

CURRICULUM VITAE



Name : **Dr. Avinash Bapusaheb Pawar**
Present Designation : Associate Professor & Head,
Department of Chemistry,
Yashwantrao Mohite College of Arts, Science &
Commerce, Pune-38
Contact : abpawar@yahoo.com;
avinash.pawar @bharatividyaapeeth.edu
Mob.: 9822539883
Date of Birth : 7th August, 1967
Address : Rahul Park, D-5, Wing-A, Flat No. 201,
Warje, Pune-411058
Educational Qualifications : **M.Sc.; Ph.D.; NET (Organic Chemistry)**

Exam. Passed	University	Subject	Year	Grade
B. Sc.	Shivaji University, Kolhapur	Chemistry	1988	First Class with Distinction
M.Sc.	Shivaji University, Kolhapur	Organic Chemistry	1990	First Class
NET	CSIR-UGC, New Delhi	Chemical Science	Jan. 2002	-----
Ph.D	BVDU, Pune	Coordination Chemistry	Dec.2012	-----

Teaching Experience:

A] Under-Graduate Level : 31 years

B] Post-Graduate Level : 26 years

Awards and Honours:

- Received **Best Teacher Award** from Pune Municipal Corporation, Pune on 5th September, 2013.
- A member of Board of Studies of Chemistry BVDU, Pune since 1999
- A Chairman of Board of Studies of Chemistry BVDU, Pune From April 2013 to March 2015.
- A Chairman of Board of Studies of Chemistry BVDU, Pune From April 2016 to till date.
- Recognized PG teacher in the subject Chemistry of Bharati Vidyapeeth Deemed University, Pune since 1995.
- Recognized Ph.D Guide in the subject Chemistry of Bharati Vidyapeeth (Deemed to be University), Pune with effect from 3rd February, 2014

Publications:

i) Research Papers published in International Journals (21)

SR. No	Author(s)	Title of Paper	Name of Journal ,Vol.,Page No., Year	Citations	H-factor	IF	SJR
1	A.B. Pawar, K.D. Jadhav, M.P. Wadekar, R.G. Sarawadekar	Spectral and theoretical investigation on 2- hydroxy-1,4,naphthoquinone (Lawsone)	<i>Journal of Pharmacy Research</i> 4(6), 1745-1747, 2011.	06	05	2.89	0.19
2	A.B. Pawar, K.D. Jadhav, N.R. Gonewar R.G. Sarawadekar	Synthesis, Spectral and theoretical investigation on 5-hydroxy-1, 4-naphthoquinone (Juglone)	<i>Journal of Pharmacy Research</i> 4(7),2051-2053,2011	03	05	2.89	0.19
3	C. D. Shendkar, P. S. Chandrachood, A. B.Pawar, S. M. Lavate N. R. Deshpande	Quantitative estimation of macro, micro nutrients and trace elements by X-ray fluorescence spectroscopy (XRF) from <i>Achyranthes aspera</i> Linn.	<i>International Journal of Chem Tech Research</i> Vol.3, No.2, 610-613, (2011).	10	17	0.631	0.21
4	Asha A. Kale, Avinash B, Pawar, Nirmala R. Deshpande , Jyoti P. Salvekar	Antimicrobial Activity Study of <i>Juglans regia</i> L.	<i>Journal of Pharmacy Research</i> Vol. 4, No. 2,331-332, (2011)	01	05	2.89	0.19
5	A.B. Pawar, R.G. Sarawadekar, B.A. Kulkarni, K.D. Jadhav and S. S. Kadam	Synthesis, spectral and Theoretical investigation on 2-hydroxyl 1-4 naphthoquinone 1-oxime (Lawsone oxime)	<i>Journal of Pharmacy Research</i> 5(3),1435-1437,2012	-----	05	2.89	0.19

