PERSONAL PROFILE

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| **Dr. Bapu ArjunYamgar***M.Sc.Ph.D*Associate ProfessorDapoli Urban Bank Senior Science College, Dapoli Ph. No.: 09049049413(M)Email:bayamgar@gmail.com**Vidwan-ID : 505973** | C:\Users\Admin\Desktop\Yamgar-photo.jpg |
| **1.Background**Dr. B.A.Yamgar received his M.Sc degree in Chemistry from Shivaji University and Ph.D. in Chemistry from the same university in 2010 under the direction of Professor S.S. Chavan. He got Junior Research Fellowship (JRF) of U.G.C. Research fellowship in sciences for meritorious student based upon his work. He was awarded Ph.D. in 2010 by the Shivaji university for his work in the area of coordination chemistry and he worked on "synthesis and characterization of transition metal heterocyclic azo complexes". He published more than eighteen scientific articles in international well reputed journal. He attended and presented more than thirty papers in learned conferences, workshops and symposia in local, national and international level. His research area is the design, synthesis, and application of inorganic hybrid functional molecules. He has twelve years teaching experience in undergraduate as well as postgraduate level. As programme officer of N.S.S. he organized various workshops, camps and also published blood donor directory of Dapoli tasil including more than 500 donors.  |
| **2. Role in college admistration, Co-Curricular and Extra Curricular Activities****Member of IQAC, 2012-2024****Coordinator :** Research, Innovation and extension **Coordinator:** Aavishkar Research convention **2018-2024** **Coordinator** : Competitive Examination Coaching Centre **2016-2018**Programme Officer (National Service Scheme) **2012-2015****Organizing Secretory**: one day **International seminar on Emerging Trends in Chemical Science** organized by Department of Chemistry 17 Feb **2023****Organizing Secretory**: Two days **National Online Conference on Recent trends in Life science, Energy and Environment (NCRLEE 2021)** organized by Department of Life Science. 22,23 september **2021****Coordinator**: Organizing Committee of District level workshop on Bee Keeping 10,11 Feb. **2015,** **Organizing Member :** Organizing Committee **of National Conference on Recent Advances in Chemical and Material Science**-5,6 Feb. **2016,****Organizing Member**: National conference on Organizing Committee of **Best practices in academic and college administration, Dapoli urban bank senior science college dapoli, National 2016****Team Leader** of Mumbai University (N.S.S.) for **State level special camp of National Service Scheme** at Vitthalrao Shinde College, Tembhurni, Solapur, 25-31 Jan **2014** |
| **3. Topic of interest** | Functional Coordination Chemistry, Organic-Inorganic Hybrid Materials, Fluorescence spectroscopy |
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| **4. Research Publications** |
| 1 | Physicochemical analysis of groundwater quality by using Water Quality Index method **Bapu Yamgar,** International Journal of Advance and Applied Research **4( 33) 2023** |
| 2 | Physicochemical characterization of Jaggery sample **Bapu Yamgar,** International Journal of Advance and Applied Research **4( 38) 2023** |
| 3 | Removal of Toxicity of Fluoride from Water Sample Using Natural Substances **Bapu Yamgar, Manoj Lad,** Journal of Research and Development , **15(22)2023** |
| 4 | C3-Benzylation of Indole and Synthesis of Bis (indolyl) methanes Catalyzed by Schiff Sujit S. Hegade , Gautam A. Gaikwad1, Yuvraj S. Jadhav, Avinash V. Pore, Abhijeet G. Mulik, **Bapu A. Yamgar**, Mangesh S. Kasare. Journal of Emerging Technologies and Innovative Research, **9(1)2022** |
