

Dr. Ghanasham Bhikaji Sathe
Vice Principal & Head, Department of Chemistry
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Qualifications:

M.Sc. in Organic Chemistry (University Of Mumbai)
M. Phil in Chemistry (Madurai Kamraj University)
Ph.D in Chemistry (University of Mumbai)
CSIR-NET (Dec-2013, 41th All India Rank)
SET (Sep-2015)

Background:

Prof. G. B. Sathe joined Dapoli Urban Bank Senior Science College in June 1997. He did his graduation as well as post graduation from the University of Mumbai with first class. He acquired M.Phil degree in November 2008 from Madurai Kamraj University and Ph.D. degree in August 2012 from Mumbai University. He acted as In-charge Principal of the college from September 2002 to June 2004. He cleared CSIR-NET of Dec-2013 with 41th All India Ranking and SET in Sep-2015.

Role in University administration Curricular, Co-Curricular and Extra Curricular Activities:

Nominated member of Board of Students development of University of Mumbai (from 2023)
Elected member of Board of Studies in Chemistry of University of Mumbai (2017-2022)
Nominated member of Board of Studies in Chemistry of ASC College Deorukh from (From 2019-2024)
Nominated member of Board of Studies in Chemistry of Gogate College Ratnagiri from (From 2023)
Ratnagiri zonal Co-coordinator of Aavishkar Research Convention

Role in college administration, Curricular, Co-Curricular and Extra Curricular Activities:

In-Charge Principal (2002-2004)

Vice Principal (From 2016)

Head, Department of Chemistry (From June 1997)

Convener/Chairman: Steering Committee (1998-2006, 2008-2010), Internal Quality Assurance Cell (IQAC) (2006-2008 & from 2012), Cultural Committee (2005-2006), Purchase committee (2004-2006, 2009-2010), Alumni Committee (2009-2012), Unfair Means Committee (2009-2011), Employment cell (2006-2012), Youth Festival (1999-2000, 2013-2014), NAAC criterion VI (2008-2012), Research and Consultancy (from 2012), Microanalytical Consultancy Laboratory (from May 2013), Time-Table (From 1999), Admission (From 2012)

Member: Steering Committee (2007-2008, 2010-2012), Internal Quality Assurance Cell (IQAC) (2000-2006, 2008-2012), Purchase committee (1997-2004, 2007-2009, 2010-2011), Alumni Committee (1998-2009, from 2012), Unfair Means Committee (1997-2009), Employment cell (1999-2006, from 2012), Library Committee (from 1997), Youth festival (1997-1999, 2000-2012), Local management Committee (LMC) (1997-2002, 2007-2012), Unfair Means Committee (1997-2002), UGC Building Committee (from 2007), Web-site Committee (from 2012), Examination (From 2012), NSS Advisory (2013-2014)

Topics of Interest:

His main topics of interest are Spectroscopy, Stereochemistry, Natural Product Chemistry, Designing of Organic Synthesis, Reagents in Chemistry, Co-ordination Chemistry.

Professional and Public Activities:

- Recognized Research Guide of University of Mumbai (3 students are pursuing PhD)
- Recognized Post Graduate teacher (M.Sc. by theory and by Research) of University of Mumbai
- Worked as member/Chairperson of syllabus drafting committee of M. Sc. Organic Chemistry Semester III-IV (Implemented from AY 2013-2014) & T.Y B.Sc. Semester V & VI (Implemented from 2016-2017) and M.Sc. Sem I and II (to be implemented from 2017-2018)
- Resource person for M.Sc. Part I and II Chemistry at KES Anandibai Pradhan Science College, Nagothane and SRM College Kudal
- Completed Yog Teacher training Camp organised by Patanjali Yogpeeth, Haridwar
- Invited as subject expert for the selection of Assistant professor in various colleges
- Working as examiner for the T. Y. B. Sc and M. Sc. I and II theory and Practical Examinations at University level
- Ex-Member of District Jankalyan Samiti
- Authored Text books of theory and practical course of FY, SY and TYBSC Chemistry published by Sheth Publication

Minor/Major Research Projects Ongoing/completed:

- Research Project Completed-
 - 1) University Minor research Project 2007-2008 (Rs. 26, 000),
 - 2) UGC Minor Research Project 2009-2011 (Rs. 2, 00, 000)
 - 3) University Minor research Project 2011-2012 (Rs. 25,000)
 - 4) University Minor research Project 2014-2015 (Rs. 25,000)
 - 5) University Minor research Project 2019-2020 (Rs. 20,000)

Research Consultancy Projects Ongoing/completed:

Has been instrumental in starting soil, water, leaf, petioles and fertilizer testing consultancy service in college. Through this consultancy the college has made collaboration with Soil Conservation Department of Government of Maharashtra.

