

Mr. Santosh Sharadchandra Marathe

M.Sc. M.Phil,

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➤ **Background:**

Prof. S.S.Marathe joined Dapoli Urban Bank Senior Science College in June 2001. He is approved UG and Recognised PG teacher of University of Mumbai. He acquired M.Phil degree in November 2008. He had completed his dissertation work entitled 'Use of Ionic Liquid in Organic Synthesis' under the guidance of Dr. Atul C. Chaskar Dean Science Faculty, C.K.T. College New Panvel. He did his graduation as well as post-graduation from the University of Mumbai with first class, and is registered for Ph. D degree in University of Mumbai. He was worked as senior chemist in 'Accurate Laboratory Services' Bhosari (Pune) based Metal Testing Laboratory. He had completed certificate course in C,C++ programming from Seed InfoTech, Pune . He had completed Diploma in Computer Applications and Fox-Pro from Sterlite Foundation Ratnagiri. He is a Vice Chancellor appointed member of 'Board of Sports and Cultural Activities' of Dr. Balasaheb Sawant Konkan Agriculture University, Dapoli. He Guided 20 M.Sc. Students for their Research Projects. He had delivered several speeches in various social programs. He is active in social and cultural activities in Dapoli and Konkan region. He is visiting faculty in the subject chemistry for M.Sc. Chemistry course at various centres in Mumbai University. He has worked as Mumbai University paper setter in the subject chemistry for M.Sc. Part I and S.Y.B.Sc. He is a good orator and deliver several lectures at various places on different subjects, also guiding students for elocution and debate competition.

➤ **Prominent Role in College Administration, Co-Curricular and Extra Curricular Activities:**

- Member of Local Management Committee (upto 2018)
- Member of Planning Board of XIIth Plan grants in aid assistance to college
- VC Nominee in Board of Sports and Cultural of Dr. Balasaheb Sawant Konkan Agriculture University Dapoli

Co-ordinator:

- NAAC Re-accreditation Steering Committee 2012
- Vidnyan Jagar 2012, 2013, 2014,2015, 2016,2017,2018.
- Internal Quality Assurance Cell (IQAC) (2008 -2012)
- DES-INSPIRE 2016 onwards

Convener/Chairman:

Cultural Committee (2006-2007),

Cultural Committee Non-stage Programmes (2003-2004),

Assistant Programme Officer N.S.S. (2002 to 2007),

Library Advisory (2004-2005),

Science Association (2001-2003, 2012 to till date),

Attendance Committee (2005-2006),

Magazine (2007-2008),

Publicity (2010 to 2012)

Avishkar Student Research Competition Committee (Since 2010 to 2015)

MOU Drafting Committee

NAAC Criterion 2 – Teaching Learning Evaluation

Extra-Curricular Activities

Member:

Internal Quality Assurance Cell (IQAC) (2004 - 2008, 2012 -2018 and 2018 to till date)

Examination (2002-2004),

Magazine (2003-2006)

Cultural Committee (2001-2007 & 2010 to till Date),

Unfair Means Committee (2003-2005 2012 to till date),

Employment cell (2005-2006),

Carrier Guidance (2003-2005),

Student Council Election Officer (2007-08)

Sports (2012 2016)

Stake Holder Committee (2012 to 2018)

DLLE (2012-13)

Current Responsibilities:

Teacher Guardian of 21 T.Y.B.Sc. Students.

Topics of Interest:

- Spectroscopy
- Analysis of Natural Product Chemistry
- Green Chemistry
- Analytical Method validation
- Chromatographic Techniques
- Nano Material
- Co-ordination Chemistry
- Herbal Product Extraction and Identification.

➤ **Publications**

- **S. S. Marathe**, V. P. Masal, K. V. Gandhi R. G. Sakapal ‘Screening of some Phyto constituents of *rauwolfia serpentina* linn. from Ratnagiri District (MS) India’ **Bionanofomtier** Vol 8 Issue 3 April 2015, 234-236. ISSN No 0974-0678 Online 2320-9593
- **S. S. Marathe**, A.C.Chaskar, G.B.Sathe, K.V.Gandhi, G.S.Gore, A.V.Dinde ‘Studies of Synthesis of Substituted Coumarin via Pechmann Condensation using Bronsted Acidic Ionic Liquid’ **National Conference on ‘Environmental Issues and Benefits with Special Reference to Polymer Industries** 168-171 ISBN No 81-89217-13-5

