

Shri Shivaji College of Arts Commerce And Science, Akola

Faculty Profile



- 1 Name : **Kishore Puri.**
- 2 Address (residential) : Flat No 6, Lalji Terrace, Kothari Layout,
Gaurakshan Road, Akola
- 3 Phone no. / Cell no. : 7038043059
- 4 E-mail address : knpuri333@rediffmail.com
- 5 Designation : **Professor**
- 6 Department : **Chemistry**
- 7 Date & Place of birth : 21th Nov, 1975, Walgaon, Dist.Amravati (MS)
- 8 Category : NT (B) (Gosawi).
- 9 Marital status : Married.
- 10 Area of Specialization : Organic chemistry.
- 11 Academic Qualification : **M.Sc. B.Ed. SET. Ph.D.**
- 12 Teacher Approval No. and Date : SGBAU/8/C-1072/2003, 16/06/2003
- 13 Ph.D.NotificationNo.and Date : 37/2018, 29/09/2018
- 14 Ph.D.Supervisor Notification and Date : No. 73/2019 Date: 18-07-2019
- 15 P.G.Teacher Notification and Date : No. SGBAU/8/C-1390/2019 Date: 24-07-2019

Examination Passed	Board/ University	Subject Specialization	Year of Passing	Division/Grade/ Merit
Bachelor's Degree	Amravati	Chemistry, Botany,Zoology	1996	I
Masters degree	Amravati	Organic Chemistry	1998	I
B.Ed.	Amravati	Education	2000	I
SET	Pune	Chemistry	2002	I
MS-CIT	Mumbai	----	2011	I
Ph.D.	S.G.B.Amravati	Organic Chemistry	2018	---

Membership of Academic organization:

- Life member of the “Indian science congress association”
- Life member of “Amravati University Chemistry Teachers Association”.
- Life member of “ Association of Chemistry Teachers”
- Secretary-“Amravati University Chemistry Teachers Association”.

Academic Staff College Orientation / Refresher course attended:

Sr.	Name of the Course/ Summer School	Place	Duration	Sponsoring Agency
1	Orientation course	UGC-ASC, Pune.	01/01/07-28/01/07 (28 Days)	UGC
2	Refresher Course	UGC-ASC, Aurangabad	11/02/08-01/03/08 (20 Days)	UGC
3	Refresher Course	UGC-ASC, Aurangabad	05/06/14-25/06/14 (20 Days)	UGC
4	Short Term Course	UGC-HRDC, Amravati	21/11/16-26/11/16 (7 Days)	UGC

Details of Research Publications:

S.N.	Paper Titles	Journal Title	Volume/ Issue No.	ISBN/ISSN No.	Single / Multiple Author
01	A convenient one pot synthesis of some novel benzothiazole and its derivatives.	Journal of chemical and pharmaceutical Research, 2010	2(2) 381-386	ISSN 0975-7384	Multiple
02	Removal of Pb(II) from wastewater by using citrus lemon bark.	International Journal of Researches in Biosciences, Agriculture and Technology, Jan 2014.	1(2)	ISSN 2347-517x	Multiple
03	Synthetic study and biological evaluation of 1-tetra-o-benzoyl- β -D-glucopyranosyl-3-substituted thiocarbamides	Rasayan Journal of Chemistry. 2014 Scopus Indexed and UGC Approved	7(2) 177-180	ISSN 0974-1496	Multiple
04	SYNTHESIS, CHARACTERIZATION AND ANTIMICROBIAL STUDY OF SOME BENZOYLATED GLUCOPYRANOSYL DISUBSTITUTED THIOCARBAMIDES	Int. J. Chem. Sci. 13(4), 2015, 1787-1793	13(4) 1787-1783	ISSN 0972-768X	Multiple
05	Synthetic studies of 1-Tetra-O-benzoyl- β -D-glucopyranosyl-3-(2)-substituted hydrazino-1,3-benzothiazoly thiocarbamides	Rasayan Journal of Chemistry. 2016. 9(1)52-55 Scopus Indexed and UGC Approved	9(1) 52-55	ISSN 0974-1496	Multiple

