


## CURRICULAM VITAE

<p><b>Dr. DIGAMBAR D. GAIKWAD</b> <b>HOD &amp; Associate Professor (MES-I)</b> <b>M. Sc, M. Phil, Ph. D., NET, JRF, B. Ed.</b> Department of Chemistry, Govt. Institute of Forensic Science, Aurangabad-431001 (MS), India. Cell No. 9422552449, 9657516391 <b>E-mail:- <a href="mailto:gaikwad.dd.dg@gmail.com">gaikwad.dd.dg@gmail.com</a></b> <b><a href="mailto:gaikwad_dd@yahoo.com">gaikwad_dd@yahoo.com</a>.</b></p>	
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### **I. PERSONAL DETAILS**

Name : **Dr. Digambar Dharma Gaikwad**  
Date of Birth : **4<sup>th</sup> April 1972**  
Nationality : **Indian**  
Marital Status : **Married**  
Gender : **Male**  
Languages Known : **English, Hindi and Marathi**

### **II. EXPERIENCE**

Teaching experience : **15-Onward Years**  
Research experience : **12 Years**

### **III. CAREER OBJECTIVES**

To work in an esteemed organization with the desire of level against my skills in a challenging and fast paced environment. Seeking challenging position that utilizes my knowledge and abilities.

### **IV. RESEARCH INTERESTS**

Synthetic Organic Chemistry, Synthesis of Natural products, Heterocyclic Chemistry, Polymer Synthesis and Reterosynthesis.

## V. EXPERIMENTAL SKILLS

- The handling skill of <sup>1</sup>H-NMR, IR, UVetc.
- Carried out various reactions, including functional group transformations and various C-C bond forming.
- Scaling up of reaction from milligrams to grams scale.
- Ability to work independently as well as in groups.
- Expertise in modern spectroscopy techniques and chromatographic techniques and interpretation of spectral data such as <sup>1</sup>H-NMR, <sup>13</sup>CMR, IR, MASS, HPLC, GC-MASS etc.
- Carried out multistep organic synthesis.

## VI. PAPER PUBLISHED

1. Review Article on Gender Sensitization and its Awareness, AJANTA, VII(II), 2018, 87-104 (IF 5.2)
2. Gender Sensitization for the Improvement of Society through Education, AJANTA, VII(I), 2018, 48-50 (IF 5.2)
3. Efficient Ultrasound Synthesis And Biological Screening Of Metal Complexes Of N-(4-Methoxybenzylidene) Isonicotinohydrazone, *World Journal of Pharmacy and Pharmaceutical Science*, 5(02), 2016, 1153-1161 (IF 6.805)
4. Synthesis, Characterization And Biological Evaluation Of Transition Metal Complexes M(II)Derived From N, O-Bidentate Ligands, *World Journal of Pharmacy and Pharmaceutical Science*, 5(04), 2016, 707-714 (IF 6.805)
5. Efficient Ultrasound Synthesis and Antimicrobial Studies of Novel Schiff Bases of Isoniazid, *IJCPS*, 3(07), 2015, 1832-1835.
6. Ionic liquid mediated synthesis of Schiff bases under reflux condition, *JOCPR*, 7(09), 2015, 242-246.
7. Environment Friendly Synthesis of Pyranopyrazoles by aBronsted-acidic Ionic Liquid as a Green and Reusable Catalyst, *Current Global Reviewer*, 01(07), 2015.

