

Dr. B. S. Jagdale

Principal, Mahatma Gandhi Vidyamandir's

Arts, Science & Commerce College, Manmad, Nashik-423104,

MS, India.



Objective: To constantly upgrade my knowledge and skills to impart quality education and work for community.

Details	
Full Name	Dr. Babu Sonu Jagdale
Designation	Principal, Mahatma Gandhi Vidyamandir's Arts, Science & Commerce College, Manmad, Nashik - 423 104 (MS)
Date of Birth	01.06.1968
Academic Qualification	M.Sc., Ph.D. (Chemistry)
Administrative and Teaching Experience	30 years teaching and 15 years as principal
Achievements during the tenure of Principal	<ul style="list-style-type: none">❖ 'Best College Award' for LVH College by SPPU, Pune for the year 2016.❖ Reaccredited by NAAC with Grade "A" in the second cycle of the accreditation of college.❖ Awarded by the Govt. of Maharashtra for 'Best College Magazine' in the State.❖ Award by the Govt. of Maharashtra for 'Jagar Janivancha' (Awareness campaigns for Women's Empowerment).❖ Award by the SPPU, Pune for the Best College Magazine "Parijat" in the University.❖ Introduction of UGC sanctioned Bachelor of Vocation under two specializations i.e. Automobile Technology & Retail Management. (Funded - Rs.1.85 Cr.)❖ Mr. Anup Sonar got selected in Princeton University, New Jersey, USA for Computer Science with scholarship of Rs. 1.75 Cr.❖ Miss. Vrunda Rathi stood 1st in JEE Mains Exam in all over India.❖ 23 students got selected in various IIT discipline❖ Participation of students in sports at International Level - 07,

	<p>National Level - 17, State Level - 28, University and other levels - 300.</p> <ul style="list-style-type: none"> ❖ Mr. Pratik Borse (Shooting) got 3 gold medals at International events. ❖ Mr. Siddharth Pardeshi (Swimming) got 1 gold and 2 silver medal at International events and received Best University Player Award, SPPU, Pune. ❖ Murtuza Trunkwala and Satyajit Bachhav got selected in Maharashtra State Ranji Trophy Cricket Team. ❖ Miss. Prajakta Khalkar got Gold medals in National Khelo India and University Khelo India competitions. ❖ Mr. Vishnu A. Adole got gold medal in M.Sc. chemistry for securing first position. ❖ Many students have qualified competitive examinations. ❖ Started many innovative programs which are beneficial for students as well as society. One of the most influencing programs is 8th, 9th, and 10th science practical exhibition especially for rural and tribal students.
<p>Work experience on various Committees</p>	<p>A. In Mahatma Gandhi Vidyamandir</p> <ul style="list-style-type: none"> ❖ Trustee, Mahatma Gandhi Vidyamandir, Nashik. ❖ Coordinator, Higher Education, Mahatma Gandhi Vidyamandir, Malegaon. ❖ Member, College Development Committees of 9 Colleges of Mahatma Gandhi Vidyamandir. ❖ Member, IQAC of all Colleges of Mahatma Gandhi Vidyamandir <p>B. At University Level</p> <ul style="list-style-type: none"> ❖ Secretary, Principal forum, Nashik District. ❖ Vice Chancellor Nominee on selection committee for appointment of Principal ❖ Subject Expert on Selection Committee for appointment of lecturer ❖ Chairman, Local Inquiry Committee ❖ Member, Local Inquiry Committee <p>C. Other</p> <ul style="list-style-type: none"> ❖ UGC Observer, CAS selection for Professor at Kurukshetra

	<p>University, Hariyana.</p> <ul style="list-style-type: none"> ❖ Nodal Officer of Nashik District for National Education Policy. ❖ Member, Regional Direct Taxes Advisory Committee (RTDAC), Nashik. ❖ External expert in College development committee at KK Wagh College, Nashik
Status as a Research Guide	<p>Recognized as a Research Supervisor and guiding Ph.D. Students in the subject of Chemistry.</p> <p>SPPU, Pune Letter No. BUTR/Science/243/76, dated 09.10.2011.</p> <p>Presently 08 students are registered for Ph.D. guidance.</p> <p>01 student submitted thesis.</p>
Awards	<p>“Education Leadership Award” for contribution in the field of Education by Dewang Mehta National Education Awards and Business School Affaire on 21st August, 2017.</p>
Resource Person	<ul style="list-style-type: none"> ❖ Resource Person in the 02 UGC sponsored Refresher Courses for teachers. ❖ Resource Person in a one day State Level seminar on “Role of IQAC in Institutional Quality Improvement” organized by T.C. College, Baramati on 26 Dec. 2015. ❖ Resource person for NAAC preparation in various colleges.
Reviewer of Journals	<ul style="list-style-type: none"> ❖ Medicinal Chemistry Research ❖ IEEE Sensors Journal ❖ Material Science Research India
Patent	<ul style="list-style-type: none"> ❖ “Solar Power Base Automatic Vehicle for Water Transportation” vide Application No. 201621042273, dated 12/12/2016. ❖ Synthesis of Novel Compound (E)-4-(2-(2-(1,2,6,7-Tetrahydro-8H-indeno[5,4- b]furan-8-ylidene)hydrazineyl)thiazol-4-yl)benzonitrile, Application No. 201921037398 A, Date of filing of Application: 17/09/2019, Publication Date: 11/10/2019.
Book	<p>Intermediates and Rearrangements in Organic Synthesis, Himalaya Publishing House, ISBN- 978-93-5262-001-2</p>
Research Projects	<p>A Minor Research Project, sanctioned by UGC (WRO), completed.</p> <p>Sanctioned Amount : Rs. 1,65,000/-</p> <p>Topic: “Synthesis, Theoretical and Anti- bacterial/Fungal Activity</p>