| 5 | Synthesis, Characterization and Biological Activity of Zirconium Metal Complexes Derived from Novel Salens, M.N. Lad, R.M. Patil1, G.B. Sathe, **B.A. Yamgar,**  G P Globalize Research Journal of Chemistry, 6 Issue 1 **2022** : pp 13 – 19 |
| 6 | Synthesis, characterization and studies on biological activity of vanadium metal complexes derived from novel Salens, Lad Manoj N., Patil R.M, Sathe G.B. **Yamgar B.A**. Res. J. Chem. Environ. 26 (1) **2022** |
| 7 | Synthesis, spectral characterization and photophysical properties of thiazolylazo Cu (II) complexes.**Bapu Yamgar,** Journal of Research and Development Vol. 10 (Issue 14) **2020** 1-8. |
| 8 | Zn(II) Complexes of Thiazolylazo Dye: Synthesis, Spectral Characterization And Luminescence Properties, **Bapu Yamgar**, Aayushi International Interdisciplinary Research Journal (AIIRJ) Vol - VI Issue - II (**2019)144-146.** |
| 9 | Synthesis, spectral characterization and photophysical properties of thiazolylazo Cu (II) complexes,**Bapu Yamgar**, Journal of Research & Development Vol. 10 (Issue 14) **2020**, 1-8. |
| 10 | Zn(II) Complexes of Thiazolylazo Dye: Synthesis, Spectral Characterization And Luminescence Properties, **Bapu Yamgar**, Aayushi International Interdisciplinary Research Journal (AIIRJ) Vol - VI Issue - II **2019**, 144-146 |
| 11 | Zn(II) and Cd(II)-azido/thiocyanato complexes with thiazolylazo dye and triphenylphosphine : synthesis, characterization and fluorescenceS.S. Chavan, **B.A. Yamgar**, B.G. Bharate, J. Coord. Chem.66, **2013** 1837 |
| 12 | Synthesis, spectral characterization, thermal and luminescent properties of Zn(II) and Cd(II)- azido/thiocynato complexes with thiazolylazo dye and 1,2-bis(diphenylphosphinoethane)**B.A. Yamgar**, V.A. Sawant, B. G. Bharate, S.S. Chavan, Spectrochem. Acta Part A 78 (**2011**)102  |
| 13 | Synthesis, characterization and catalytic study of Schiff base copper(I) complexes for the amination of arylhalideS.K. Sawant, G.A. Gaikwad, V.A. Sawant, **B.A. Yamgar**, S.S. Chavan, Inorg. Chem.Commun.13 (**2010**)1207 |
| 14 | Manganese(II), cobalt(II) and nickel(II) complexes with 2-phenyl-3-(benzylamino)-1,2- dihydroquinazolin-4(3H)-one, pseudohalides and some bidentate N-donorligandsVaishaliA.Sawant, **BapuA.Yamgar**, SanjayS.Chavan,TransitionMet.Chem.35 (**2010)**357 |
| 15 | Synthesis, characterization and photoluminescence properties of copper (II) azido/thiocynato complexes with thiazolylazo dye and 1,2-bis(diphenyl phosphino) ethane.**B.A.Yamgar**, V.A. Sawant, A.N. Jadhav, S. S. Chavan, Inorg. Chem.Commun.13 (**2010**)1207 |
| 16 | Characterization and electrochemical studies of Mn(II), Co(II), Ni(II) and Cu(II) complexes with 2-mercapto-3-substituted-quinazolin-4-one and 1,10-phenanthroline or ethylenediamine as ligandsV.A. Sawant, S.N. Gotpagar, **B.A. Yamgar**, S.K. Sawant, R.D. Kankariya, S.S. Chavan, Spectrochem. Acta Part A 72 (**2009**) 6 |
| 17 | Copper(II) complexes of thiazolylazo dye with triphenylphosphine and N3 or NCS as coligands: Synthesis, spectral characterization, electrochemistry and luminescence properties.**B.A.Yamgar**, V. A. Sawant, S. K. Sawant, S. S. Chavan, J. Coord. Chem. 62 (**2009**) 2367 |
| 18 | Synthesis, structural characterization, thermal and electrochemical studies of mixed ligand Cu(II) complexes containing 2-phenyl-3-(benzylamino)-1,2-dihydroquinazoline-4-(3H)-one and bidentate N-donor ligandsV.A. Sawant, **B.A. Yamgar**, S.K. Sawant, S.S. Chavan, Spectrochem. Acta Part A 74 (**2009**)23 |

