

CURRICULUM VITAE (C.V.)



Name and full correspondence address: **Dr. Sharda Prabhakar Dagade**
Department of Chemistry,
Yashwantrao Mohite College,
Paud Road, Kothrud, Pune 411038

Email(s) and contact number : **dagade@rediffmail.com**, 9860382361

Educational Qualifications : **M. Sc (Organic Chemistry), Ph. D**

Ph.D thesis title: Nitration of Aromatics over Solid Acid Catalysts

Guide's Name: Dr. M. K. Dongare

Institute/Organization work done : National Chemical Laboratory, Pashan, Pune 411008

Teaching Experience:

A) Under-Graduate Level : 13years

B) Post-Graduate Level : 13years

Awards and Honours:

- Chairman, Board of Studies from 2011-2013, currently member of BOS
- Research Guide, since 2010 of BVDU
- Received best poster award for the paper presented in International Conference at Jath College.
- **Received** UGC grants Rs. 14,12,577/- for Major Research Project entitled 'Synthesis and characterization of solid acid catalysts based on supported nano-crystalline ceria and molybdenum / silica oxides and study their catalytic activity.'. (2011-2014)
- Life Member, Indian Science Congress Society, Calcutta

Editorial Board member of International Journals:

- **Member, Editorial Board**, Asian Journal of Applied Science and Technology (ISSN 2456-883X) (<http://www.ajast.net>)

RESEARCH EXPERIENCE:

i) Ph. Ds successfully completed under the supervision and guidance:

Sr.	Name of the scholar	Topic of the research	Date of Declaration
1.	Mr. Mahind Lalaso Hari	Comparative study of physico-chemical properties, catalytic and microbial study of metal salen complexes	02/06/2014
2.	Mr. Mane Vinod Bhanudas	Solid acid catalysts based on supported Nano-crystalline Ceria	28/11/2016

ii) Ph. D. Scholars registered for supervision and guidance:

Sr.	Name of the scholar	Topic of the research
1.	Jaymala Mohan Deshmukh	Synthesis, characterization and catalytic activity of molybdenum based solid acid catalysts
2.	Amal A. Muftah	Syntheis, Characterization and catalytic activity of mixed oxide catalysts through green approach

Publications :

SR. No	Author(s)	Title	Name of Journal	Vol.	Page	Year
1.	Bhide Gauri, Kalyankar Vidya, Dagade Sharda and Waghmode Shobha	Synthesis and Characterization of Ag/AgO nanoparticles as alcohol sensor	Research Journal of Chemistry and Environment ISSN: 2278 - 4527	20 (10)	1-5	October 2016
2.	Jayamala M. Deshmukh, L.H. Mahind, Shobha	Study of catalytic activity silica supported Schiff base	Asian Journal of Chemistry	29(7)	1455 - 1458	May 2017

	A Waghmode and Sharda P. Dagade*	complexes				
3.	Pawar S, Kalyankar V, Dhamangaonkar B, Dagade Sharda, Waghmode S,A.Cukkemane	Biochemical profiling of antifungal activity of betel leaf (Piper betle L.) extract and its significance in traditional medicine	Journal of Advanced Research in Biotechnology (J Adv Res Biotech)	2(1)	1-4	2017
4.	Vinod B. Mane, Jayamala M. Deshmukh, Shobha A Waghmode and Sharda P. Dagade*	Surface Characterization and Catalytic Activity of CobaltPromoted MoO3/SiO2 Solid Acid Catalysts	International Journal of ChemTech Research	8(8),	310-317	2015
5.	V. B. Mane and S. P. Dagade*	Fridel-Crafts benzylation over transition metal oxides supported on ceria	Der Pharma Chemica	7(8)	94-101	2015
6.	J. M. Deshmukh, K. J. Devkar, S. S. Mane, S. J. Sutar, V. B. Mane, S. A. Waghmode, S. P. Dagade*	One-pot synthesis of benzimidazole derivatives by using solid acid catalysts at room temperature	Bionano frontiers, ISSN:0974-0678	8(3)	27-28	2015
7.	S. P. Dagade et al	Comparative Study of 1, 2-Naphthoquinone oximes and their Cu (II) metal chelates	Asian Journal of Multidisciplinary Studies	3(12),	27-31	2015
8.	S. P. Dagade et al	Antimicrobial activity of Mg metal chelates of 1,2-Naphthoquinone oxime derivatives	Asian Journal of Multidisciplinary Studies	4(3),	35-38	2016
9.	SiddhipradaShete, ShriyaShende, Ketaki Bhagwat,	Green synthesis of silver chloride nanoparticles by using <i>rosamacdubpetal</i>	International Journal of Biosciences and Nanosciences	1 (5),	96-99.	2014