8. Eco-friendly Synthesis of Substituted Indazoles from Hydrazones, *Journal of Chemistry and Chemical Sciences*, 5(11), 2015, 639-648.
9. Synthesis of 1,3-disubstituted pyrazoles using ionic liquid, *Journal of Chemical and Pharmaceutical Research*, 2016, 8(4):202-206
10. Synthesis of substituted indazoles from N-tosylhydrazones using ionic liquid, *Journal of Chemical and Pharmaceutical Research*, 2015, 7(11):533-539.
11. Synthesis of substituted indazoles using ionic liquid and microwave, *International Journal of Advanced Research in Basic & Applied Science*, 2(01),2015.
12. Efficient Ultrasound Synthesis and Antimicrobial Studies of Novel Schiff Bases of Isoniazid, *International Journal of Chemistry and Pharmaceutical Sciences*, 3(07), 2015.
13. Ionic liquid mediated synthesis of Schiff bases under reflux condition, *Journal of Chemical and Pharmaceutical Research*, 2015, 7(9):242-246.
14. Drug and Cell Delivery for Cardiovascular Regeneration System, *World Journal of Pharmacy and Pharmaceutical Science*, 4(09), 2015, 1582-1617 (IF 5.210)
15. Synthesis of Indazole Motifs and Their Medicinal Importance: An Overview, *European Journal of Medicinal chemistry*, 90(2015),707-731 ( IF 3.43)
16. Molecular Iodine: Efficient Catalyst for the Synthesis of Baylis-Hillman Adducts, *Orbital: The electronic journal of Chemistry*, April-June 2014, Vol No. 01, 44-47:(IF 0.483)
17. Application progress of Recent Advance in Some Copper Catalyzed Coupling Reactions, *Mini-Reviews in Organic Chemistry*, 2013, 10, 281-301.( IF 1.063)
18. Silica Sulfuric Acid Catalyzed one pot synthesis of Biginelli Reaction

in water, *Orbital: The electronic journal of Chemistry*, January-March 2013, Vol No. 01 : 17-22 (IF 0.483)

19. Pharmacognostical and phyto Physicochemical investigation of Mangifera Indica Linn, *Int. J. Res. Pharm. Sci.*, 2013, 4(2), 270-275.
20. Solid Lipid Nanoparticles: A promising Drug Delivery System, *IRJP*, 2012, 3(2), 100-105.
21. Permanganate Oxidation of Ethyl-2-Chloroacetoacetate: A Kinetic and Mechanistic Study, *IJERA*, 2012, 2(1), 558-561. (IF 1.325)
22. Silica Sulfuric Acid: An Efficient Catalyst for the Synthesis of Substituted Indazoles, *J. Iran. Chem. Res.* 3 (2010) 191-194
23. Ocular Inserts: A Review, *DIT*, 2010, 2(1), 57.
24. Synthesis and Spectral Study of 1-(1-Hydroxycyclohexane-1-yl)-N-Substituted Thioamido from Amidinobenzyl, *IJABPT*, 2010, Vol. 1(3), 1016.
25. Silica Sulfuric Acid : An Efficient Catalyst for the Synthesis of Substituted Indazoles, *Der Chemica Sinica*, 2010, 1(2), 29-34.
26. Kinetic & Mechanistic study of oxidation of ester by KMnO<sub>4</sub>, *I. J. Chem. Tech.* 2010, 2(1), 241.
27. Molecular iodine as an efficient catalyst for the synthesis of indazole, *I. J. Chem. Tech.* 2009, 1(2), 442.
28. Physicochemical Analysis of Pochampad Dam Backwater of Godavari River on Maharashtra and Andrapradesh, *Pollution Research*, 2008, 27, 137.
29. A convenient method for the rapid oxidation of alcohols to carbonyl compounds by using CrO<sub>3</sub> / Na<sub>2</sub>CO<sub>3</sub> under solvents free conditions, *OCAIJ*, 2008, 4(2), 125.
30. An efficient Baeyer-Villiger Oxidation of Ketones by using Molecular Iodine/ H<sub>2</sub>O<sub>2</sub> as heterogeneous catalytic system, *Synthetic Comm.*, 2007, 37(23), 4093. (IF 1.060)

31. Facile Synthesis of Nitriles from Aromatic Aldehydes by using DMSO-I<sub>2</sub>, *Synthetic Comm.*, 2007, 37,257.(IF 1.060)
32. Convenient and Facile Synthesis of Isoxazolines to Isoxazoles, Pyrazolines to Pyrazoles by using DMSO-I<sub>2</sub>, *OCAIJ*, 2006,2,01.