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| **5. Book publications :****Recent trends in Life science, Energy and Environment ISBN: 978-81-953847-1-6 (2021)****Dr. Sandesh Jagdale, Dr. Bapu Yamgar****6. Chapters in Edited Books**1. Couplings of Terminal Alkynes with Benzyl Bromides Catalyzed by Mixed Ligand Transition Metal Complexes Recent Trends in Life Science Energy and Environment ISBN: 978-81-953847-1-6

**7. Papers Presented in Conferences, Seminars, Workshops, and Symposia**1. Couplings of Terminal Alkynes with Benzyl Bromides Catalyzed by Mixed Ligand Transition Metal Complexes, Recent trends in life science energy and environment, Dapoli urban bank senior science college, dapoli, **2021**
2. Specialized Aspects of Organic Chemistry, 18-19 Dec 2012, Spectroscopic determination …….. Ru(III) organic reagent Mumbai  **2012**,
3. National conference on current research in chemical sciences, Zn(II) complexes ……photo physical properties. 22-23 Jan 2013, Kolhapur**, 2013**
4. Decomposition of hydrogen peroxide by lanthanum doped Co-Zn ferrite, Frontiers in Chemical and Biological Sciences, Dr. Vasantraodada Patil, Mahavidhyalaya, Tasgaon, Dist. Sangli, **2014**
5. Synthesis, characterization and antibacterial studies of Cd and Zn complexes of Novel salen molecule. **2015**
6. Recent trends in coordination chemistry, K.B.Patil College, Vashi Mumbai, **2016**
7. Cd(II)–azido/thiocynato complexes of thiazolylazo dye: spectroscopic, thermal and fluorescence properties, Emerging Horizons in biochemical sciences and nonmaterial’s, S.S. College, Barshi, **2013.**
8. Solvent free synthesis of double Schiff base and screening of their antimicrobial activity, recent developments in chemical and material sciences, Dapoli urban bank senior science college dapoli. **2016**
9. Best practices in academic and college administration, Dapoli urban bank senior science college dapoli, **2016**
10. Solvent free synthesis of Schiff base and studies of their antimicrobial activity, Mainstreaming the Marginalized: perspectives in Humanities, Commerce and Science, L.G.M. Art, Commerce, Science college, Mandangad, **2016**
11. Antibacterial Evaluation of Salen-metal complexes, Interdisplinary state level conference on Science for Sustainable development, A.P. Science College, Nagothane, Raigad, Maharashtra. **2017**
12. National conference on recent trends in chemistry, Zn(II) complexes of thiazolylazo dye with N 3 - or NCS - and triphenylphosphine as coligands: Synthesis, spectroscopic and thermal properties. Institute of science, **Mumbai** **2020.**

**8. Workshops**Workshop on ‘ Credit based semester and grading system for S.Y. B. Sc. Chemistry’ organized by BOS, University of Mumbai , D.B.J. College, Chiplun**, 2012**Workshop on ‘M. Sc. Chemistry revised syllabus and credit-grading system’ organized by BOS, University of Mumbai, DUBSSC, Dapoli**, 2012**Participated in Workshop on ‘T.Y. BSC Syllabus’ **2016-17**Workshop on credit based semester and grading system S.Y.B.Sc. **2017**Workshop on Avishkar Research Convention **2017****Carrer catta workshop, university of Mumbai 2021**Participated in Workshop N.S.S. Planning and mini orientation organized by N.S.S. Cell, University of Mumbai, **2013-2014**Participated in Workshop N.S.S. Evaluation Session, Lanja college, Lanja, **2014**State level special camp of National Service Scheme, Vitthalrao Shinde College, Tembhurni, Solapur, **2014**Participated in Workshop N.S.S. Planing and mini orientation organized by N.S.S. Cell, University of Mumbai, **2014-2015**Participated in Workshop N.S.S. Evaluation Session, Mohini Murari Mayekar Arts and Com. College, Chafe, Tal/ Dist. Ratnagiri **2015**Participated in Workshop on ‘Positive Discrimination’ Dapoli **2015****9. Faculty Development Programmes****Profession Development Activities**

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| **Sr. No** | **Name of the Course** | **Place** | **Duration** | **Name of Organizer** |
| 1. | Orientation Course | Goa University | 28 March – 24 April 2014 | ASC, Goa University, Goa |
| 2. | Refresher course | University of Hyderabad | 10July-30 July 2015 | HRDC, University of Hyderabad |
| 3. | Refresher course in chemistry | HRDC University of Hyderabad | 19 Feb-3 March 2020  | HRDC, University of Hyderabad |
| 4. | Two Weeks Faculty Development Programme  | TLC, Ramanujan College, Delhi | May 18 - June 03, 2020.  | Faculty Development Programme |
| 5. | Refresher course in chemistry | TLC, Ramanujan College, Delhi | 11 Mar-26 Mar 2021 | Refresher course in chemistry |
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| One week Faculty Development Programme on  |

National Education Policy-2020 | TLC, Ramanujan College, Delhi | 01-07 February, 2023 | TLC, Ramanujan College, Delhi |
| 7. | One week Faculty Development Programme | TLC, Ramanujan College, Delhi | 10 - 16 October, 2023 | TLC, Ramanujan College, Delhi |

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| **10. Research Project** |
|  | **Sr.No** | **Title** | **Cost** | **Duration** | **Role as****PI** | **Agency** | **Status** |
|  | 1. | Synthesis and spectral properties of azo metal chelate Completed- Funded by UniversityofMumbai | 15000/ | 1year (2013-14) | PI | Mumbai University, Mumbai | Completed |
|  | 2. | Spectroscopic properties of azo metalchelate | 260000/ | 2 year(2019-2022 | PI | University Grants Commissionon(UGC) | Completed |
|  | 3. | Hybrid Inorganic – Organic Functional Material for Intense Luminescence | 50000/ | 1year (2021-22) | PI | Mumbai UniversityMumbai | Completed |