06	Synthesis and spectral studies of N-Glucopyranosyl substituted-1,3,4-Thiadiazolidines.	Rasayan Journal of Chemistry.2016 9(3),401-404 Scopus Indexed and UGC Approved	9(3) 401-404	ISSN 0974-1496	Multiple
07	Synthesis of N-glucopyranosyl substituted 1,3,4-thiadiazoline derivatives and its application as antimicrobial agent.	Ayushi International Interdisciplinary Research Journal.2018	25,83-85	ISSN 2349-638x	Multiple
08	Synthesis, characterization and bacterial assay of 4-phenyl-5-arylimino-3-S-tetra-o-acetyl glucosyl-1,2,4 dithiazolidines.	International Journal of current engineering and scientific research.2019	6(1), 559	ISSN (Print): 2393-8374, Online : 2394-0697	Multiple
09	Consensus Pharmacophore Modeling Analysis for Human Cellular Cytotoxicity (Hepg2) Activity of 2-Anilino-4-Amino Substituted Quinazolines	Current Pharma Research.2019	9(2) 2727-2733	ISSN 2230-7842	Multiple
10	Identifying the recurring pharmacophoric pattern for trypanosomacruzi inhibitory of 6-nitro-2,3-dihydroimidazo[2,1-b][1,3]oxazoles.	Ajanta 8(1)	8(1)	ISSN 2277-5730	Multiple
11	Synthesis, Characterization and Bacterial assay of 1-(3-substituted aryl imino-4-substituted aryl-5-imino-1,2,3-thiadiazolidine)-3-phenyl thiocarbamides	Research Journey International E-Research Journal	---	ISSN 2348-7143	Multiple
12	Synthetic study of 4-phenyl-5-arylimino-3-s-tetra-o-acetyl β-D-glucosyl-1,2,4-dithiazolidines and its	International Journal of Emerging Technologies and Innovative research	Special issue 1829(G)	ISSN 2348-7143	Multiple

	applications as antibacterial agents.				
13	A versatile synthesis and antimicrobial activity of 5-Trtra-O-benzoyl- β -D-glucopyranosylimino-3-oxo-2-aryl-4- m-tolyl -1,2, 4,-thiadiazolidine	Vidyabharati International Interdisciplinary Research Journal 9(2) 86-90	9(2) 86-90	ISSN 2319-4979	Multiple
14	Synthesis, characterization and antimicrobial activity of benzoyl protected glucopyranosyl 1, 2, 4,-thiadiazolidines.	Vidyabharati International Interdisciplinary Research Journal 9(2) 105-109 ISSN 2319-4979	9(2) 105-109	ISSN 2319-4979	Single
15	Synthetic Study of 3-Thio-4-sugar-5-o-tolylimino-1,2,4-dithiazolidines and its application as antibacterial agents.	Aayushi international interdisciplinary research journal	---	ISSN 2349-638x	Multiple
16	Simultaneous potentiometric determination of pharmaceutically potent aceclofenac-paracetamol combination drugs in non-aqueous medium	Vidyabharati International Interdisciplinary Research Journal Special Issue 150-153	150-153	ISSN 2319-4979	Multiple
17	Synthetic study of 1-(3-Hydroxy phenyl imino-4-hydroxy phenyl-5-imino-1,2,4- thiadiazolidine)-3-phenyl thiocarbamides.	Vidyabharati International Interdisciplinary Research Journal 124-128	124-128	ISSN 2319-4979	Multiple
18	Synthesis, characterization and microbial assay of 4-aryl-5 phenylimino-3-S- hepta-O-benzoyl maltosyl-1,2,4 thiadiazolidine.	Vidyabharati International Interdisciplinary Research Journal	---	ISSN 2319-4979	Multiple