**VII. BOOK PUBLISHED**

1. Natural Heterocycles, Extraction & Biological Activity,*NOVA SCIENCE PUBLISHERS INC., NEW YORK (USA), ISBN: 978-1-62257-636-4*
2. A Text Book Of Chemistry, 2014, ISBN NO. 978-81- 905776-101-5, NABH PRAKASHAN

**VI. PAPER AND POSTER PRESENTATION**

1. Regional Workshop on National Service Scheme, Organized by Dr. BabasahebAmbedkarMarthwada University, Aurangabad date:- 03/09/2015
2. Regional Workshop on Analytical Chemistry Teachers and Research Association, Dr. RafiqZakaria College for Women, Aurangabad, date:- 30/08/2015
3. **100<sup>th</sup> Indian Science Congress** held in Kolkata University, Kolkata from January 3 to7, 2013.
4. **99<sup>th</sup> Indian Science Congress** held in KIIT University, Bhubaneshvar, Odessa from January 3 to7, 2012.
5. **98<sup>th</sup> Indian Science Congress** held in SRM University, Kattankulathur, Tamil Nadu from January 3 to7, 2011.
6. International Conference on “*Hetrocyclic Chemistry*”, Dept. of Chemistry, University of Rajasthan, Jaipur. 16<sup>th</sup> Dec 2006.
7. International Conference on “*Drug Discovery and Nanotechnology*”, Dept. of Chemistry, YeshwantMahavidyalay, Nanded. 27<sup>th</sup> Jan.2008.
8. International Conference on “*Emerging trends in Chemistry*”, Dept. of Chemistry, University of Pune, Pune. 5<sup>th</sup>Jan 2010.
9. National Cnference on “*Drug designing and Synthesis*” Dept. of Chemistry, Dr.Ambedkar College, Nagpur, 19<sup>th</sup> Jan.2007.
10. National Conference on “*Role of Green Chemistry in the emerging ares of applied Sciences*” Dept. of Chemistry, Shrikrishan, Mahavidyalaya, Gunjoti (Maharashtra). 6<sup>th</sup> jan.2007.

11. National Conference on "***Green chemistry and its Perspective***, Dept. of Chemistry, SantGadgeBabaAmravatiUniversity, Amravati. 11<sup>th</sup>Feb 2008.
12. National Conference on "***Recent trends in Chemical sciences***" Dept. of Chemistry, SBES college of Sciences, Aurangabad, 1<sup>st</sup> Feb. 2008.
13. National Conference on "***Recent Advancements in Studies of Metal Complexes***" Dept. of Chemistry, SciencesCollege, Nanded, 15<sup>th</sup> March 2008.
14. National Conference on "***PresentScenario of Environmental Pollution and its Effect on Living Organisms***" Dept. of Zoology, Govt.College of Arts & Science, Aurangabad, 9<sup>th</sup>Dec. 2009.
15. State level Conference on "***Recent Advance in Green Chemistry***" Dept. of Chemistry, VaidayanathCollege, Parli-V, 12<sup>th</sup>Feb. 2010.
16. National Level Seminar on "***Teaching Chemistry what do we aim for***" Dept. of Chemistry, NetajiSubhash Chandra Bose College Nanded, 29<sup>th</sup> March 2007.
17. National Level Seminar on "***Advances in Pollution Control Technology***" organized by Department of Env. Sci., Dr. BAMU, Aurangabad during 26<sup>th</sup>& 27<sup>th</sup> February 2008.
18. National Level Seminar on "***Recent Research trends in Chemistry***" Dept. of Chemistry, MilindCollege of science, Aurangabad, 15<sup>th</sup> Feb.2008.
19. National Level Seminar on "***Recent Advance in Chemical Kinetics Co-ordination and Nanochemistry,***" Dept. of Chemistry, RajarshiShahuMahavidyalayaLatur, 23<sup>th</sup>Jan.2009.
20. State Level Seminar on "***Counselling for happyliving***"Govtcollege of Arts and Sciences, Aurangabad, 18<sup>th</sup> Decb.2008.
21. State Level Seminar on "***New Emerging trends in Chemistry***", Dept. of Chemistry, Shri Shivaji college, Parbhani, 18<sup>th</sup> March 2006.
22. Regional Level Seminar on "***Use of Reterosynthetic Approach in Organic synthesis***" Dept. of Chemistry, Balbim Arts, Sciences & Commerce College, Beed, 26<sup>th</sup> Oct.2004.

## VII. MEMBERSHIP

- Life membership of “*Analytical Chemistry Teachers and Research Association*”.
- Life membership of “*Indian Science Congress*”.