	ShardaDagade , Neelima Deshpande and ShobhaWaghmo de	extract	ISSN: 2349- 5251			
10.	Kalyankar V. K., Dagade S.P and Waghmode S. A	Biosynthesis of Silver nanoparticles using isolated superoxide dismutase enzyme from novel source <i>Papaverumsomniferum L.</i>	Research Journal of Chemistry and Environment ISSN: 2278 - 4527	19 (3),	44- 48	2015
11.	OmkarPawar, Neelima Deshpande, ShardaDagade , ShobhaWaghmo de&Preeti Nigam Joshi	Green synthesis of silver nanoparticles from purple acid phosphatase apoenzyme isolated from a new source <i>Limoniaacidissima</i>	J of Expt. Nanoscience.	10,	738	2015
12.	S. P. Dagade , V. B. Mane and K. D. Jadhav	Hydroamination of Phenyl acetylene catalyzed by Cu/Mo/SiO ₂ mixed oxide catalysts	Indian Patent Office Journal			2015
13.	V.B. Mane, S. P. Chavan, R. J. Sayyad, J. M. Deshmukh, S. A. Waghmode & S. P. Dagade *	Liquid phase oxidation of benzhydrol by using nano crystalline iron supported on ceria mixed oxide catalysts	Res. J. Pharm., Biol. Chem. Sci.	5(5)	-	2014
14.	Sharda P. Dagade *, V.B. Mane, Mahind Lalaso, S.A. Waghmode, K. D. Jadhav, M. K. Dongare	Nitration of Benzene Using Mixed Oxide Catalysts	IOSR Journal of Applied Chemistry	7(7)	50- 57	2014
15.	S. P. Dagade et al	Peroxidase activity using silver nanoparticles using	Bionano frontiers, ISSN:0974-0678	6(8)	66- 69	2013

		green approach				
16.	V. B. Mane, L. H. Mahind, K. D. Jadhav, S. A. Waghmode and S. P. Dagade	Structural Characterization of Nanosized Fe ₂ O ₃ -CeO ₂ catalysts by XRD, EDX and TEM Techniques	Carbon – Science and Technology (Applied Science Innovations Pvt. Ltd., India)	5/2	260 - 264	2013
17.	ShobhaWaghmode, PoojaChavan, VidyaKalyankar, and Sharda Dagade	Synthesis of Silver Nanoparticles Using <i>Triticumaestivum</i> and Its Effect on Peroxide Catalytic Activity and Toxicology	Journal of Chemistry, (Hindawi Publishing Corporation)	2013, ID 265864	5	2013
18.	SatishIngale, Rajendra Kankariya, V. V. Dhapte, A. B. Pawar, V. B. Jadhav, S. P. Dagade	Comparative Study of Physico-Chemical Properties of 17% Root Canal Lubricant: Self Developed vs. Commercially Available	International Journal of Pharmaceutical Sciences Review and Research	21(2), 34	186-188	2013
19.	S. P. Dagade , V. B. Mane, A. A. Jape, S. A. Waghmode, V.V. Dhapte, L. H. Mahind	Synthesis, Characterization and Antimicrobial Study of Cr (III), Mn(II), Y(III) and Zr(IV) Schiff Base Complexes.	International Journal of Chemical and Analytical Science,	3(12)	1672 - 1674	2012
20.	L. H. Mahind, S.AWaghmode, AvinashNawale, V. B. Mane and S. P. Dagade	Evaluation of Antimicrobial Activities of Zirconium (IV) Complex	IOSR Journal of Pharmacy and Biological Sciences,	5(4)	102-105.	2013
21.	Dagade, S.P. ; Jape, A.A.	Synthesis characterization, Antimicrobial and catalytic activity of Fe(II), Ni (II), Cu(II) and Co(II) Schiff base	Intl. J. Chem. Sc.,	8(4)	2655 - 2660	2010