- K.V.Gandhi, **S. S. Marathe**, A.V.Dinde, A.C.Chaskar, G.B.Sathe, G.S.Gore, 'Microwave Assisted Efficient Synthesis of Coumarin Derivatives' **National Conference on Environmental Issues and Benefits with Special Reference to Polymer Industries** 168-171 ISBN No 81-89217-13-5
- **S.S.Marathe**, K.V.Gandhi, G.B.Sathe, A.V.Dinde, G.S.Gore, B.A.Yamgar, M.N.Lad, V.P.Masal, G.S.Phadke 'Solvent Free Green Synthesis of Schiff Bases and Studies of their Antimicrobial Activities' **International Conference on Mainstreaming the Marginalised** 83-85 ISBN No 978-93-83871-17-9
- G.S.Gore, **S.S.Marathe**, K.V.Gandhi, G.B.Sathe, A.V.Dinde, B.A.Yamgar, M.N.Lad, V.P.Masal, G.S.Phadke 'Nanoporous LaAlO₃ System: Synthesis and Evaluation of Versatile Properties Along With their Gas Sensing Potential' **International Conference on Mainstreaming the Marginalised** 83-85 ISBN No 978-93-83871-17-9
- V.P.Masal, R.S.Shinde, **S.S.Marathe**, 'Estimation of Organic and Inorganic Constituents of Some Members of Family Euphorbiaceae from Dapoli Tahasil' **International Conference on Mainstreaming the Marginalised** 83-85 ISBN No 978-93-83871-17-9
- G.B.Sathe, **S.S.Marathe**, K.V.Gandhi, G.S.Gore,, B.A.Yamgar, M.N.Lad, M.K.Pethe, G.S.Phadke 'Antibacterial Evaluation of Salen Metal Complexes' **State Level Conference on Science for Sustainable Development** 117-120 ISBN No 978-81-920431-3-5
- V. P. Masal **S. S. Marathe**, G. B. Sathe R. L. Ghalme 'Allelopathic Effect Of Tobacco Leaf Leachates On Germination And Growth Of Trigonella-Foenum Garecum L.' **Electronic International Interdisciplinary Research Journal (EIIRJ)** Volume-VII, Special Issue-XII, 71 -73.
- **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 **Electronic International Interdisciplinary Research Journal (EIIRJ)** Volume-VII, Special Issue-XII, 495 -500.
- G.B.Sathe, S. S. Marathe, D.D. Kulkarni, M. N. Lad, S.T. Sankpal, Synthesis and Characterization of Novel Manganese (II), Cobalt (II) and Nickel (II) Schiff Base Complexes of Salen Ligand, **International Journal of Grid and Distributed Computing** Vol 13, No 2(2020), 141-146.
- Author of Book: **Concise Graduate Chemistry - III** University Text Book of Chemistry for F.Y.B.Sc. Semester -2, ISBN: 978-81-942249-5-2 Published by University of Mumbai.

Seminars/workshops/Conferences Papers Presented:

- International : 02
- National : 15
- State : 08

Seminars/workshops/Conferences Attended:

- International : 02
- National : 20
- State : 05
- University : 12

Research Project Completed:

Sr. No.	Title of the Project	Funding Agency	Year	Period	Amount Mobilised
1	Synthesis of Schiff Base Type Ligands and Studies of Their Complexing Ability with Metal	University of Mumbai	2019-2020	One Year	30000/-
2	Microwave Assisted Synthesis of Double Schiff Base and Evaluation of their Biological Activities.	University of Mumbai	2016-2017	One Year	30000/-
3	Synthesis and Characterisation of Schiff Bases and Studies of their Biological Activities	University of Mumbai	2012-2013	One Year	27400/-

Professional Consultancy

- Vinus Alkloide Extraction Plant Ratnagiri
- Uday Sachin Food Product Jalgaon Dapoli

Professional and Social Activities:**➤ Member of**

- Board of Sports and Cultural Activities of Dr. B.S.Sawant Agriculture University Dapoli. Nominated by Hon. Vice Chancellor.
- organizing committee of seminar on 'Applications of Analytical Techniques in Industry and Environmental Studies' jointly organized by Indian Society of Environmental Science & Technology (ISSET) & DBJ College Chiplun.
- Executive committee of 251 year celebration of Laxmi Narayan Dewasthan Jalgaon
- Working Committee of Aryadurga Wachan Mandir Kankavli
- Organizing committee for organization of 'Prayawaran Sahitya Samelan' organized by Periodical Gatiman Santulan.
- Organising committee of vibhagiy Marathi sahitya sammelan

➤ Letures / Talk Delivered

- Loknete Gopinath Munde College, Mandangad
- Kankavli College Kankavli
- Resource Person for Teacher Training Program at National Highschool Dapoli

➤ Compering of the Major Events

- Vibhagiy Sahitya Samelan
- National Conference on Herbal and Traditional Medicine
- Purskaar Vitaran of Dawikshe Foundation

➤ Visiting Lecturer at

- Loknete Gopinath Munde College, Mandangad
- Kankavli College Kankavli
- Anandibai Pradhan College, Nagothane
- ICS College Khed
- Gogate Jogalekar Ratnagiri
- Dr. Babasaheb Ambedkar College Mahad

➤ Panel of Referee for Elocution and Debate Competitions at

- University of Mumbai Elimination Rounds

- N. K. Waradkar Highschool Murud
- Dnyandeep Highschool Dapoli
- Intercollegiate competitions of Dr. Balasaheb Sawant Konkan Agriculture University, Dapoli.
- Panchayt Samitee Dapoli
- **Other**
- Co-ordinated an important extension activity of the college - Vidnyan Jagar. It is a two days exhibition of science experiments for school students, teachers and for society, based on the theme 'reveal scientific principles through experiments' more than 2000 visitors including students' teachers' citizens from Dapoli and adjoining tahasils are visiting to this exhibition.
- Actively Participated in various social activities.
- Guided students of schools and other colleges for elocution and debate competitions
- Guided school students in their preparation for Homi Bhabha student Scientist Examination.
- Sub Editor of Eureka – E Info Letter