6	A. B. Pawar, A. A. Killedar, K. D. Jadhav and R. G. Sarawadekar	X-ray diffraction, spectral and antimicrobial activity of bivalent metal (Zn, Cd, Hg, Pb and Sn) chelates of 2-hydroxy 1-4 naphthoquinone.	<i>International Journal of Chem Tech Research,</i> Vol.4, No.3, pp 882-890, 2012.	---	17	0.63	0.21
7	A. B. Pawar, S. R. Bamane, K. D. Jadhav and R. G. Sarawadekar	Spectral, thermal, x-ray diffraction and antimicrobial studies of some bivalent metal chelates of juglone.	<i>Journal Current Chem. Pharm. Sc.:</i> 2(4), 2012, 277- 290, 2012.	06	---	---	---
8	A.B. Pawar, R. G. Sarawadekar, K.D. Jadhav, S.S. Kadam	Thermal, X-ray diffraction, spectral and antimicrobial activity of bivalent metal (Zn, Cd, Hg, Pb and Sn) chelates of 2-hydroxy-1, 4- naphthoquinone -1- oxime.	<i>IOSR Journal of Pharmacy and Biological Sciences (IOSR- JPBS)</i> Volume 3, Issue 3 PP 01-8, 2012.	----	--	1.519	----
9	C. D.Shendkar, R. C. Torane, K. S. Mundhe, S. M. Lavate, A. B. Pawar, N. R. Deshpande	Characterization And Application of Activated Carbon Prepared From Waste Weed.	<i>International Journal of Pharmacy and Pharmaceutical Sciences</i> Vol. 5, Issue 2, (2013)	04	20	1.59	---
10	Satish D. Ingale, Rajendra Kankariya, V. V. Dhapate, 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.	<i>International Journal of Pharmaceutical Sciences Review and Research</i> 21(2), 186-188 (2013)	--	13	2.54	---

11	N.R. Gonewar, A.B. Pawar , V.B. Jadhav, K.D. Jadhav, R.G. Sarawadekar	NMR Studies On Metal (Hg (II), Pb (II), Ag (I), Zn (II) And Cd (II)) Chelates Of 1, 2 Naphthoquinone 1- Oxime	<i>IOSR Journal of Applied Chemistry (IOSR- JAC) olume 7, Issue 12 Ver. II. (Dec. 2014), PP 68-72</i>	--	02	1.238	---
12	N. R. Gonewar, A.B. Pawar , V. B. Jadhav, K. D. Jadhav and R. G. Sarawadekar	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	<i>IOSR Journal of Pharmacy Volume 5, Issue 6 PP. 01-07, June 2015</i>	---	02	1.44	---
13	A. B. Pawar , K. D. Jadhav and R. G. Sarawadekar	Vibrational study on the molecular structure of Zinc - Juglonate [Zn(5-hydroxy-1, 4- naphthoquinone)2] by DFT and HF calculations	<i>Der Pharma Chemica Volume 7, Issue 8, PP-233-240, August-2015</i>	--	13	0.48	--
14	N. R. Gonewar, A.B. Pawar , V. B. Jadhav, K. D. Jadhav and R. G. Sarawadekar	Theoretical calculations of chemical shifts of metal chelates of 1, 2 naphthoquinone dioxime	<i>Der Pharma Chemica Volume 7, Issue 8, PP-206-212, August-2015</i>	--	13	0.48	---
15	A. B. Pawar , N. R. Gonewar, R. G. Sarawadekar and G.S. Jagtap	Theoretical Calculations of Chemical Shifts of Zirconium Metal Chelates with 1, 2 Naphthoquinone Oximes	<i>IOSR Journal of Applied Chemistry (IOSR-JAC) e- ISSN: 2278- 5736. Volume 10, Issue 8 Ver. I PP 01-05 (August. 2017),</i>	-----	02	1.238	---