Research Publications

1. Experimental and theoretical exploration on single crystal, structural, and quantum chemical parameters of (E)-7-(arylidene)-1, 2, 6, 7-tetrahydro-8 H-indeno [5, 4-b] furan-8-one derivatives: A comparative study." *Journal of the Chinese Chemical Society* (2020).
2. Ultrasound promoted stereoselective synthesis of 2, 3-dihydrobenzofuran appended chalcones at ambient temperature. *South African Journal of Chemistry* 73, no. 1 (2020): 35-43.
3. Efficient Synthesis, Antibacterial, Antifungal, Antioxidant and Cytotoxicity Study of 2-(2-Hydrazineyl) thiazole Derivatives. *ChemistrySelect* 5, no. 9 (2020): 2778-2786.
4. Aqua-mediated rapid and benign synthesis of 1, 2, 6, 7-tetrahydro-8H-indeno [5, 4-b] furan-8-one-appended novel 2-arylidene indanones of pharmacological interest at ambient temperature. *Journal of the Chinese Chemical Society* 67, no. 2 (2020): 306-315.
5. Effect of firing temperature on structural and electrical parameters of synthesized CeO₂ thick films. *SN Applied Sciences* 1, no. 4 (2019): 315
6. Exploration of catalytic performance of nano-La₂O₃ as an efficient catalyst for dihydropyrimidinone/thione synthesis and gas sensing. *Journal of Nanostructure in Chemistry* 9, no. 1 (2019): 61-76
7. Antibacterial potential of silver nanoparticles synthesized using *Madhuca longifolia* flower extract as a green resource." *Microbial pathogenesis* 121 (2018): 184-189.
8. "Polyethylene Glycol (PEG-400): As Green Reaction Media for Rapid Synthesis of Preparation of Isoxazolinoderivatives and Its Antimicrobial Screening." (2017).
9. Molecular Structure, Vibrational Spectra and theoretical HOMO-LUMO analysis of (E)-3, 5-dimethyl-1-phenyl-4-(p-tolyldiazenyl)-1H-pyrazole by DFT Method *Der Pharma Chemica*, 2016,8 (17):119-128
10. Synthesis, Characterization and Theoretical Study of 3-(4-bromophenyl)-5-(2,4-dichlorophenyl)-1-phenyl-4,5-dihydro-1H-pyrazole *Journal of Applicable Chemistry* 2019, 8 (1): 12-19
11. Zinc Oxide Nanoparticle Catalyzed Biginelli Reaction under Microwave Irradiation: An Expeditious and Green Synthesis of Dihydropyrimidinones. *Researchers World: Journal. International Refereed Research Journal Vol.–IX, Special Issue, January 2018, ISSN: 2231-4172,*
12. Synthesis, Characterization and Biological Screening of some Biologically potent Chalcones and their Heterocyclic Analogues. *Researchers World: Journal. e. International Refereed Research Journal. Vol- VII- Special Issue 4(4)-Dec-2016, ISSN: 2231-4172,*
13. Investigation of Structural and Spectroscopic Parameters of Ethyl 4-(4-isopropylphenyl)-6-methyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate:a DFT Study, *Chemistry and Biology*