## VIII. ACADEMIC CONTRIBUTION AND AWARDS

1. Working as NAAC and RUSA co-ordinator Govt. College of Arts & Science, Aurangabad from 2014 to 2019
2. Working as Team Leader for “**NATIONAL AND STATE PRE-REPUBLIC DAY PARADE STATE LEVEL SELECTION CAMP**”, NANDED (MS) Date:-09 to 11 Sept.2015
3. Working as Director for *Co-operative Society*, Govt. College of Arts & Science, Aurangabad from 2009 to 2019
4. Working as a *National Service Scheme (NSS)*, Program Officers since August 2014 to 2018.
5. Deputed as *Centre Chief for UPSC & MPSC Examination*, Aurangabad.
6. Worked as *Centre Chief for University Examination*, Dr. BabasahebAmbedkarMarathwad, University, Aurangabad.
7. Worked as *Head of the Sports Departments*, Govt. College of Arts & Science, Aurangabad.
8. Deputed as *Chair Person* by Joint Director for College Verification for Aurangabad & Dhule 2014-15.
9. Deputed as *Zonal Officer by Election Commission* for Loksabha and Vidhansabha, Aurangabad-2014
10. UGC, New Delhi has Awarded of “**Post Doctoral Fellowship**” for the year 2011-12 during Financial Year 2013-14.
11. Ph. D. Supervisor Recognized in the subject of Chemistry, GODWANA UNIVERSITY, GADACHIROLI, (MS) INDIA.
12. Ph. D. Supervisor Recognized in the subject of Chemistry, SHRI JAGDISHPRASHAD JHABARMAL TIBREWALA UNIVERSITY, RAJASTHAN, INDIA.
13. UGC, New Delhi has sectioned 75,000Rs. For Minor Research Project on the studies in “*Synthesis of Venlafaxine Derivatives and Medical uses*”. [File No. 47-301 /12 (WRO), Date: - 26Feb. 2013].

14. Worked as a treasure in **National conference** on “*Present Scenario of Environmental Pollution and its effect on Living Organisms*” held at Dept. of Chemistry, Govt.College of Arts & Science, Aurangabad-431001. 9<sup>th</sup>-11<sup>th</sup> Dec. 2009.
15. Worked as a Resource Person in “*Applied chemistry*” held at Dept. of Chemistry, Govt.College of Arts & Science, Aurangabad-431001. 28<sup>th</sup> Jan.2009.
16. UGC, New Delhi has sectioned 1, 25,000 Rs. For Minor Research Project on the studies in “*Highly Regioselective synthesis of Isoxazoles, Pyrazoles and Indazoles by using DMSO-I<sub>2</sub>*”. [File No. 47-546 / 08 (WRO), Date: - 15 Jan. 2009]. This project is completed in 2011
17. Ph. D. Completed from SRT University, Nanded under the guidance of Dr. Pawar R. P. entitled “*New Synthesis and Antibacterial Study of some Hetrocyclic Compounds and  $\gamma$ -Ketoacids*” Awarded Sept.2010.
18. M. Phil completed from University of Pune under the guidance of *Dr. Lokhande P. D.* entitled “*Regioselective Synthesis of 3, 5-diaryl pyrazole and Isoxazole, synthesis of Indazoles and  $\alpha$ -alkyl- $\gamma$ -ketoacids*” Awarded 16 May 2007.

#### IX. COMPUTER KNOWLEDGE

Working experience in MS-Word, MS-Excel, Power Point and Chem. Draw.

#### X. REFERENCES

<p><b>DR. PAWAR R. P.</b>            Dept. of Chemistry,( Head &amp; Reader)            Deogiri College, Aurangabad-431001  <b>(MS), India.</b>            Cell No. +91-9421003806            E-mail: rppawar @yahoo.com.</p>	<p><b>DR.MAHENDRA D. SHIRSAT</b>            Professor &amp; Head, Dept. of Physics,            Dr. BabasahebAmbedkarMarathwada            University, Aurangabad-431004  <b>(MS), India.</b>            Cell No. +91-9422291987            E-mail: mdshirsat@gmail.com</p>
<p><b>DR. OMPRAKASH YEMUL</b>            Associate Professor,  <b>Dept. of Chemistry,</b></p>	<p><b>DR. MAZAHAR FAROOQUI</b>            Associate Professor,            Maulana Azad Research Center,</p>



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## **Declaration**

I here by declare that the information furnished above is true to the best of my knowledge.

**DR. DIGAMBAR D. GAIKWAD**

**(Associate Professor)**

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