Seminars/Conference/Symposia/Workshop; attended/Organized

Sr. no.	Name of conferences/seminar/ Workshop,etc	Sponsoring Agency	Place and Date	Paper Presented
01	National Conference on "Emerging Trends in Chemical Science In The New Millennium"	U.G.C., New Delhi.	P.G. Department of Chemistry, Shri Shivaji College, Amravati 5 -7/02/2004	Attended
02	"Eight Annual Convention of Chemistry Teachers "	AUCTA, Amravati	Shri Shivaji College, Akola.16/04/2006	Attended
03	National Seminar on "Advance Material on the Eve of Superannuation of Prof. N. S. Bhavé"	U.G.C., New Delhi.	Department of Chemistry RTM Nagpur University, Nagpur. 12/02/2007	Attended
04	International Conference on " Drug Discovery & Nano Technology"	U.G.C.- C.S.I.R., New Delhi.	Department of Chemistry, Yeshwant College, Nanded. 27-29/01/2008	Design, Synthesis And predicted biological activities of 10-Ethyl carboxylate-15-imino-14-oxo-14(H)Benzothiazole [2,3-B]Pyrimido[5,6-E] Pyrimido[2,3-B]Benzothiazole and its 3-substituted derivatives.
05	National Conference on Green Chemistry and its perspective.	U.G.C., New Delhi.	Department of chemistry, SGB Amravati University, Amravati 11-12/02/2008	Spectrophotometric determination of Uranium
06	National Seminar on "Current Trends in Chemical Sciences Research"	U.G.C., New Delhi.	Department of Chemistry, Shri Shivaji College, Akola. 28/03/2008	Attended
07	State Level Seminar in Chemistry on "Metals Pollution"	U.G.C., New Delhi.	Science College, Pauni. 31/08/2008.	Spectrophotometric determination of copper(II) using 2-hydroxy 1-naphthaldehyde thiosemicarbazone as an analytical reagent.
08	National Conference on "Recent Advances in	C.S.I.R., New Delhi.	Department of Chemistry, University	Synthesis, characterization and

	Chemical Research”		College of Science, Osmania University, Hyderabad. 6-7/02/2009	biological studies of novel fused Benzothiazole derivatives
09	National Conference on “Advanced Material and Technology”(NCAMT-09)	U.G.C., New Delhi.	Department of Chemistry, Shri. Shivaji Education Society Amravati’s Science College Nagpur 29-30/12/2009	Spectrophotometric determination of Iron(III) with Schiff base 5 Nitro Salicylaldehyde Amino Phenol.
10	National Conference on “Advances In Material Research”	U.G.C., New Delhi	Department of Chemistry, Shankarlalkhandelwal college Akola 26-27/02/2010	Attended
11	A motivational soft skills development workshop	U.G.C., New Delhi	Career guidance and placement cell, Shri Shivaji College, Akola. 20/02/2011	Attended
12	State level workshop on research methodologies in science	U.G.C., New Delhi	Department of Chemistry, Shankarlalkhandelwal college Akola 26/02/2011	Attended
13	One day district level workshop on “role of teacher for quality education with reference to sixth pay commission”	Joint Director Higher Education, Amravati.	Shri Shivaji College of Arts,commerce and science college , Akola. 10/04/2011	Attended
14	13 th Annual convention and one day seminar on chemistry in our lives	AUCTA	Departt. of chemistry, SGB Amravati University Amravati 25/09/2011	Attended
15	National conference on Material: atom to molecule	U.G.C., New Delhi	Shri Shivaji science college Nagpur 16/12/ 2011	A novel synthesis of s-thiazolo-[3,4-b] benzothiazole-3- thiole from substituted- 2- hydrazino benzothiazole
16	National conference ‘Recent advances in	U.G.C., New Delhi	Department of Chemistry, Shivaji	Spectrophotometric determination of

