



**Dr. GADEKAR LAKSHMAN SANDURAO**

**Assistant Professor in Chemistry**

**Department of Chemistry,  
Navgan Shikshan Sanstha Rajuri's  
Vasantdada Patil Arts, Commerce & Science College, Patoda  
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# CURRICULUM VITAE

**Dr. Gadekar Lakshman Sandurao**

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## PERSONAL INFORMATION

- 1. Name (in Block Letters) : Dr. Gadekar Lakshman Sandurao**
- 2. Department : Chemistry**
- 3. Current Designation : Assistant Professor**
- 4. College : Vasantdada Patil College Patoda, Dist. Beed.**
  
- 5. University : Dr. Babasaheb Ambedkar Marathwada  
University, Aurangabad.**
- 6. Date of Appointment : 19/10/2011**
- 7. Date of Birth : 28/06/1982**
- 8. Sex : Male**
- 9. Marital Status : Married**
- 10. Nationality : Indian**
- 11. Languages Known : Marathi, Hindi, English**
- 12. Email-Address : lsgadekar@rediffmail.com**
- 13. Phone No. : 08275387196/08459251337**
- 14. Qualification : M.Sc., Ph.D (Chemistry)**

### Academic Qualification Details

Course/Degree	Name of The Board/University	Year of Passing	Percentage	Division/ Class/ Grade
S.S.C.	CBSE	Mar.1998	75.00	I
H.S.C.	CBSE	Feb.2000	66.60	I
B.Sc.	Dr. B.A.M.U. Aurangabad	Mar.2004	73.84	I
M.Sc.	Dr. B.A.M.U. Aurangabad	Mar.2006	68.58	I
Ph.D.	Dr. B.A.M.U. Aurangabad	May 2010	-	Award
MSCIT	MKCL	April-2011	79.00	I

### Teaching Experience

Sr.No	Name of Institution	PG/UG	Year	Duration
1	V.P. College Patoda	UG	11.5 Year	19/10/2011 to Till date
2	V.P. College Patoda	PG	7 Year	15/06/2015 to Till date

### Faculty Development Programmes

Sr. No.	Name of Course	Place	Dates
1	Refresher Course	UGC-ASC, DR. B.A.M.U. Aurangabad	28-10-2014 to 19-11-2014
2	Orientation Course	UGC-HRDC. DR. B.A.M.U. Aurangabad	25-04-2016 to 20-05-2016
3	Faculty development programme (Two Week)	Teaching Learning Centre Ramanujan College University of Delhi (PMMMNMTT,MHRD Gov. Of India)	12-08-2020 to 25-08-2020  (14 Days)
4	Faculty development programme (Two Week)	Teaching Learning Centre Ramanujan College University of Delhi and Motilal Nehru College(E) University of Delhi (PMMMNMTT,MHRD Gov. Of India)	01-09-2020 to 14-09-2020  (14 Days)

5	Online One Week National Workshop (One Week)	Jagadguru Rambhadracharya Divyang University, Chitrakoot	03-08-2020 to 08-08-2020 (06 Days)
6	Faculty Development Programme (Two day)	The Jumpstart , PVP College Patoda	18-19 Sept 2019