Papers Published in International Journal: 14

- **Ghanasham B. Sathe**, Vikas V. Vaidya, Ravindra G. Deshmukh, Maharudra B. Kekare, Vikas S. Kulkarni, Atul C. Chaskar, Synthesis of novel C₂-symmetric salen molecules, *Journal of Applicable Chemistry*, **2013**, 2 (3): 433-437
- **Ghanasham B. Sathe**, Vikas V. Vaidya, Ravindra G. Deshmukh, Extractive Spectrophotometric Determination of Nickel (II), *International Journal of Scientific Research*, Volume 4, Issue 5, 42-44, **2015**.
- **Ghanasham B. Sathe**, Vikas V. Vaidya, Ravindra G. Deshmukh, Extractive Spectrophotometric Determination of Palladium (II) Using Novel Salen Ligand, *International Journal of Advanced Research*, VOL 3, Issue 4, 699-704, **2015**.
- **Ghanasham B. Sathe**, Vikas V. Vaidya, Ravindra G. Deshmukh, Extractive Spectrophotometric Determination of Ruthenium (III) Using Novel Salen Ligand, *Asian J. Research Chem.* 10(4): **2017**.
- **Ghanasham B. Sathe**, Gauri A Phadke, Vikram Masal, Antibacterial Evaluation of Novel Salen-Metal Complexes, *Journal of Applicable Chemistry*, **2018**, 7 (5): 1388-1394
- Deven Mamania, **Ghanasham Sathe**, Raj Badekar and Rama Lokhande, Spectrochemical studies of newly synthesized '4-hydroxy-3-[(1*e*)-prop-1-en-1-yl] phenyl 4-(1*h*-indol-3-yl) butanoate' compound, *International Journal of Advance and Innovative Research* Volume 5, Issue 4 (XI): October - December, **2018**
- Lad Manoj N.*, Patil Raju M. and **Sathe Ghanasham B**, Synthesis and Characterization of Novel Schiff Bases, *Research Journal of Chemistry and Environment*, Vol. 24 (6) June (**2020**)
- **Ghanasham B. Sathe***, Santosh S. Marathe, Digambar D. Kulkarni, Manoj N. Lad, Sagar T. Sankpal, Synthesis and characterization of Novel Manganese (II), Cobalt (II) and Nickel (II) Schiff bases Complexes of Salen ligand, *International Journal of Grid and Distributed Computing* Vol. 13, No. 2, (**2020**), pp. 141 –146
- S. S. Marathe* and **G. B. Sathe** K.V.Gandhi, V.P.Masal, K.A.Vakale, Studies of anti-microbial activities of schiff bases synthesised by solvent free green protocol, *EIJR*, Volume–VII, Special Issue–XIII, 27 th March. **2018**
- **Ghanasham B. Sathe**, Antibacterial Evaluation of Salen-Metal Complexes, *Recent Trends in Life Science Energy and Environment*, ISBN: 978-81-953847-1-6, **2020**
- Lad Manoj N.*, Patil R.M., **Sathe G.B.** and Yamgar B.A, Synthesis, characterization and studies on biological activity of vanadium metal complexes derived from novel Salens, *Research Journal of Chemistry and Environment*, Vol. 26 (1) January (**2022**)
- M.N. Lad, R.M. Patil, **G.B. Sathe** and B.A. Yamgar, Synthesis, Characterization and Biological Activity of Zirconium Metal Complexes Derived from Novel Salens, *G P Globalize Research Journal of Chemistry*, 6(1) , 2022, 13-19
- **Ghanasham B. Sathe**, Madhuree K. Jagare, Sunil K. Sharma, R. S. Lokhande, Bengal, Past and Present, Vol. 117, Issue: (IV) October - December **2021**
- Lad M.N.*, Patil R.M. and **Sathe G.B**, Vanadium oxide nanomaterials: catalyst for the decomposition of hazardous dye, *Research Journal of Chemistry and Environment*, Vol. 28 (5) May (**2024**)

Seminars/workshops/Conferences participation:

Conference/Seminar Papers Presented: **International: 07, National: 22, State/University: 01**

Conference/Seminar Attended: **International: 08, National: 29, State/University: 41**