		complexes				
22.	S.B. Umbarkar, A.V. Birader, S. M. Mathew, K. M. Malshe, P.T. Patil Sharda P. Dagade , and M. K. Dongare,	Vapor phase nitration of benzene using mesoporous MoO ₃ /SiO ₂ solid acid catalysts	Green Chemistry	8 (5)	488-493	2006
23.	Rajesh K. Pandey, Sharda Dagade , Kusum Malase, Sachin S ongire, Pradeep Kumar	Synthesis of ceria-yttria based strong Lewis acid heterogeneous catalyst: Application for chemoselective acylation and ene reaction	J. Mol. Catal. A: Chemical	245, (1-2)	255-259,	2006
24.	P. T. Patil, K. M. Malshe, Sharda P. Dagade & M. K. Dongare	Regioselective nitration of o-xylene to 4-nitro o-xylene using nitric acid over solid acid catalysts,	Catalysis Commun.,	4(8)	429-434	2003
25.	R. K. Pandey, S. P. Dagade , M. K. Dongare and Pradeep Kumar	Synthesis of carbamates using yttria/zirconia based Lewis acid catalyst	Synth. Commun.	33,	4019	2003
26.	Sharda P. Dagade , S. B. Waghmode, V. S. Kadam and M. K. Dongare,	Vapor phase nitration of toluene using dilute nitric acid and molecular modeling studies over beta zeolite,	Applied Catalysis A: General,	226	49-61	2002
27.	Sharda P. Dagade , V. S. Kadam and M. K. Dongare,	Regioselective nitration of phenol over solid acid catalysts,	Catalysis Commun.	3	67-70	2002
28.	R. K. Pandey, M. K. Dongare, Pradeep Kumar, M. Bodas & Sharda P.	Acylation of alcohols, thiols and amines with carboxylic acids catalyzed by yttria-zirconia based Lewis	J. Mol. Catal. A,	181	207-213	2002

	Dagade	acid,				
29.	R. K. Pandey, Sharda Dagade , R. K. Upadhyay, M. K. Dongare and Pradeep Kumar	A facile procedure for <i>tert</i> - butoxycarbonylation of amines promoted by yttria-zirconia based strong Lewis acid catalyst	ARKIVOC,	(viii)	28- 33	2002
30.	D Bazin, L Guczi, J Lynch, MP Casaletto, L Lisi, G Mattogno, FW Chang, MT Tsay, MS Kuo, CM Yang, SP Dagade, SB Waghmode, VS Kadam, MK Dongare, WS Dong, HS Roh, KW Jun Grutle, D Chadwick, T Ikeda, SR Kirumakki, N Nagaraju, KVVBSR Murthy, S Narayanan	The role of diffusion in alkyl-benzenes catalytic crack-ing 139	Applied Catalysis A: General	226	341- 342	2002

Patents List:

1.	Process for the preparation of dihydroxydiphenylmethane. A. P. Singh and Sharda P. Dagade US Patent No. 6, 492, 566 , Dec. 2002.
2.	Hydroamination of Phenyl acetylene catalyzed by Cu/Mo/SiO ₂ mixed oxide catalysts S.P. Dagade , V.B. Mane and K.D. Jadhav, Indian patent application no. 2012/MUM/2014
3.	Synthesis of lipase mediated metal nanoparticles as selective destaining detergents S. A. Waghmode, S. P. Dagade , V. K. Kalyankar Indian patent application no. 201721019044, 31/05/2017