## Research Publication

Sr. No	Title of the Paper	National/ International	Page No	ISBN/ISSN	Impact Factor
1	Modification, characterization and catalytic potency of modified natural zeolite for Knoevenagel Condensation reaction.	Bulletin of the Catalysis Society of India,.	7 (2008) 79	2347-5382	Peer Reviewed
2	Scolecite as a novel heterogeneous acid catalyst for an efficient synthesis of 3,4-dihydropyrimidin-2(1H)-ones <i>via</i> multi-component Biginelli reaction	Catalysis Letters	125 (2008) 57.	1011-372X Print	2.555
3	Sulphonated MCM-41 as an efficient and reusable catalyst for the synthesis 14-aryl-14H-dibenzo [a, j] xanthenes under solvent free condition	Rasayan Journal of Chemistry,	1(4), (2008) 865	0974-1496	UGC Approved
4	AlPO <sub>4</sub> –Modified natural zeolite catalyzed facile synthesis of 5-arylidene-2, 4-thiazolidinediones	Organic Chemistry: An Indian Journal,	9-11 (2009) 458.	0974-7516 Print	0.36
5	Scolecite as an efficient heterogeneous catalysts for the synthesis of 2,4,5-triarylimidazoles	Central European Journal of Chemistry,.	7(3) (2009) 550	1895-1066	1.511
6	Scolecite catalyzed facile and efficient synthesis of polyhydroquinoline derivatives through Hantzsch multi-component condensation	Bulletin of Korean Chemical Society	30 (11) (2009) 2532.	0253-2964	0.611
7	An efficient and eco-friendly Ce <sub>1</sub> Mg <sub>x</sub> Zr <sub>1-x</sub> O <sub>2</sub> solid heterogeneous catalyst for the synthesis of 2,4,5-triarylimidazole derivatives	Bulletin of the Catalysis Society of India,	8 (2009) 16.	ISSN: 2347-5382	Peer Reviewed
8	Extractive spectrophotometric determination of ruthenium with 4-(benzylideneimino)-5-methyl-4H-1,2,4-triazole-thiol	Journal of Indian Chemical Society	86 (2009) 109.	0019-4522	0.24
9	ZnO-beta zeolite mediated a simple and efficient method for the one-pot synthesis of quinoxaline derivatives at room temperature	Central European Journal of Chemistry	8(2) (2010) 320.	1895-1066	1.511

10	ZnO-beta zeolite: As an effective, reusable and eco-friendly heterogeneous catalyst for the synthesis of benzothiazole derivatives	Chinese Chemical Letters.	21 (2010) 421	1001-8417	4.632
11	Eco-friendly synthesis of benzimidazole derivatives using solid acid scolecite catalyst	Chinese Chemical Letters	21 (2010) 1053.	1001-8417	4.632
12	ZnO-beta zeolite: as an effective and reusable heterogeneous catalyst for the one-pot synthesis of polyhydroquinolines	Green Chemistry Letters and Reviews.	3(4) (2010) 287	1751-7192	3.963
13	Fly ash: an efficient and green catalyst for the synthesis of 2,4,5-triaryl-1H-imidazole derivatives using microwave.	Journal of Basic and Applied Sciences,	2012, 1, 38	ISSN: 2229-3309	--
14	A facile synthesis of 5-arylidene barbituric/ thiobarbituric acid derivatives catalyzed by NaOH/ fly ash.	Organic Chemistry: An Indian Journal,	2012, 8(10), 386	0974-7516 Print	0.36
15	Rapid and efficient synthesis of benzimidazole derivatives using AlPO <sub>4</sub> -stilbite zeolite.	Bulletin of the Catalysis Society of India,	2012, 11(2), 33	ISSN: 2347-5382	Peer Reviewed
16	One pot synthesis of amidoalkyl naphthols using fly ash as a heterogeneous catalyst.	Journal of Basic and Applied Sciences,	2012, 8, 27	ISSN: 2229-3309	--
17	Microwave assisted synthesis of 1,2,4,5-tetrazine catalyzed by AlPO <sub>4</sub> -stilbite zeolite.	Proceedings of National conference on upcoming trends in chemical science UTCS 2013,	2013, 70, Special Issue	ISBN:978-81-905776-99-9	--
18	ZnO-beta zeolite: An efficient and reusable catalyst for synthesis of 5-arylidene-2,4-thiazolidinedione under solvent free condition.	Proceedings of National conference on upcoming trends in chemical science UTCS 2013,	2013, 83 Special Issue	ISBN:978-81-905776-99-9	--
19	One pot synthesis of polyhydroquinolines catalyzed by AlPO <sub>4</sub> - stilbite zeolite.	Journal of Basic and Applied Science,	2014, 2, 44.	ISSN: 2229-3309	--
20	XRD and TGA-DSC as an effective tools of research in physical science.	Journal of Basic and Applied Science,	2014, 2, 154	ISSN: 2229-3309	--
21	Excess molar volumes and refractive indices for binary mixtures of 2- Butanone with branched alcohols at temperatures between 298.15 and 303.15 K.	Journal of Basic and Applied Science,	2014, 2, 158	ISSN: 2229-3309	--
22	Synthesis and characterization of Ni nano particles by chemical reduction method.	International journal of Advanced Research in Basic and Applied Science (IARBAS),	2014, 1(1), 76	ISSN: 2394-4072	--
23	In/ MCM-41 efficient catalyst for synthesis of Benzimidazole	International journal of Advanced	2014, 1(1),	ISSN: 2394-4072	

