

## Shri Shivaji College of Arts, Commerce and Science, Akola

### Faculty Profile



1. Name : DR. SUKHADEO KACHARU BHAGAT
2. Address (Residential) : "SAWALI" Gayatri Nagar, Opp. S. T. Workshop, Mangrulpir Road, Akola  
Pin. :- 444004
3. Phone No./Cell No. : 0724 – 2489696, Mob. 9850082440
4. E-mail address : --
5. Designation : Associate Professor in Chemistry
6. Department : Department of Chemistry
7. Date of Birth : 19-05-1957
8. Area of specialization : Chemistry

#### 9 Academic qualification:

Examination passed	Board/ University	Subject/ Specialization	Year of passing	Division / Grade / Merit
Bachelor's Degree	Nagpur University	Chemistry, Botany, Zoology	1985	IInd (58%)
Master's Degree	Amravati University	Organic Chemistry	1987	Ist (68%)
M. Phil.	Amravati	Synthesis Spectroscopic and Antimicrobial Studies on Nitrogen and Sulphur Containing Organic Compounds.	3/01/1995	Ist (68%)
Ph. D.	Amravati	Chemistry of Tetra-O-benzoyl-D-glucopyranosyl bromide and synthesis of certain Benzoylated thioglucosides.	31/07/2003	Awarded

#### 10. Membership of Academic Organization:

- Life member of Amravati University Chemistry Teacher's Association, Amravati.
- Life member of Dr. Babasahed Ambedkar Professor Association, Amravati.

#### 11. Research Experience : 9 Years

- a. M.Phil Dissertations : 4 Years

b. Publishing research papers.: 7 Papers Published

List of paper published as follows –

Title of Paper	Name of Journal	National/ International
1. Oxydative debenzoylation and cyclisation reaction of certain 1-aryl-5-phenyl-2-S-benzyl-2-isothiobiurets: Direct synthesis of 5-Arylimino-2-phenyl-3-oxo-1,2,4-thiadiazolidines.	Indian Journal of Heterocyclic chemistry, Vol.9, Jan-March, 237-238 (2001).	National
2. On thioglucosides: Synthesis, Antibacterial and Antifungal activities, of S-tetra-O-Benzoyl- D-glucopyranosyl Aryldithiocarbamates	Oriental Journal of Chemistry, Vol.17(3) 437-440 (2001).	National
3. Synthesis of 2-S-tetra-O-benzoyl- D-Glucopyranosyl-1 Aryl-5-phenyl- 2-Isothiobiurets and their antibacterial and antifungal studies.	Asian J. Chem. 15(2) 981-986 (2003).	National
4. On Glucosyl thioureides : Synthesis of 3-aryl-2-phenyliimino – 6-p-tolylimino-4-S-tetra-O-benzoyl – D-Glucopyranosyl-2,3 dihydro-1,3,5-thiadiazines (hydrochlorides) and their antibacterial and antifungal studies.	J.Indian Chem.Soc Vol. 80, 654-655 (2003).	National
5. On glucosyl thioureides : Synthesis, antibacterial and antifungal studies of certain 2-S-tetra-O-benzoyl –D-glucopyranosyl-1,5- disubstituted-2,4-Isodithiobiurets.	J.Indian Chem.Soc Vol.80,1 – (2003).	National
6. Synthesis of 3-aryl-2-tert. Butylimino-6-tolylimino 4-S-tetra-O-benzoyl-D-glycopyranolysl 0-2,3-Dihydro – 1, 3, 5-thiadiazine hydrochlorides and their antibacterial and antifungal studies.	J.Indian Chem.Soc Vol.82, PP.1022 – 1024, November, 2005	National
7. Synthesis of S-tetra-O-benzoyl – D-Glucopyranosyl aryl isothiocarbamides.	Asian Journal of Chemistry, Vol.14 No.1, 243-246 (2002)	National

**12. Seminars/Conferences/Symposia/Conferences attended and organized:**

Sr.No.	Name of the Conf./ Seminar/Workshop etc.	Place and Name of the Sponsoring Agency	Place and Date	Paper presented
1	88 <sup>th</sup> session of Indian Science Congress	U.G.C. New Delhi and Indian Science Congress	New Delhi, Jan.2001.	Poster Presented "Synthesis of S-tetra-O-benzoyl –

		Association, Kolkatta.		D-Glucopyranosyl aryl isothiocarbamides”
2	89 <sup>th</sup> Session of Indian Science Congress	U.G.C. New Delhi and Indian Science Congress Association, Kolkatta.	Lucknow, Jan.2002.	Poster Presentation “On thioglucoisides: Synthesis, Antibacterial and Antifungal activities, of S- tetra-O-Benzoyl- D- glucopyranosyl Aryldithiocarbamat es”
3	National Conference on Ethanobotany, Biodiversity and Conservation	UGC, New Delhi	Shri. Shivaji College of Arts, Commerce, and Science, Akola, 18-19, Janurary, 2003	Participated
4	National Conference on emerging trends in chemical sciences in new mellenium,	U.G.C. New Delhi	Shri Shivaji Science, College, Amravati (MS), 5 – 7, Feb., 2004.	Participated
5	State Leval workshop on Microscale Techniques in Chemistry	UGC, New Delhi	Vidya Bharti Mahavidyalaya, Amravati, 29 – 31 April, 2004.	
6	National seminar on Advanced materials	U.G.C. New Delhi	Department of Chemistry, R.S. T.M. Nagpur University, Nagpur, 12, Feb., 2007	Participated
7	National Conference on Drug designing and synthesis,	U.G.C. New Delhi	Dr. Ambedkar College, Deeksha Bhoomi, Nagpur, 19 – 20 Jan, 2007	Participated
8	International Conference on Drug Discovery and Nanotechnology,	U.G.C. New Delhi	Yeshwant Mahavidyalaya, Nanded. Jan 27-29, 2008.	Participated