14. Papers Presented in the International/National Conferences:

Sr	Name of the Author	Theme of the Conference	Title of Research Paper	Location	Date
1.	Dr. Sharda P. Dagade	International conference on advances in material science	Natural cellulosic fiber as a humidity sensor” in International Conference (ICAMS) Jath.	Raje Ramrao Mahavidyalaya, Jath, Dist. Sangali	7-8 December 2016
2.	Dr. Sharda P. Dagade	Recent Trends in physical, Chemical and Biosciences	Cu-Ni bimetallic nano particle catalysed Heck Coupling	Vidya Pratishthan’s Arts, Science and commerce college, Baramati, Dist. Pune	16 th & 17 th Dec. 2016
3.	Dr. Sharda P. Dagade	3 rd International Conference on Herbal and Synthetic Drug Studies (HSDS-2016), Pune,.	Synthesis, Characterization and antimicrobial activities of 1, 2-Naphthoquinone oxime and their metal chelates	Azam Campus, Pune	Jan 7-9, 2016
4.	Dr. Sharda P. Dagade	ICAAM 2016” with theme “ Asian Medicine : Global Health” on Advances in Asian Medicine	Synthesis, Characterization and antimicrobial activities of 1,2-Naphthoquinone oximes and their metal chelates	BVU, Poona College of Pharmacy and Society for Ethnopharmacology, India, Place- Orchid Hotel, Pune	4 th January 2016
5.	Dr. Sharda P. Dagade	Interface between colleges and industry with reference to synthetic organic chemistry and spectroscopy	Tagging of 2-amino 1,4-naphthoquinone with silver nanoparticles using green approach and its biological assay	R. B. Narayanrao Borawake College, Shirampur	15 th & 16 th Jan. 2016
6.	Dr. Sharda P. Dagade	International Conference on contemporary research in chemical and life sciences	One-pot synthesis of benzimidazole derivatives by using solid acid catalysts at room temperature	SGM college, Karad, Satara	22 nd and 23 rd April 2015
7.	Dr. Sharda P. Dagade	2 nd International symposium on physics and technology of sensors	Humidity sensor of size modified cellulosic natural fiber.	C-Met, Pune	8 th -10 th March 2015
8.	Dr. Sharda P. Dagade	International Conference on Structural and Inorganic	Synthesis, characterization and catalytic activity of Nano crystalline Co/CeO ₂	CSIR-NCL, Pune	December 04-05, 2014,

		Chemistry	mixed oxide catalyst		
9.	Dr. Sharda P. Dagade	International conference on current trends in medicinal plant research	Synthesis characterization, Antimicrobial study & catalytic activity Cr(II), Mn(II), Y(III&Zr (II) Schiff Base Complexes	University of Pune, Department of Botany	10-12 Jan 2012
10.	Dr. Sharda P. Dagade	National seminar on new challenges in chemistry & Nanoscience	Comparative study of synthesis, characterizations, antimicrobial study of Ti(IV) & Zr(IV) Schiff base complexes	BVDU, Y.M .College Pune	13-14 Feb 2012
11.	Dr. Sharda P. Dagade	II nd International conference on Trends in chemical science going beyond Frontiers	Synthesis, characterization & antimicrobial study of Cr (III) & Mo (III) Schiff base complexes	Malaysia	10-12 June 2012
12.	Dr. Sharda P. Dagade	“Nanocon 012”, II nd International Conference on nanotechnology – Innovative Materials, Processes, Products and Applications,	Structural Characterization of Nanosized Fe ₂ O ₃ -CeO ₂ Catalysts by XRD, EDX, and TEM Techniques	Bharati Vidyapeeth Deemed University, Pune in association with TUSKEGEE University USA, JSNN USA, C-MET India.	18 th -19 th Oct. 2012
13.	Dr. Sharda P. Dagade	2 nd International Conference on Herbal and Synthetic Drug Studies, (HSDS-2014)	Synthesis and Antimicrobial Activity of Zr (IV) And Cr (VI) Schiff Base Complexes	Azam Campus, Pune	10 th to 12 th Feb. 2014
14.	Dr. Sharda P. Dagade	International workshop on Nanotechnology and Advanced Functional Materials (NTAFM 2013)	Surface Characterization of Nano crystalline Co/CeO ₂ Solid Acid Catalysts by XRD and Other Techniques	NCL, Pune	July 24-25, 2013