	synthesis.	Research in Basic and Applied Science (IJARBAS),	198		--
24	Solar Thermal Energy in the Hospitality industry.	Journal of Basic and Applied Sciences,	2014, 2, 130	ISSN: 2229-3309	--
25	An Efficient Knoevenagel condensation of 4-oxo-4H-benzopyran-3-carbaldehyde with Meldrum's acid in acidic ionic liquid.	Journal of Basic and Applied Science,	2014, 11(11), 27	ISSN: 2229-3309	--
26	A Convenient synthesis of azlactone derivatives catalyzed by scolecite zeolit.	Organic Chemistry: An Indian Journal,	2015, 11(2), 66	0974-7516 Print	0.36
27	Potentiometric study of complexes of $\beta$ -diketone derivatives with Nickel(II) and Copper(II) transition metals.	Proceeding of National seminar on Emerging Trends and Challenges in Chemical Sciences (ETICS)	2015, 90		--
28	Performic acid: Effective reagent for preparation of carenediol from $\Delta^3$ -carene.	Journal of Medicinal Chemistry and Drug discovery,	2015, 1(1), 203	ISSN: 2347-9027	--
29	Titanium dioxide as an eco-friendly and recyclable catalyst for the synthesis of 1,1-diacetate under solvent free conditions.	Organic Chemistry: An Indian Journal,	2015, 11(3), 102	ISSN: 0947-7516	0.36
30	Synthesis of quinoxaline using fly ash as an efficient catalyst,	Journal of Medicinal Chemistry and Drug discovery,	2016, 2(1), 243	ISSN: 2347-9027	--
31	Excess molar volumes and viscosity deviations of propiophenone and methanol binary mixtures at different temperatures.	Journal of Medicinal Chemistry and Drug discovery,	2016, 2(1), 784	ISSN: 2347-9027	--
32	Synthesis of Schiff bases catalyzed by solid acid AlPO <sub>4</sub> -stilbite	Souvenir of National Seminar "Redefining the role of chemistry in the era of modern science"	2018	ISBN: 978-93-81948-83-5	--
33	Challenges and opportunities in sustainable development through green chemistry	International Research Journal of Multidisciplinary Studies,	VI, special issue-I, 2018, 163	ISSN: 2454-8499 online	1.3599(GIF) 0.679(IIFS)
34	Synthesis of benzimidazole derivatives using Ni nps/stilbite zeolite	J. Biol. Chem. Chron.	5(3), 2019, 83-87	ISSN: 2454-7476 (online)	<b>DOI:</b> 10.33980 peer-reviewed
35	Synthesis and characterization of MgO supported Al <sub>2</sub> O <sub>3</sub> oxide	J. Biol. Chem. Chron.	5(3), 2019, 62-65	ISSN: 2454-7476 (online)	<b>DOI:</b> 10.33980 peer-reviewed
36	Extraction and separation studies of iridium(III) with 4-(4-methoxybenzylideneimino)-5-methyl-4H-1,2,4-triazole-3-thiol	J. Biol. Chem. Chron.	5(3), 2019, 100-103	ISSN: 2454-7476 (online)	<b>DOI:</b> 10.33980 peer-reviewed

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37	AlPO <sub>4</sub> -stilbite catalyzed one pot synthesis of 3,4,6-triphenylpyridazine derivatives	Journal of Global Resources, Special issue	5(02), 2019, 125-127	ISSN: 2395-3160 (Print)	UGC care listed
38	Studies on transition metal complexes of Th(IV), La(III) and Ce(III) with bidentate ligands	Our Heritage,	2019, 68, special issue 12, 262-268	ISSN: 0474-9030	UGC care listed
39	Scolecite: As an efficient and reusable catalyst for the synthesis of 2-amino-4H-chromenes	Innovare Journal of Sciences,	8, Special Issue-1, 2020, 108-109	ISSN: 2321-5496	peer-reviewed
40	Synthesis of 2,4,5-triarylimidazoles Catalyzed by Ni nps/ stilbite Zeolite	International Journal of Scientific Research in Science and Technology,	9 (8), 2022, 187-191	ISSN: 2395-6011	peer-reviewed
41	Synthesis of Polyhydroquinoline Catalyzed by Cu nps/ Stilbite Zeolite	Journal of Science and Technology,	Vol. 07, Special Issue 03, May 2022, 19-24.	ISSN: 2456-5660	peer-reviewed
42	Green approach for the synthesis of schiff bases catalyzed by scolecite zeolite	International Journal of Scientific Research in Science and Technology,	9(16), 2022, 19-23.	ISSN: 2395-6011	peer-reviewed

