

## CURRICULUM VITAE (C.V.)



Name : **Dr. Vilas Baburao Jadhav**  
Present Designation : Assistant Professor  
Department of Chemistry  
Contact : [vbjadhav65@gmail.com](mailto:vbjadhav65@gmail.com)  
Educational Qualifications : M.Sc.; Ph.D.

Exam	Subject
M.Sc.	Physical Chemistry
Ph.D.	Synthesis, Characterization and Antimicrobial Studies of some Transition Metal Complexes of 1, 2 Naphthoquinone-1-Oxime, 1, 2 Naphthoquinone-2-Oxime and 1, 2 Naphthoquinone Dioxime

### Teaching Experience:

A] Under-Graduate Level : 29 years  
B] Post-Graduate Level : 16 years

### ACADEMIC ODYSSEY

**India:** Delhi, Mumbai, Bengaluru, Chennai, Coimbatore, Panjim-Goa, Nagpur.

### Awards and Honours: (02)

- Received **Best Teacher Award** from Pune Municipal Corporation, Pune on 5<sup>th</sup> September, 2013 at the hands of Mr. Shyam Deshpande, Deputy Collector, Pune.
- Received** UGC grants of ₹ 3,95,000/- for Minor Research Project entitled 'Synthesis, Characterization and Biological Studies of Transition Metal Chelates of 1,2 Naphthoquinone. (2013-2014)

### Publications:

#### Research Papers published: (15)

1.	Synthesis, spectral and Theoretical investigation on 1-2 naphthoquinone dioxime <b>V.B. Jadhav</b> , N.R. Gonewar, K.D. Jadhav and R.G. Sarawadekar* Research in Pharmacy 1(3) : 01-09, 2011 ISSN : 2231-539X
2.	Investigation on theoretical calculations of mid-far infrared, NMR and electronic spectra of 1-nitroso-2-naphthol or 1-2 naphthoquinone-1-oxime and comparison with experimental data <b>V. B. Jadhav</b> , N.R. Gonewar, K.D. Jadhav and R.G. Sarawadekar* Journal of Pharmacy Research 2011,4(12),