	synthetic chemistry and nanomaterials'		University Klohapur 21,22/1/2012	Uranium with methyl thymol blue
17	National conference on Recent Researches in Chemistry: A journey towards social upliftment	U.G.C., New Delhi	Lokmanya Tilak Mahavidyalaya, Wani 14,15/02/2012	Spectrophotometric determination of Uranium with methyl thymol blue
18	Regional workshop on Redesigning of chemistry curriculum	AUCTA	Brijlal Biyani science college, Amravati. 29/04/2012	Attended
19	National conference on Innovative Reserch Trends in Biological sciences	U.G.C., New Delhi	Department of life sciences, Shri Shivaji College college , Akola. 8-9/09/2012	Novel synthesis and biological activity of some condensed heterocycles.
20	Effective communication skills in English for senior college teachers	-----	Department of English, Shri Shivaji College college , Akola. 05/04/2013 -13/04/2013	Attended
21	National conference on frontier areas in chemistry and workshop on quantum mechanics and research methodology	U.G.C., New Delhi	Department of Chemistry, Shri Shivaji science College, Amravati. 23-24/10/2013	Synthesis and biological evaluation of 1-tetra-o-benzoyl- β -D-glucopyranosyl-3-alkyl thiocarbamides
22	International conference on "application of advanced materials for sustainable development"	CSIR-NEERI, Nagpur.	Department of Chemistry, Dr. Ambedkar college Nagpur. 17-18/01/2014	Removal of Pb(II) from wastewater using citrus limon bark
23	workshop on current trends in spectroscopic technioques for structural elucidation	U.G.C., New Delhi	Department of chemistry Shri Shivaji College college , Akola. 14-20/07/2014	Attended
24	Sixteenth annual convention and one day regional seminar on role of chemistry in rural industrialization	AUCTA	Shri.Dr. R. G. Rathod arts and science college Murtizapur. 30/11/2014	Attended
25	Advance Excel Programming Under Skill Development Programme of MHRD	Shri. Shivaji College , Akola.	Shri. Shivaji College , Akola.	Attended

26	National conference on sustainable chemistry:Frontiers and Challenges (NCSC-2015)	U.G.C., New Delhi	Department of chemistry,Brijlal Biyani science college,Amravati. 30-31/01/2015	Synthesis and antimicrobial activity of 1-(2-amino) phenyl-3-peracetyl glycosyl thiocarbamides and their benzylidene derivatives
27	National Conference on Chemistry- Sustainability & Environment	U.G.C., New Delhi	Dept. of Chemistry, Ramnarain Ruia College, Mumbai. Feb. 20 & 21, 2015	SYNTHETIC STUDY AND BIOLOGICAL EVALUATION OF 1-TETRA-O-BENZOYL- β -D-GLUCOPYRANOSYL-3,3-DI SUBSTITUTED ALKYL-ARYL/ALKYL/ARYL THIOCARBAMIDES
28	International Conference on Contemporary Research in Chemical and Life Sciences-2015	U.G.C., New Delhi	Jointly organized by Sadguru Gadage Maharaj College, Karad & Shivaji University, Kolhapur.22&23 April 2015	Synthesis and Characterization of Thiocarbamides
29	National Conference on Recent Trends in Chemical Sciences RTCS-2015	U.G.C., New Delhi	Dept. of Chemistry,LatePundlikra oGawali Arts and science Mahavidyalaya,Shirpur(Jain) 26 April 2015	Synthesis, Characterization, and microbial assay of N-GlucosylatedHydrazinoBenzothiazolyl Thiocarbamides
30	103 rd Indian Science Congress	U.G.C., New Delhi	University of Mysore,Mysuru Jan. 3-7, 2016	Synthesis,characterization and antimicrobial study of some benzoylated glucopyranosyl thiocarbamides