interface, 2020

14. Molecular Structure, Frontier Molecular Orbital and Spectroscopic Examination on Dihydropyrimidinones: A Comparative Computational Approach Journal of Advanced Scientific Research, 2020.
15. SYNTHESIS AND DFT BASED QUANTUM CHEMICAL STUDIES OF 2-(3-BROMOPHENYL)-4-(4-BROMOPHENYL)-2, 3-DIHYDRO-1H-1, 5-BENZODIAZEPINE." 2020. 87-94.
16. Synthesis, Characterization and DFT Studies of 2-[(2-substitutedphenyl) carbamoyl] benzoic acids. (2016). Journal of Chemical, Biological and Physical Sciences. Journal of Chemical, Biological and Physical Sciences, 7(1), 167-175.
17. Poly (ethylene glycol)(PEG-400): A green approach towards synthesis of novel pyrazolo [3, 4-d] pyrimidin-6-amines derivatives and their antimicrobial screening. "Archives of Applied Science Research 6, no. 2 (2014): 61-66.
18. DFT study on vibrational spectra and HOMO LUMO of para chlorobenzohydrazide. Educational Research Multimedia and Publications, India. Vol. 9, 1(2018).
19. Facile green synthesis of ZnO nano particles their characterization and gas sensing performance. Educational Research Multimedia and Publications, India. Vol. 9, 1(2018).
20. Theoretical studies of Molecular Structure, Vibrational Spectra of ethyl-amino -methyl thiozole corboxylate by DFT calculation. Educational Research Multimedia and Publications, India. Vol. 9, 1(2018).
21. Ring closure metathesis: Green approach towards synthesis of hydroxyl flavone derivatives and its anti-fungal screening. Educational Research Multimedia and Publications. Vol. 9, 1(2018).
22. Eco Friendly Synthesis: A Greener Route preparation of new 1, 5 - Benzodiazetins and its antimicrobial activity. International Journal of Research in Engineering and applied sciences. Vol. 6, 8, 2016.
23. A Green Catalyst Clay C (pH 12.5): A Rapid Synthesis for the Formation of Benzothiazepine Derivatives. Researchers World: International referred journal, vol. VII, 8-12, 4(4), 2016
24. DFT study of (2e)-3-(furan-2-yl)-1-(2-hydroxyphenyl) prop-2-en-1-one, Researchers World: International referred journal, vol. VII, 74-78, 4(4), 2016.
25. Heavy metals analysis study by EDS from Ayurvedic antacids drugs. International journal of research in Engineering and Applied Sciences. 5(8), 67-75, (2015).
26. Facile synthesis of 2-amino thiazole derivatives and their biological evaluation International J. Of pharm. Res. Scholars 4(3), 46-49, (2015).
27. Surface tension as function of temperature and concentration of liquid Int. J. of Chemical and Physical sciences. 4(3), 1-7, (2015)

28. A Green Catalyst Clay C (pH 12.5): A Rapid Synthesis for the Formation of Benzothiazepine Derivatives. Researchers World: International referred journal, vol. VII, 8-12, 4(4), 2016.
29. DFT study on vibrational spectra and HOMO LUMO of para chlobenzohydrazide. Educational Research Multimedia and Publications, India. Vol. 9, 1(2018).
30. Synthesis of chalcones and study of their antimicrobial activities. Educational Research Multimedia and Publications, India. Vol. 9, 1(2018).
31. Facile green synthesis of ZnO nano particals their characterization and gas sensing performance. Educational Research Multimedia and Publications, India. Vol. 9, 1(2018).
32. Theoretical studies of Molecular Structure, Vibrational Spectra of ethyl-amino -methyl thiozole corboxylate by DFT calculation. Educational Research Multimedia and Publications, India. Vol. 9, 1(2018).
33. Densities and viscosities of binary mixtures of toluene with methanol, ethanol, propan-1-ol, butan-1-ol, pentan-1-ol, and 2-methylpropan-2-ol at (303.15, 308.15, 313.15) K. Journal of Chemical & Engineering Data, 45(4), 559-563.
34. Densities and viscosities for binary mixtures of benzonitrile with methanol, ethanol, propan-1-ol, butan-1-ol, pentan-1-ol, and 2-methylpropan-2-ol at (303.15, 308.15, and 313.15) K." Journal of Chemical & Engineering Data 45, no. 2 (2000): 214-218.
35. Ultrasonic studies in mixtures of benzonitrile with some alkanols and toluene (2001).
36. Ultrasonic study of binary liquid mixtures of benzonitrile with alkanols (C1-C3) at various temperatures. Acoustics Letters, 22(10), 199-203.
37. Sonochemical studies of binary liquid mixtures of toluene with methanol, ethanol, propan-1-ol, butan-1-ol, pentan-1-ol, and 2-methylpropan-2-ol at 303.15, 308.15 and 313.15 K. Journal of Pure and Applied Ultrasonics, 22(4), 115-122.

**Conferences/Seminars/
Workshop**

- ❖ Organized various International, National, State and Regional Level conferences, seminars and workshops
- ❖ Presented and participated in various International, National, State and Regional Level conferences, seminars and workshops.