3.	Theoretical calculations of infrared, NMR and electronic spectra of 2-nitroso-1, naphthol or 1-2 naphthoquinone-2 oxime and comparison with experimental data N.R. Gonewar, <b>V. B. Jadhav</b> , K.D. Jadhav, and R.G. Sarawadekar <i>Research in Pharmacy</i> 2(1) : 18-25, 2012.
4.	Synthesis, characterisation and antimicrobial activities of 1, 2 naphthoquinone-1-oxime ligand and its metal chelates of Hg (II), Pb (II), Ag (I), Zn (II) and Cd (II) N. R. Gonewar, <b>V. B. Jadhav</b> , A. A. Killedar, S. S. Sakure, K. D. Jadhav and R. G. Sarawadekar <i>Int. J. Chem. Sci.</i> : 10(3), 2012, 1493-1505. ISSN 0972-768X
5.	Synthesis, Characterisation and Antimicrobial activity of bivalent metal (Zn, Cd, Hg,Pb and Ag) chelates of 1, 2- naphthoquinonedioxime, N. R. Gonewar, <b>V. B. Jadhav</b> , K. D. Jadhav, S.S. Sakure, A. A. Killedar and R. G. Sarawadekar, <i>IOSR Journal of Pharmacy</i> , Volume 2 Issue 6 25-33 (2013).
6.	Synthesis, characterization and antimicrobial activity of metal (Mn, Fe, Co, Ni, and Cu) chelates of 1, 2 naphthoquinone dioxime, V. B. Jadhav, N. R. Gonewar, K. D. Jadhav, and R. G. Sarawadekar <i>IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS)</i> e-ISSN: 2278-3008. Volume 5, Issue 5 (Mar. – Apr. 2013), PP 01-06
7.	Thermal, X-ray diffraction, spectral and antimicrobial activity of bivalent metal (Zn, Cd, Hg, Pb and Ag) chelates of 1, 2 naphthoquinone – 2, oxime N. R. Gonewar, <b>V. B. Jadhav</b> , S.S. Sakure, K. D. Jadhav and R. G. Sarawadekar <i>IOSR Journal of Pharmacy. ISOR J. of Pharmacy</i> , Vol II, Issue 6 Nov-Dec 2012 PP. 25-33
8.	Solid State Charge Transfer Nanochelates of Isomeric Phthalates and Plumbaginates. M.P. Wadekar, B. L. Khade, Monali Itakar, P.S. Khandagale, <b>V.B. Jadhav</b> , V.V. Dhapte and P.K. Khanna, Published by Bloomsbury Publishing India Pvt Ltd. in <i>Nano Material Synthesis and Characterization</i> , pp. 341-348 (2012)
9.	Detection of Carbohydrates from Aglaialawii leaves Sangita M. Lavate, Vilas. B. Jadhav, Anjali Ruilka and N. R. Deshpande. <i>BioMedRx</i> Vol.1 Issue 5 .May 2013
10	Removal of Cationic Dye from effluents using Eco-Friendly Adsorbent Chandrakant D. Shendkar, Kavita S. Mundhe, Sangita M. Lavate, Vilas B. Jadhav, Nirmala R. Deshpande. <i>BioMedRx</i> Vol.1 Issue 2.February 2013
11.	Comparative Study of Physico-Chemical Properties of 17% Root Canal Lubricant: Self Developed vs. Commercially Available Satish D. Ingale, Rajendra Kankariya, V. V. Dhapate, A. B. Pawar, <b>V. B. Jadhav</b> and S. P. Dagade <i>Int..J. Pharm. Sci. Rev. Res.</i> , 21(2), Jul – Aug 2013; no 34, 186-188, ISSN 0976-044X
12.	Studies On An Antimicrobial Activity Of Metal (Mn, Fe, Co, Ni, And Cu) Chelates of 1, 2-Naphthoquinone 2-Oxime V. B. Jadhav, H. P. Deshmukh, N. R. Gonewar, K. D. Jadhav, and R. G. Sarawadekar <i>Int. J. Chem. Sci.</i> : 11(3), 2013, 1286-1298, ISSN 0972-768X
13.	Studies of an antimicrobial activity of metal (Mn, Fe, Co, Ni and Cu) chelates of 1,2 naphthoquinone 1-oxime. <b>V.B. Jadhav</b> , N. R. Gonewar, K. D. Jadhav and R. G. Sarawadekar <i>IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS)</i> , e-ISSN: 2278, p-ISSN: 2319-7676, Vol 9, Issue I Ver. I (Jan 2014), PP 13-19
14	Theoretical calculations of chemical shifts of metal (Hg (II), Pb (II), Ag (I), Zn (II) and Cd (II)) chelates of 1, 2 naphthoquinone 2-oxime, N. R. Gonewar, A.B. Pawar, V. B. Jadhav, K. D. Jadhav, and R. G. Sarawadekar <i>IOSR Journal Of Pharmacy (e)-ISSN: 2250-3013, (p)-ISSN: 2319-4219, Volume 5, Issue 6 (June 2015), PP. 01-07</i>
15.	Theoretical calculations of chemical shifts of metal chelates of 1, 2 naphthoquinone dioxime N. R. Gonewar, A.B. Pawar, V. B. Jadhav, K. D. Jadhav and R. G. Sarawadekar <i>Der PharmaChemica</i> , Vol. 7(8), 206-212, August 2015

16.	Spectral and thermal Analysis of 1,4-naphthoquinone and their metal chelates. A. D. Mandake, N. R. Deshpande, V.B.Jadhav, A. B. Pawar. International Journal of Innovative Knowledge Concepts, Vol.7(1) January, 2019
17.	Spectral and thermal investigation of bioactive 1, 4- Naphthoquinones and its metal chelates (Zn, Cd, Hg). International Journal of Innovative Knowledge Concepts, Vol. 7(2) February, 2019

### **Research Experience:**

Sr.	Title Of Minor Research Project	Funding Agency
1.	Synthesis , characterisation and Antimicrobial studies of Transition metal chelates of 1,2 Naphthoquinone.	UGC, New Delhi.

### **Ph. D. Scholars registered the supervision and guidance: (01)**

Sr.	Name of the scholar	Topic of the research
1	Ms. Meenal Apte	Synthesis, Characterisation and applications of nanoTitania(TiO <sub>2</sub> )

### **Special Academic Contribution: (12)**

- Organization** of National Workshop on ‘Challenges in Chemical Analysis’ on 13 September 2014.
- Organization** of National Workshop on ‘Analytical Chemistry’ on 17 September 2013.
- Organization** of National Seminar on ‘Recent Trends in Chemical and Material Science. (12-13<sup>th</sup> 2013).
- Organization** of UGC Sponsored National Seminar on New Challenges in Chemistry and Nano Science’ on 13 February 2012.
- Organization** of National Conference on ‘Biotechnology for Agriculture and Rural Development.’ (29-30 December 2004).
- Worked as Senior supervisor of B.A., B.com., B.Sc. examinations of Shivaji University, Kolhapur during 1995 and 2006
- Worked as CAP Director of B.A. III and B.A. II of Shivaji University, Kolhapur during 1996 and 1997.
- Worked as **External Examiner** at B. Sc. I, II & III Practical examinations at Shivaji University, Kolhapur.
- Worked as **Examiner** at Under-graduate, B.Sc. examinations, in Shivaji University, Kolhapur.
- Working as **Paper-setter** and examiner at Undergraduate B.Sc. and Post-graduate M.Sc. (Physical and Analytical Chemistry) examinations in Bharati Vidyapeeth Deemed University, Pune.
- Working as **Paper-setter** and examiner at B.Sc. (Biotechnology) Bharati Vidyapeeth Deemed University, Pune.
- Worked as CAP Director of B.sc. , B.Sc (Computer Science) M.Sc. , M.Sc. (Computer Science) of Bharati Vidyapeeth Deemed University, Y.M. College, Pune.(2017-2018)