31	National Conference on Chemical Sciences:Emerging scenario & challenges	U.G.C., New Delhi	Dept. of Chemistry, Sant Gadge Baba Amravati University.Amravati Jan. 29 & 30, 2016	Significance of Cattle in Ecosystem for sustainable agriculture.
32	National conference on Newest Developments in chemical sciences for civilized society (NDCSCS)	U.G.C., New Delhi	DnyanopasakShikshanM andal's College of Arts, Commerce and Science,Parbhani 9-10/12/2016	Synthesis and characterization of new heterocyclic pyrimidines via pyrazoline as synthons
33	XXXV Annual Conference Indian Council of Chemists	U.G.C., New Delhi	Haribhai V. Desai College,Pune in association with College oEngineering,Pune. 22-24/12/1016	A Versatile synthesis and antimicrobial activity of 5-tetra- <i>o</i> - benzoyl- β - <i>d</i> - glucopyranosylimin <i>o</i> -3-oxo-2-aryl-4- aryl -1, 2, 4,- thiadiazolidines
34	University level workshop on credit,grade,and semester system introduced by S.G.B. Amravati University and Maharashtra public university act 2016	U.G.C., New Delhi	Shri Shivaji College of Arts, Commerce and Science, Akola. 22/07/17	Attended
35	National seminar on Ensuring Quality and Employability through Higher Education.	NAAC	G. S. Science, Arts, and Commerce College, Khamgaon 24-25/01/2018	Massive open online courses for enrichment of Teaching-Learning and Evaluation.
36	National Conference on Recent Advances in Chemical Sciences	U.G.C., New Delhi	Shri Shivaji College of Arts, Commerce and Science, Akola. 26-27/02/18	Synthesis and characterisation of 3-Halo Flavone.
37	International Conference on Recent Trends in Science and Technology	U.G.C. and DST	S.S.S.K.R. InnaniMahavidyalay, Karanja. 22-23/03/2018	Synthesis of N- Glucopyranosyl substituted 1,3,4- thiadiazolidine derivatives and its application as antimicrobial agents.

38	International Conference on Multifunctional Advanced Materials ICMAM-2018	U.G.C., New Delhi	Kamala Nehru Mahavidyalay, Nagpur. 05-07/10/2018	Synthesis, characterization and bacterial assay of 4-phenyl-5-arylimino-3-s-tetra-o-acetyl glucosyl-1,2,4 dithiazolidine.
39	20th Annual convention and seminar on Research Methodology in Current Context.	AUCTA	Shri Shivaji science College, Amravati. 02/12/2018	Attended
40	UGC Sponsored National conference on Emerging Trends in Science	U.G.C., New Delhi	VidyabharatiMahavidyalaya Amravati 1-2/2/2019	Synthesis of N-Glucopyranosyl substituted 1,3,4-thiadiazolidine derivatives
41	National Conference on Recent advances in Science and Technology RAISAT-2019	U.G.C., New Delhi	Department of Chemistry, S.GawandeMahavidyalaya, Umarkhed 5-6 March 2019	Identifying the recurring pharmacophoric pattern for trypanosomacruzi inhibitory of 6-nitro-2,3-dihydroimidazo[2,1-b][1,3] oxazoles.
42	National Conference on Contemporary innovations in library and information science, social science and technology for virtual world NCCLIST-2019	U.G.C., New Delhi	Late B.S.Arts, Prof.N.G.Gawande Science and Commerce College, Sakharkherda, Dist. Buldana 24/04/2019	Synthesis, Characterization and Bacterial assay of 1-(3-substituted aryl imino-4-substituted aryl-5-imino-1,2,3-thiadiazolidine)-3-phenyl thiocarbamides
43	National symposium on innovative materials and devices	U.G.C., New Delhi	Department of Physics, S.G.B.A.U. Amravati. And Department of Physics, Shri Shivaji Science College, Amravati. 24-25/06/19	Synthesis, characterization and antimicrobial study of some benzoylated glucopyranosyl thiocarbamides.

44	Two day workshop on Laboratory Management Techniques for Laboratory assistants and attendants	AUCTA	Department of chemistry, Brijlal Biyani science college, Amravati. 30-26-27/06/2019	Organized
45	One day Motivational Science Workshop	AUCTA	Arts, Science and Commerce College, Chikhaldara. 03/08/2019	Chaired
46	National Conference on New dimensions in Chemistry and Chemistry Education and National Convention of Chemistry Teachers NCCT-2019	ACT	Dept. of Chemistry, Sant Gadge Baba Amravati University. Amravati 05-07/12/2019	Microwave Irradiative Synthesis, Characterization and Study of Biological Properties of Some Pyrimidine Linked Thiadiazolidines and Dithiadiazines
47	21st Annual Convention and seminar on Recent Trends in Chemistry Research	ACTA	S.S.S.K.R. Innani Mahavi dyalaya, Karanja Lad 08/12/2019	Attended
48	National Conference on Innovative Research in Science and Technology NCIRST-2019	UGC/ DST/ AUCTA	Department of Chemistry, Shri Shivaji Science College, Amravati. 17-18/12/19	Synthetic study of 4-phenyl-5-aryl imino-3-s-tetra-o-acetyl β -D-glucosyl-1,2,4-dithiazolidines and its applications as antibacterial agents.
49	National Conference on Innovative Research in Science and Technology NCIRST-2019	UGC/ DST/ AUCTA	Department of Chemistry, Shri Shivaji Science College, Amravati. 17-18/12/19	Synthetic study of 4-phenyl-5-aryl imino-3-s-tetra-o-acetyl β -D-glucosyl-1,2,4-dithiazolidines and its applications as antibacterial agents.
50	National Conference on Multidisciplinary Research in Science. NCMRST-2020	UGC/ DST/ AUCTA	Shri R.L.T. College, Akola 24/01/2020	Synthetic Study of 3-Thio-4-sugar-5-ortho-lylimino-1,2,4-dithiazolidines and its application as

