemistry Rajaram College Kolhapur	Academic Integrity and Quality Measuring Tools in Research and Publication	National	31 st May 2020	Online
5	Department of Chemistry, JVM's Degree College	‘VIRTUAL INTERNATIONAL CONFERENCE ON MULTIFUNCTIONAL ADVANCED MATERIALS (VICMAM-2021)’	International	10 th Aug 2021	Online

6	D. P. Bhosale college koregaon Satara Maharashtra Department of Physics and IQAC	International Web-Seminar on "Recent Trends in Nanostructured Materials Based Devices and Their Applications"	International	18 th July, 2020	Online
7	Department of Chemistry, Dr. Ghali College, Gadhinglaj	Revised Syllabus of B.Sc. III Chemistry (CBCS) Paper No. X & XIV	University	27 th Jan 2021	Online
8	Dept. Chemistry St. Mary's College Thoothukudi – Tamilnadu, India	International Webinar on Bioinformatics in Microbiome Research & Climate, Biomes and India	International	17 th May 2020	Online
9	American Chemical Society	2 nd International Conference on Crystal Engineering: From Molecule to Crystal	International	19-20 th June 2020	Online
10	Department of Computer Application and Department of Mathematics in association with IQAC D. P. Bhosale college koregaon Satara Maharashtra	Role of Cyber Security During & After COVID-19	National	22 nd July 2020	Online
11	Department of Commerce association with IQAC D. P. Bhosale college koregaon Satara Maharashtra	National Web-Conference on "EMERGING BUSINESS REFORMS ON THE BACKDROP OF COVID-19"	National	31 st July 2020	Online
12	Department of Library D. P. Bhosale college koregaon Satara Maharashtra	"Libraries' Role in NAAC Process"	National	21 th Feb 2022	Online
13	Department of Chemistry and Microbiology, Seth Kesarimal Porwal College of Arts and Science and Commerce, Kamptee Nagpur, Maharashtra India	International webinar on 'Researching and Writing a Masters Dissertation'	International	25 th May 2020	Online
14	Department of Botany with Internal Quality Assurance Cell,	National e-Seminar on "Biodiversity of India: An Overview"	National	20 th July 2020	Online

	D. P. Bhosale College, Koregaon, Satara				
15	Department of Zoology, DAV College, Jalandhar	“Neural circuits for escape and exploratory behavior”	National	15 th July 2020	Onli ne
16	Department of Chemistry & Internal Quality Assurance Cell of D. P. Bhosale College, Koregaon, Satara (MS), India	“HYPHENATED TECHNIQUES IN DETECTION OF SMART MATERIALS”	International	11 th July 2020	Onli ne

18. Resource Person/Chairperson in National/International/Sate/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	Department of Botany with Internal Quality Assurance Cell, D. P. Bhosale College, Koregaon, Satara	National e-Seminar on “Biodiversity of India: An Overview”	Chairperson	National Level	20 th July 2020	Online
2	Department of Commerce association with IQAC D. P. Bhosale college koregaon Satara Maharashtra	National Web-Conference on “EMERGING BUSINESS REFORMS ON THE BACKDROP OF COVID-19”	Chairperson	National	31 st July 2020	Online
3	Department of Computer Application and Department of Mathematics in association with IQAC D. P. Bhosale college koregaon Satara Maharashtra	Role of Cyber Security During & After COVID-19	Chairperson	National	22 nd July 2020	Online
4	D. P. Bhosale college Koregaon Satara Maharashtra Department of Physics and IQAC	International Web-Seminar on "Recent Trends in Nanostructured Materials Based Devices and Their Applications“	Chairperson	International	18 th July, 2020	Online

5	D. P. Bhosale college koregaon Satara Maharashtra B. Voc. (Sustainable Agriculture)	National Web- Seminar On “Challenges in Sustainable Agriculture”	Chairperson	National	4th July 2020	Online
6	Department of Library D. P. Bhosale college koregaon Satara Maharashtra	“Libraries’ Role in NAAC Process”	Chairperson	National Level	21 st Feb 2022	Online
7						

19. Awards / Fellowship:

Sr. No.	Level (International, National, State, University, Other)	Awards /Fellowship	Awarding Agency / Institute	Year / Duration
1.	IFCPAR/CEFIPRA funding grant (October 2018-March 2020), for postdoctoral research in University of Rouen, France.	Fellowship	University of Rouen, France.	October 2018-March 2020
2.	International Travel Grant (March 2017): Science and Engineering Research Board (SERB)-DST, INDIA travel grant to present research work in 18 th Netherlands Catalysis and Chemistry Conference (NCCC) held on 6 th -8 th March 2017 at Noordwijkerhout, Netherlands.	Award	Science and Engineering Research Board (SERB)-DST, INDIA	on 6 th -8 th March 2017
3.	Senior Research Fellowship (SRF) (July 2014-July 2017): Awarded by Council of Scientific and Industrial Research (CSIR), New Delhi, India in the field of chemical science.	Fellowship	Council of Scientific and Industrial Research (CSIR), New Delhi, India	July 2014- July 2017
4.	Junior Research Fellowship (JRF) (July 2012-July 2014) through the CSIR-UGC-JRF/LS examination conducted jointly by Council of Scientific and Industrial Research (CSIR) and University Grants Commission (UGC), Govt. of India. One among the top 20% of the students qualified in (CSIR-UGC-JRF/LS).	Fellowship	Council of Scientific and Industrial Research (CSIR) and University Grants Commission (UGC), Govt. of India.	July 2012- July 2014
5.	Graduate Aptitude Test in Engineering (GATE) Feb 2012 is an examination conducted jointly by the Indian Institute of Science (IISc), Bangalore and the Indian Institutes of Technology, India.	Award	Indian Institute of Science (IISc), Bangalore and the Indian Institutes of Technology, India.	Feb 2012

6.	National Eligibility Test (NET) Dec 2011: Joint Council of Scientific and Industrial Research-University Grants Commission, New Delhi, Research Fellowship and Eligibility for Lectureship.	Award	Council of Scientific and Industrial Research-University Grants Commission, New Delhi	Dec 2011
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20. Participation in Academic Events: Orientation /Refresher Courses/FDP/MOOCs/Swayam courses etc.

Sr. No.	Organizing Institute	Event	Duration	Year	Grade Achieved
1	FDP MHRD PMMMMNM	"Faculty in Universities/Colleges/Institutes of Higher Education"	4 Week	2020	A+
2.	FDP Swami Ramanand Teerth Marathwada University, Nanded	ICT Tools for Effective Teaching Learning	6 Days	2020	A+
3.	FDP VINAYAKRAO PATIL MAHAVIDYALAYA, VAIJAPUR	'NAAC Assessment & Accreditation (A&A) for Affiliated Colleges'	6 Days	2020	A+
4.	MHRD	Higher Education"	1 days	2020	A+
5.	FDP MHRD and Mahatma Gandhi National Council of Rural Education	Case Discussion Methodology for Bachelor of Business Administration in ruler management	5 Days	2020	A+
6.	FDP MHRD PMMMMNM	MANAGING ONLINE CLASSES and CO-CREATING MOOCs:2.0"	16 days	2020	A+
7.	UGC-HRDC S P Pune University	Refresher Course in Chemistry	15 days	2021	A+

21. Organizational Experience:

Sr. No.	Event/program	Title	Level	Role	Date
1	Workshop				
2	Seminar				
3	Conference	"HYPHENATED TECHNIQUES IN DETECTION OF SMART MATERIALS"	International	Co-coordinator	11 th July 2020
4	Avishkar				
5	Webinar				
6	Other				