15.	Dr. Sharda P. Dagade	National Conference on Emerging Trends in Lasers and Advanced Materials	Peroxidase activity using silver nanoparticles using green approach	Garware College, Pune	28-29 th Oct. 2013
16.	Dr. Sharda P. Dagade	National Conference on "New Developments in Chemistry"	Synthesis, Characterization, Antimicrobial and Catalytic activity of Fe(II), Ni(II), Cu(II) and Co(II) Schiff base complexes	BJS College Arts, Science & Commerce, Wagholi, Pune.	4 th -6 th Feb. 2010

15. Papers abstracted in the International Conferences

Sr	Name of the Author	Theme of the Conference	Title of Research Paper	Location	Date
1.	Dr. Mrs. Sharda P. Dagade	99 th Indian Science congress	Vapour phase nitration of benzene using solid acid catalysts	KIIT University Bhubanaeshwar	3-7 Jan 2012
2.	Dr. Mrs. Sharda P. Dagade	17 th International conference on expanding Horizons in chemical & biological science Innovation cross road (ISCBC-2012)	Comparative study of synthesis of characterization ,antimicrobial study of Ti(IV), Zr(IV), &Hf(IV) Schiff base complexes	Solapur university, Solapur	21-24 Jan 2012
3.	Dr. Mrs. Sharda P. Dagade	VI th International Symposium, Nanobio Materials Synthesis And Characterization (ISBN: 978-93-82563-36-5) published	Surface characterization of cobalt promoted MoO ₃ /SiO ₂ solid acid catalysts by XRD and other techniques	MAM-2012 at Coimbatore. India.	21 st -25 th Nov. 2012.
4.	Dr. Mrs. Sharda P. Dagade	II nd International Conference on Emerging trends in Chemical Sciences,	Synthesis and Characterization of Schiff Base Complexes.	Solapur university , Solapur	2 nd -4 th Nov. 2012
5.	Dr. Mrs. Sharda P. Dagade	National Conference on Chemistry of Chalcogens (NC ³ -2013)	Efficient Oxidation Catalysis by Model Complex of Super Oxide Dismutase	Defence Institute of Advanced Technology (DIAT),Pune	14-15 January 2013

Special Academic Contribution:

- a. **Coordinator** of UGC sponsored National Conference on ‘New Challenges in Chemistry and Nano Sciences’. (13-14 February, 2012).
- b. **Coordinator** of UGC sponsored National Conference on ‘Recent Trends in Chemical and Material Sciences’. (12-13 January 2013).
- c. **Coordinator** of UGC sponsored One day National Workshop in Analytical Chemistry. (17th September 2013).
- d. **Guided** more than 40 research projects of M.Sc. Analytical and Organic Chemistry Programme since 2006
- e. **Editor**, Abstract Book entitled ‘New Challenges in Chemistry and Nano Sciences’ published on 13th February, 2012.
- f. **Convenor**, Ladies Association of Yashwantrao Mohite College (LAY), Pune. (Since 2011).
- g. Worked as Expert at Pre Ph.D presentation at Pune University.

ORIENTATION / REFRESHER COURSE ATTENDED:

Name	Duration	Sponsoring Agency
Orientation Course	04/01/2011 to 31/01/2011	Academic Staff college, University of Pune, Pune
Refresher Course	1/10/2015 to 21/10/2015	Academic Staff college, University of Pune, Pune
Refresher Course	1/11/2016 to 21/11/2016	Academic Staff college, University of Pune, Pune