16	A.D. Mandke, N.R. Gonewar, R.G.Sarawadekar and A.B. Pawar	Synthesis and spectral studies of 2-amino-1,4- naphthoquinone	International Journal of ChemTech Research ISSN: 0974- 4290, ISSN(Online):24 55-9555 Vol.10 No.9, pp 291-298(2017)	-----	17	0.63	0.21
17	Shubhangi V.Kulkarni ,Raghunath G. Sarawadekar and Avinash B. Pawar	Synthesis and vibrational study of 2-amino, 3-chloro 1,4- naphthoquinone by DFT	International Journal of ChemTech Research ISSN: 0974-4290, ISSN(Online):2455- 9555 Vol.10 No.15, pp 239-246, 2017	-----	17	0.63	0.21
18	Shubhangi V. Kulkarni, Raghunath G. Sarawadekar & Avinash B. Pawar	Synthesis & characterization studies of some derivatives of 1, 4- Naphthoquinone substituted C1-NOH, C2-NH2, (N-acetyl) acetamido and C3-Cl	IOSR Journal Of Pharmacy www.iosrphr.or g (e)-ISSN: 2250-3013, (p)- ISSN: 2319- 4219 Volume 8, Issue 8 Version. I (August 2018), PP. 51-57 51	---	02	1.44	---
19	Ajinkya D. Mandake, Raghunath G. Sarawadekar and Avinash B. Pawar	Synthesis And Characterization Studies Of Some 1, 4-Naphthoquinone Substituted C1- NOH, C2-NH2 And (N-Acetyl) Acetamido	IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS) e-ISSN:2278- 3008, p- ISSN:2319- 7676. Volume 13, Issue 5 Ver. I (Sep – Oct 2018), PP 37-42 www.iosrjourn als.org	----	--	1.519	----

20	A. D. Mandake, N. R. Deshpande, V.B.Jadhav, A. B. Pawar* .	Spectral and thermal Analysis of 1,4- napathaquinone and their metal chelates.	International Journal of Innovative Knowledge Concepts ISSN : 2454- 2415 Vol. 7, Issue 1, January, 2019 PP 243-250	--	--	--	---
21	Shubhangi V Kulkarni, Nirmala. R. Deshapande, Vilas B. Jadhav & Avinash B Pawar*	Spectral and thermal investigation of bioactive 1, 4- Naphthoquinones and its metal chelates (Zn, Cd, Hg)	International Journal of Innovative Knowledge Concepts ISSN : 2454- 2415 Vol. 7, Issue 2, February, 2019 PP 207-214	--	--	--	--
22	Elija Khatiwora, Vaishali B.Adsul, Avinash B. Pawar Sristisri Upadhyaya	Isolation, Characterization and Antimicrobial Activity of an Aromatic Ester from Ipomoea Carnea Stem Bark	Journal of Advanced Scientific Research e-ISSN: 0976- 9595 Vol. 12, Issue 2, June 2021 PP 245-251	---	--	0.567	---

ii] **Research Paper presented in international conference:**

- Effect of isomerism and chelation on the antimicrobial activity of the active constituents Phthiocol and Plumbagin”

M.P.Wadekar,,B.L.Khade,V.B.Jadhav,M.S.Itkar,**A.B.Pawar**& V.V.Dhapte

International Conference on” Current Trends In Medicinal Plant Research”

Organised by Dept.of Botany, University of Pune,

(10th to 12th Jan. 2012. page no.42-43)

iii] Research Paper presented in National conference:

Sr	Theme of the Conference	Title of the Paper	Organised by	Date
1	Frontiers of research in chemistry	The chelate formation of Zinc with 2- hydroxy 1,4- naphthoquinone	S.G.M.College, Karad.	26 th &27 th Dec. 2014

Research Experience : 13 Years

Awarded Ph.D in Chemistry entitled “**CHEMICAL, STRUCTURAL AND ANTIMICROBIAL STUDIES OF SOME GROUP IIB AND GROUP IVA METAL COMPLEXES OF LAWSONE, LAWSONE MONOXIME AND JUGLONE**” of BVDU, Pune on 27th, December,2012 under the guidance of Dr. R.G. Sarawadekar.

Ph. D. Scholars registered under the supervision and guidance: (04)

Ph. Ds successfully completed under the supervision and guidance: (01)

Sr.	Name of the scholar	Topic of the research	Date of Declaration
1.	Mr.Ajinkya Dhananjay Mandake	Synthesis, Characterisation and Biological investigations of Cu(II), Fe (II) and Mn(II) Metal complexes with 2-Amino, 2-Acetamido 1,4-Naphthoquinone and their oxime derivatives.	26/07/2021

Special Academic Contribution:

