

## Curriculum Vitae

### **Dr. Arvind Karbhari Aghao**

Associate Professor  
Department of Chemistry,  
Balbhim Arts, Science and Commerce College, Beed-431122  
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### TEACHING EXPERIENCE

- Undergraduate-14 Years
- Post graduate-14 Years
- PG recognized teacher.

### RESEARCH INTERESTS

Medicinal Chemistry, Coordination Chemistry, Organic Synthesis, Green Chemistry, Heterocyclic Chemistry.

### EDUCATION

**PhD** From Dr.Babasaheb Ambedkar Marathwada University Aurangabad (MS)-2016

Dissertation: "Synthesis And Characterization of Some Schiff-Base Metal Complexes"

**NET CSIR JRF**, June-2007- University Grants Commission

**SET (State Eligibility Test)**, Feb-2007- University of Pune

**GATE (AIR-85)** ,Feb-2007- Ministry of Human resource and development, Govt. of India

**M.Sc. Chemistry**, June 2005 – Dr.Babasaheb Ambedkar Marathwada University Aurangabad (MS)

**B.Sc. Chemistry-Physics-Computer Science**, June 2003- Dr.Babasaheb Ambedkar Marathwada University Aurangabad (MS)

### APPOINTMENTS

**Assistant Professor:** Balbhim Arts, Science and Commerce College, Beed(MS), Department of Chemistry, July 2007 to Present.

**Project Assistant:** National Chemical Laboratory Pune, Homogeneous Catalysis division, 16-02-2006 to 23-08-2006.

### **RESEARCH WORK COMPLETED**

Completed one Minor research Project" Synthesis of 3,4-dihydro pyrimidin-2-(1H) ones by green approach" funded by UGC.

### **MEMBERSHIPS**

Life member of "Journal of basic and applied Sciences"

### **ACTIVE REVIEWER**

- Journal of Advanced scientific research

### **STUDENTS GUDED:**

3 Students Ph.D. ongoing

### **ADMINISTRATIVE RESPOSIBILITIES:**

- Working as Co-ordinator Training and Placement Cell Balbhim College Beed.
- Worked as Member of admission committee.
- Worked as Member of NIRF Committee.
- Worked as member of Paper setting committee Agrochemicals and fertilizers.

### **LIST OF PUBLICATIONS:**

1. **A.K.Aghao**, Dr.D.M.Janrao, M.A.Sakhare, S.D.Janrao "Efficient  $\text{Al}_2\text{O}_3$ ,  $\text{MnCl}_2 \cdot 4\text{H}_2\text{O}$ ,  $\text{SrCl}_2 \cdot 6\text{H}_2\text{O}$ ,  $\text{CaCl}_2 \cdot 4\text{H}_2\text{O}$  catalyzed Synthesis of 3, 4-Dihydropyrimidin-2(1H)-ones by grindstone approach" *J.of Basic and Applied Sciences* 2014, 143-147 ISSN-2229-3302.
2. Dr.D.M. Janrao, **A.K.Aghao**, M.A.Sakhare, S.S. Undare "Synthetic Studies of Schiff base Ligands derived from Condensation of Disalicylacetone and guanidine" *J.of Basic and Applied Sciences* 2012,(8)12-14 ISSN-2229-3302.
3. P.K. Vibhute, **A.K. Aghao**, P. Shrinivas, M. Lakshmi Kantam, "N<sup>4</sup>- Tetradentate Dicarboxyamidate/ Dipyridyl Palladium Complexes as Robust Catalyst for Heck reaction of deactivated Aryl Chloride" *Contours and Nuances of Research and Research Methodology*, 2015 pp.649, ISBN-978-93-84593-54-4.
4. D. P. Gholap, **A.K. Aghao** "Synthesis and characterization of Schiff base ligands derived from 2-amino pyridine and 3-aminophenol by u sing green approach" *Der Chemica Sinica*, 2015, 6(10),:34-37 ISSN:0976-0805.
5. M.A.Sakhare, M.V. Kokil, **A.K. Aghao**, S.S. Undare "Preperation and Characterization of

N,N-disubstituted thiourea and their transition metal complexes" *J.of Basic and Applied Sciences*. 2011, 48-50, ISSN-2229-3302.