### Conference/ Seminar / Workshop Participation

Sr. No.	Title of the Event	Place	Dates	Paper Presented
1	Frontiers in chemical sciences and drug development	Department of Chemistry, Dr. BAMU, Aurangabad.	17 & 18 Mar 2017	Attended
2	Revised accreditation frame work of NAAC	Kalikadevi Arts, Comm and Sci. college Shirur (K)	31 Jan 2018	Attended
3	7 <sup>th</sup> International conference on innovations in physical, chemical and life sciences (IPCLS-2018)	New Arts, Comm and Sci College Parner	27 & 28 Dec 2018	Oral Presentation
4	Emerging trends in chemistry and material science	G.M.D. Arts, B.W. Commerce and science college Sinner	18 & 19 Jan 2019	Oral Presentation
5	Emerging trends and challenges in biosciences	R.B. Attal Arts, Sci. & Comm. College Georai	11 Aug 2019	Oral Presentation
6	Recent advances in physical sciences (RAPS-2020)	Balbhim Arts, Sci. & Comm. College Beed	8 Feb 2020	Oral Presentation
7	Moodle online teaching management tool	Dept. of Management science, Dr. BAMU Aurangabad	18 June 2020	Attended

8	Higher education in India: Accessibility, equity and exclusion	Dialogue for academic justice	26 Jun 2020	Attended
9	Nanotechnology in cancer treatments	Milind Collenge of Science Aurangabad	2 July 2020	Attended
10	New education policy	Anandrao Dhonde alias Babaji Mahavidyalaya Kada	4 Aug 2020	Attended
11	recent trends in global warming and climate change:its impact on environment and biodiversity,	Scientific and environmental research institute (SERI) Kolkata	12-13 Feb 2021	Oral Presentation
12	e-Conference on “New Trends in Green Chemistry & Environmental Science”	Mrs. K.S.K. College Beed	08 Feb.2022	Oral Presentation
13	National Conference on Trends in Chemistry	Anandrao Dhonde alias Babaji Mahavidyalaya Kada	18 April 2022	Oral Presentation
14	National Conference on Current Innovations in Chemistry, Physics and Mathematics,	Sunderrao Solanke Mahavidyalaya Majalgaon	20 Dec 2022	Oral Presentation

### Proceedings Publication

Sr. No	Title	Dates	ISBN	Remark
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### Book Publication

Sr. No	Title	Dates	ISBN	Name of Publisher
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### Research Guidance

Name	Designation	Date of approval & Letter No.	Number of Seats Allotted	Number of Candidates Registered	Available Seats
Dr. L.S. Gadekar	Assistant Professor	Ref No. Ph.D./2017-18/24039 Date 31/03/2018	04	03	01



## **Extra-Curricular Activities**

- **Member:**
- Member of College IQAC committee
- Member of College UGC committee
- **Chairperson:** B. Voc. Committee in College.  
Avishkar Committee

## **Participation at Community Level**

- **Life Member:** Professional Membership of Institute of Scholar, Bangalore.
- ❖ **Awards :**
- Young Researcher Award 2021, (20 March 2021) from Institute of Scholars, Bangalore.
- National Best Teacher of the Year Award (15/10/2022) from Avishkar Foundation, Solapur.
- ❖ **Reviewer of Journals / Ph. D. Thesis**
- 1) Reviewer of International Journal of Basic and Applied Sciences.
- 2) Reviewer of Journal of Pharmaceutical Research International

**Date: 28/02/2023**

**Place: Patoda**

**Dr. Gadekar L.S.**