### **Memberships of Learned Academic Organizations: (7)**

1. Chairman, BoS in Chemistry (BVU) since may, 2015.
2. Member, faculty of Science (BVU) since may, 2015.
3. Member, Research and Recognition committee (BVU) since May, 2015.
4. Member, Board of Studies in Chemistry (BVU) since 2006
5. Life Member, Indian Science Congress
6. Life Member, Shivaji University Chemistry Teachers Association
7. Member, Indian Council of Chemists

### **Ex-Memberships of Academic & Social Organizations:**

1. **Chairman**, Vividh Karyakari Sahakari Society Ltd., Hingangaon Khurd, Dist. Sangli (1996-2007)
2. **Programme Officer**, NSS, which was awarded with the **Indira Gandhi National Award** or the year 2002 & the Best NSS Unit Award by Govt. of Maharashtra(2001).
3. **Member of Committee** for National Accreditation and Assessment Council of BVMBSK, Kanya Mahavidyalaya, Kadegaon (2001-2006).

### **The Workshops/ Conferences/ Seminars and Refresher/ Orientation courses attended/ participated: (19)**

<b>Sr.</b>	<b>Particulars</b>	<b>Place</b>	<b>Date</b>
1.	International Conference on Structural and Inorganic Chemistry CSIR-NCL, IISER Pune and SP Pune University	IISER Pune	4-5 December 2014
2.	UGC Sponsored National Conference on Global Warming	BVMBSK, Kanya Mahavidyalaya, Kadegaon	6-7 February 2014
3.	International Conference on Impact of Chemistry on Nanotechnology	DIAT Pune	28-29 October 2013
4.	National Conference on Microbiology Horizons in Biomedical Sciences	Karmveer Bhaurao Patil College, Vashi	27-28 September 2013
5.	National Conference on Chemistry of Chalcogens	DIAT Pune	14-15 January 2013
6.	International Symposium on Macro and Supramolecular Architectures and Materials	K.S. Rangasamy College of Technology, Tiruchengoda	21-25 November 2012
7.	International Conference on Functional Materials for Defence	DIAT Pune	18-20 May 2012
8.	National Workshop on Bioassays and their Applications	Y.M. College, Pune-38	23-25 February 2012
9.	International Conference on Expanding Horizons in Chemical and Biological Sciences : Innovations Crossroads	Solapur University Solapur	21-24 January 2012
10.	International Conference on Current Trends in Medicinal Plants Research	University of Pune, Pune	1-12 January 2012
11.	National Seminar on New Developments in Chemistry	B.J.S. College, Wagholi, Pune	4-6 February 2010
12.	Global Ayurved Conference and Health Expo	Bharati Vidyapeeth University, Pune	9-11 January 2009

<b>Sr.</b>	<b>Particulars</b>	<b>Place</b>	<b>Date</b>
13.	State Level Workshop on Project Formulation in Science	BVMBSK, Kanya Mahavidyalaya, Kadegaon	5 February 2007
14.	Workshop on Draft Syllabus in Chemistry for B.Sc. Part III	BVMBSK, Kanya Mahavidyalaya, Kadegaon	15 December 2004
15.	Two Days Workshop on Revised Syllabus in Chemistry at B. Sc. Part II	Walchand College, Solapu	3-4 September 2004
16.	One Day Seminar on Recent Advances in Agrochemistry and Wine Technology	A.C.S. College, Palus	15 February 2004
17.	Conference on Soil Salinity and Over Irrigation	S.G.M. College, Karad	27-28 December 2002
18.	National Conference on Current Trends in Allergy and Applied Aerobiology	Y.M. College Pune	28-30 November 2002
19.	Workshop on Trends in Bioinformatics	Y.M. College Pune	01 October 2002
20.	National Conference on: Indian Higher Education: Challenges of Autonomy and Accountability.	MIT-ADT, University, Pune	19 August, 2018
	<b>Details of Orientation/ Refresher Courses</b>		
A	<b>Orientation course</b>	Goa University	05/05/1998 to 01/06/1998
B	<b>Refresher Courses</b>	Shivaji University	15/02/2005 to 07/03/2005
		Pune University	11/11/2013 to 01/12/2013

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