6. **A.K. Aghao**, D. M. Janrao, Siddharth Janrao "Synthesis and characterization of Some Novel Schiff Base ligands Derived from 3- Hydroxyquinoxaline-2-Carboxaldehyde" *Der Chemica Sinica*, 2015 ,6(3) : 68-72, ISSN:0976-8505.

7. **A.K. Aghao**, D. M. Janrao, Siddharth Janrao, S.A. Survase "Synthesis and Characterization of Mn (II),Co(II), Ni(II), Cu(II) and Zn(II) Complexes derived from 3-[(pyridine-2-ylimino) methyl] quinoxalin-2-ol" *Der Chemica Sinica*, 2015 6(5):90-95, ISSN:0976-8505.

8. **A.K. Aghao**, D. M. Janrao, Siddharth Janrao, P.K. Vibhute "Synthesis and Characterization of Mn(II),Co(II), Ni(II), Cu(II) and Zn(II) Complexes derived from 3-((3-hydroxyphenylimino) methyl) quinoxalin-2-ol" *International Journal of ChemTech Research* ,2015 Vol.8, No.3, pp 1184-1188, ISSN: 0974-4290.

9. **A.K. Aghao**, D. M. Janrao, Siddharth Janrao, Mazhar Farooqui "Synthesis, characterization and Antibacterial activities of some Transition Metal Complexes derived from novel ligand 2-{{E}-[(3-hydroxyquinoxalin-2-yl)methylidene] amino}benzoic acid " *J. Pharm. Res.* 2016,5 (5), 94-99; ISSN: 2319-5622.

10. **A. K. Aghao**, S. B. Jadhav, D. P. Gholap "A Clean and Highly Efficient Synthesis of 4,4'-(Arylmethylene)bis(3-methyl-1H-pyrazol-5-ol) derivatives using Mg(SO<sub>4</sub>).7H<sub>2</sub>O as Homogeneous catalyst" *Curr. Pharm. Res.* 2019, 408, 66-71;ISSN-2230-7842.

11. **Arvind Aghao**, M.A. Sakhare , P.K. Vibhute "Synthesis, Characterization And Biological Screening Of 3-(2-Amino Pyrimidin-4-Yl) Quinoxalin-2-Ol Derivatives" *Our Heritage* 2020, ,Vol-68, Special Issue-12,200-206;ISSN:0474-9030.

12. Prashant K. Vibhute, **Arvind K. Aghao**, S.B.Jadhav, M.A.Sakahre, Bhaskar S Dawane "Synthesis And Characterization Of 2-(2-Hydroxybenzylideneamino) Acid Derivatives and It's Ni(II), Cu(II) Complexes As Microbial Growth Inhibitors" *Our Heritage* 2020, ,Vol-68, Special Issue-12,272-278;ISSN:0474-9030.

13. Satish B. Jadhav, Prashant K. Vibhute, **Arvind K. Aghao**, Yogesh N. Bharate "Design, Synthesis And Microbial Activity Of Some Novel 4,6-Diphenyl-2-Amine Pyrimidine Derivatives"

*Heterocyclic Letters* Vol. 10| No.1|73-78|Nov–Jan|2020 ISSN : (print) 2231–3087 / (online) 2230-9632.

14. Yogesh N. Bharate, Mahadeo A. Sakhare, **Arvind K. Aghao**, S. D. Naikwade “Synthesis, Characterization And Antibacterial Screening Of Co[II], Ni[II], Cu[II] Acetate And Vn[II] Oxysulphate Complexes Of Schiff Base Ligand” *Journal of advanced scientific research* 2020,11(3),239-245.ISSN 0976-9595.

15. **Arvind K. Aghao** “Synthesis, characterization and Antibacterial activities of some Transition Metal Complexes derived from novel ligand 2-{{(E)-[(3-hydroxyquinoxalin-2-yl)methylidene] amino}benzoic acid” *Journal of advanced scientific research* 2020,11 Suppl.2,34-41:ISSN 0976-9595.

**Place:Beed**

**Dr. Arvind K. Aghao**