1. **Organization** of UGC sponsored National Seminar on “NEW CHALLENGES IN CHEMISTRY AND NANOSCIENCE ”NCCNS – 2012” inaugurated by Prof. Dr. K. N. Ganesh Director, Indian Institute of Science Education and Research IISER, Pune(13th February 2012 and 14th February 2012)
2. **Organization** of UGC sponsored National Seminar on „RECENT TRENDS IN CHEMICAL AND MATERIAL SCIENCE“ – RTCMS – 2013 inaugurated by Dr. Prahlada, Vice Chancellor, Defence Institute of Advanced Technology (DIAT) Pune(12th January 2013)
3. **Organization** of UGC sponsored “National Workshop in Analytical Chemistry” (NWAC-2013) inaugurated by Dr. Anil Kumar, Head, Division of Physical and Materials Chemistry, National Chemical Laboratory, Pune (17th September 2013)
4. **Organization** of UGC Sponsored National Workshop on “Challenges in Chemical Analysis” (CICA-2014) inaugurated by Prof. Dr. N. N. Maldar, Vice Chancellor, Solapur University, Solapur (13th September 2014)
5. **Organization** of one day workshop on “*Preparing for SET & NET examination*” inaugurated at the auspicious hands of Dr. G. S. Rashinkar, Professor, Department of Chemistry, Shivaji University, Kolhapur(18th August 2015)
6. **Chairman**, Board of Studies in Chemistry, Bharati Vidyapeeth University, Pune (2013-2015& 2016-2019)
7. **Member**, Faculty of Science, Bharati Vidyapeeth University, Pune (2013-2015& 2016-2018)
8. **Convener**, Reaccreditation Committee for National Accreditation and Assessment Council of Yashwantrao Mohite College, Pune (2011-2016).
9. **Convener**, Students Welfare Committee , Yashwantrao Mohite College, Pune. (From 2012-2013 to 2018-2019).
10. **Convener**, Vocational Guidance& Competitive Examination committee , Yashwantrao Mohite College, Pune. (Since 2012-2013).
11. **Guided** more than 10 research projects of M.Sc.(Chemistry) Programme since 2013.
12. In capacity of the **Chairman**, Board of Studies in Chemistry, Bharati Vidyapeeth University, Pune revised all the syllabuses of undergraduate & postgraduate classes according to the UGC guidelines.
13. Worked as **Convener** as well as **member** of Various Committees of college administration in Bharati Vidyapeeth Deemed University, Yashwantrao Mohite College, Pune.

14. Working as **Paper-setter** and examiner at Undergraduate and Post-graduate examinations in Bharati Vidyapeeth Deemed University, Pune.

15. Worked as **Examiner** at Maharashtra State Public Service Commission examination.

16. **Organization** of one day workshop on “*Analytical Training for Instrumentation [ATI-2020]*”

Inaugurated at the auspicious hands of Dr. B. B. Kale, Director, C-MET, Pune (20th Feb. 2020)

Memberships of Learned Academic Organizations:

1. **Chief Convener** , National level General Knowledge test conducted by Yashwantrao Mohite College, Pune since 2017.
2. **Co- Convener** , National level General Knowledge test conducted by Yashwantrao Mohite College, Pune (2016-2017)
3. **Convener**, Criterion—V: Student Support & Progression (NAAC) from 2017 to till date
4. **Member**, Flying Squad of BVDU, Pune

Ex-Memberships of Academic and Social Organizations:

1. **Member**, Committee for National Accreditation and Assessment Council of Yashwantrao Mohite College, Pune (2001-2005 & 2005-2011).
2. **Convener**, Criterion- V : Student Support & Progression (NAAC) of Yashwantrao Mohite College, Pune (2001-2017).
3. Worked as **Presiding Officer** for Indian Parliamentary election held on 23/04/2019 and Maharashtra Legislative Assembly election held on 21/10/2019.
4. Worked as **Senior Supervisor** for the examination **Environmental Studies** of BVDU, Pune.
5. Supervisor for the examination Environmental Studies of BVDU, Pune.

Extension Services:

- a. A member of National Service Scheme since 1997.
- b. Assistant Programme Officer of NSS from 1999 to 2001.
- c. **Programme Officer** of NSS From 2001 to 2018.
- d. Care Taker Officer of N.C.C. From 2001 to June 2019

i) National Level & State Level Camps Attended:

Sr No.	Camp	Theme	Organized by	Period
1	National Level Camp	National Integration and Water Shed Management	Anand Niketan College, Anandwan, Warora, Dist. Chandrapur(Maharashtra)	10/01/2002 to 19/01/2002
2	National Level Camp	National Integration Camp	Devi Ahilya University, Gram Bhabra, Indore(M.P)	26/08/2008 to 31/08/2008
3	State Level Camp	Pre-S.R.D. Camp	N.M.D. College,Gondia .	16/12/2004 to 20/12/2004

ii) Training Programmes Attended:

Sr. No	Theme of the Camp, Training Programme .	Seminar/ Conference/Workshop/Camp	Organiser	Date
1.	Orientation Course for Programme Officer	NSS Training & Orientation center Ahmednagar	NSS, TOC, Ahmednagar College, Ahmednagar	26/09/2001 to 05/10/2001
2.	Utkarsha-2013	Cultural Competition	NSS Unit, BVDU, Pune	14/12/2013 To 16/12/2013
3..	Disaster Management Training Programme	NSS, Special Winter Camp	Nagari Sanrakshan Dal, Pune	23/01/2014 To 27/01/2014
4.	Leadership Development Training Programme	Training Programme	NSSUnit, I.M.E.D., Pune-38	02/12/2015 To 04/12/2015

The Refresher/ Orientation/ Faculty Development courses attended:

Sr. No.	Course	University/ Institution	Venue	Period
1	Refresher course in Organic Chemistry	Pune University	Department of Chemistry University of Pune, Pune-411007	13/03/2000 to 08/04/2000
2	Orientation Course	Pune University	A.S College, University of Pune, Pune-411007	01/11/2000 to 28/11/2000
3.	Refresher course in Chemistry	Pune University	Department of Chemistry,University of Pune, Pune-411007	08/11/2011 to 28/11/2011

4.	Faculty Development Programme in Chemistry	Savitribai Phule Pune University, Pune	Department of Mathematics, Savitribai Phule Pune University, Pune	07/12/2015 to 12/12/2015
----	--	--	---	--------------------------

The Seminars / Conferences / Workshops Attended:

Sr.No.	Theme of the Seminar/ Workshop /Conference	Seminar/ Conference/ Workshop	Organiser	Period
1	Micro Scale Techniques & Preparations in Organic Chemistry	Workshop	Abbasahab Garaware College, Pune-411004	13/07/1998 to 16/07/1998
2	Impact of Pollution on Biosphere	Seminar	Y.M.College, Pune-38.	11 th & 12 th Feb. 2000
3	Recent trends in Bio-informatics	Seminar	Y.M. College, Pune-38	01/10/2002
4	Materials for energy conversions	Seminar	Y.M. College, Pune-38	20/09/2003
5	New Trends In Spectroscopic Analysis	Seminar	B,J, S. College, Wagholi, Pune.	13/01/2004
6	Recent Experimental Techniques in Science	Seminar	Y.M. College, Pune-38	27/08/2005
7	International Conference on” Current Trends In Medicinal Plant Research”	Conference	Dept.of Botany, University of Pune, Pune411007	10/01/2012 to 12/01/2012
8	Quality Improvement Schemes of Various Funding Agencies.	Faculty Development Programme	Academic Staff College, BVDU,Pune.	19/10/2013
9	Frontiers of research in chemistry	Seminar	Dept. of Chemistry, S.G.M.College, Karad.	26 th & 27 th Dec. 2014
10	1 st National Teachers Congress	Conference	MAEER’s MIT Group of Institutions, Pune	23/09/2016 to 25/09/2016
11	National Conference on: Indian Higher Education: Challenges of Autonomy and Accountability.	Conference	MIT-ADT, University, Pune	19/08/2018

Webinars Attended:

Type & Level	Title of the Webinar	Name & Address of the Organiser	Date
National Webinar	NAAC Awareness Program-AQAR	Webinars at NAAC	14/05/2020
State Webinar	Lokmat Covidya Webinar	Lokmat	19/05/2020
National Webinar	Physical and Emotional Development of Youth for Better Society:Extension and Outreach Activity	Webinars at NAAC	19/05/2020
National webinar	AAC Assessment and Accreditation Process for Affiliated/ Constituent Colleges	Webinars at NAAC	21/05/2020
State Webinar	Revised Assessment and Accreditation Process for Affiliated/ Constituent Colleges	IQAC Cluster of India	21/06/2021 to 24/06/2021
State Webinar	Revised NAAC-AQAR format	IQAC, BVDU,Pune	05/07/2021