9	National Conference on Green Chemistry and its perspective	UGC, New Delhi	Department of Chemistry, Sant Gadge Baba Amravati University, Amravati, 11-12, Feb., 2008	Participated
Sr.No.	Name of the Conf./ Seminar/Workshop etc.	Place and Name of the Sponsoring Agency	Place and Date	Paper presented
10	Regional Seminar on Recent Trends in heterocyclic Compounds in chemical, Medicinal and Pharmaceutical Sciences	UGC, New Delhi	Mahatma Fule Arts, Comm. And Sitaramji Choudhari Science M.V. Wardu, Dist. Amravati. 02 March, 2008	
11	National Seminar on Current Trends in Chemical Science Research	UGC, New Delhi	Dept. of Chemistry, Shri Shivaji College of Arts, Commerce and Science, Akola, 28 March, 2008	
12	National Seminar on The Relevance of Dr. Babasaheb Ambedkar's Philosophy in the 21 <sup>st</sup> Century of India.	UGC, New Delhi	Shri. Shivaji College of Arts, Commerce, and Science, Akola, 31 March, 2008	
13	State Level Seminar on Metal Pollution	UGC, New Delhi	Science College, Pawni, Dist. Bhandara, 31 August, 2008	
14	National Conference on Recent Advances in Chemical Research	CSIR, New Delhi	Deptt. Of Chemistry, Osmaniya University, Hyderabad, 06, 07 February, 2009	
15	National Level Seminar on "Dr. B. R. Ambedkar Economic Philosophy and Indian economic policy in the global scenario".	UGC, New Delhi	Dr. Babasaheb Ambedkar Study Center, Shri Shivaji College, Akola, 24 November, 2009	

16	13 <sup>th</sup> Annual convention and one day seminar on chemistry in our lives	Department of chemistry, SGB Amravati University Amravati	25/09/2011	Participated
17	National conference on material: atom to molecule	Shri Shivaji science college Nagpur	Shri Shivaji science college Nagpur 16Dec 2011	Effect of pH in the determination of zirconium complex spectrophotometric ally
18	National conference 'Recent advances in synthetic chemistry and nanomaterials'	Department of Chemistry, Shivaji University Klopapur	Department of Chemistry, Shivaji University Klopapur 21,22/1/2012	Spectrophotometric determination of Uranium with methyl thymol blue
19	National conference on Recent Researches in Chemistry: A journey towards social upliftment	Lokmanya Tilak Mahavidyalaya, Wani	14,15/02/2012	Paper presented

### 13. Research Projects Completed/Ongoing:

Title of the project	Funding agency	Duration	Remarks
Title :- Synthesis of Sulphur and oxygen substituted Benzoylated Glucosyl Derivative. Sanction No. – F, 47-393/2004	U.G.C., Pune	2 Years	Completed
Title :- "Synthesis and structural determination of sulphur and oxygen substituted acetylated glucosyl derivatives.	U.G.C., Pune	2 Years	On going

### 14. Teaching Experience:

Courses Taught	Name of the University/College/Institution	Duration
UG	Shri Shivaji College of Arts, Commerce and Science, Akola	Since 12/09/1987 to 2009 Total 23 Years
PG	Shri Shivaji College of Arts, Commerce and Science, Akola	1992 to 2007 Total 16 Years

## **15. Innovations/Contributions in Teaching:**

### **Design of Curriculum:**

- It is a process of developing need-based work for a student for a session. So I have to prepare a Notes, Synopsis and practical manuals for practical, as well as prepare the question bank for every unit for unit test and viva-voce. Choose some point on each unit to give to students for seminar. For above all reading different Reference books, Journals, practical manuals etc.

### **Teaching Methods:**

- Question Answer method : This criterion deal with the efforts of a teacher to serve students of different background and abilities, through effective teaching learning must be done.
- For the same I use interactive instructional technique that engage students in higher order thinking. In the theory period. I ask the question to the students and they try to answer it and also promote to students to give the seminar in the classroom to develop the dairing of speaking for interview, group discussion, debates etc.
- I use appropriate teaching aids in the theory classes. In the practical hall students give the answer of viva-voce on the given experiments.

### **Laboratory Experiments:**

- At starting the session, check out the plan of all experiments that we have to take. At starting supply the practical manual to the students. In the laboratory, the introduction was given about the experiment and demonstrate about theoretical as well as practical processes. After completion of experiments students give the test examination and try to answer the question of viva-voce. This evaluation process is to gauge the knowledge and skills acquired by the students.

### **Preparation of resource materials:**

- For theory and practical different reference books, periodicals, journals, practical books and manuals were read.

## **16. Role in college activities:**

- Admission committee member.
- In-charge of Unit Test Examination.
- In-charge of Seminar's of the Student.
- In-charge of College Annual Test Examinations U.G. & P.G.
- In-charge of Practical and All chemicals.
- Member of Alumni & Science exhibition.
- Collection and maintaining the record of academic diary/student record, self appraisal, confidential report, leave record etc.
- Member of IQAC :- Submission of departmental information to principal office.

**17. Role in university activities:**

- Question paper setting.
- Valuation of answer books of B.Sc.I, B.Sc. II and B.Sc. III theory as well as practical examinations.

**20. Any other information :**

- Co-Author :- Co-Author of Book, Text Book of Practical Chemistry, Bokey Prakashan, Amravati.
- Vice, President, Shri Shivaji Vaitanic Pat Sanstha, Shivaji College, Akola.