				antibacterial agents.
51	National Conference on Recent advances in Chemical Sciences NCRACS 2020	UGC	Shri Shankarlal Khandelwal College, Akola 1-2/05/20	Simultaneous potentiometric determination of pharmaceutically potent aceclofenac-paracetamol combination drugs in non-aqueous medium
52	Online Short Term Course on Research Methodology	S.G.B. Amravati University	Shri R.L.T. College, Akola 13-16/07/20	Resource Person Invited Talk- Pre Ph.D. Course Work

Research Projects Completed / Ongoing

Title of the Project	Funding agency	Duration
Synthesis of Heterocyclyl substituted pyrimidines	UGC	2 Years (completed)

Teaching Experience

Course Taught	Name of the University/ College/ Institution	Duration
UG	Vidya Bharati College, Amravati.	4 Years
UG	Govt. Elphinstone College, Mumbai.	1 Year
UG	Shri Shivaji College of Arts, Commerce & Science, Akola.	15 Years
UG	Shri Shivaji Science & Arts College, Chikhali	14 Months
UG	Shri Shivaji Science College, Amravati	2 Years 2 Months
UG	Shri Shivaji College of Arts, Commerce & Science, Akola.	6 Months
PG	Vidya Bharati College, Amravati.	4 Years
PG	Shri Shivaji College of Arts, Commerce & Science, Akola.	15 Years
PG	Shri Shivaji Science College, Amravati.	2 Years 2 Months
PG	Shri Shivaji College of Arts, Commerce & Science, Akola.	6 Months
Carrier Oriented Programme :	Shri Shivaji College of Arts, Commerce & Science, Akola.	6 Years

**Innovative/ Contributions in Teaching:
Guest Lectures/seminar competition/quiz competition.**

Sr. No.	Title	Organisedby
1	Worked as Observer For Chemi Quiz 2010.	Shankarlalkhandelwal college, Akola 21/10/2010
2	Guest lecture onUV and IR Spectroscopy	Bhartiya mahavidyalay Amravati. 28/12/2010
3	Worked as Judge For University level seminar competition for M.Sc.I(Sem-II) Chemistry students	RLT College, Akola 28/02/2012
4	Guest lecture on Spectroscopy	Shri. Kanifnath Science College, Karanja 17/03/2015
5	Guest lecture on Photochemistry	G.S. College, Khamgaon 07-08/10/2015
6	Worked as Judge For Akola district level Avishkar competition	Shri Shivaji College, Akola. 19/10/2015
7	Guest lecture on Spectroscopy	J.D.PatilSangludkarMahavidyalay, Daryapur 15/01/2016
8	Worked as Judge for Poster competition	Shankarlal Khandelwal College, Akola 15/09/2017
9	Guest lecture on Photochemistry and Pericyclic Reaction	G.S. College, Khamgaon 27- 28/09/2017
10	Worked as Judge for Akola district level Avishkar competition	Shri Shivaji College, Akola. 04/12/2017
11	Guest lecture on Spectral problems and Mossbauer spectroscopy	Shri Shivaji College, Akot. 12/03/2018
12	Guest lecture for M.Sc.I	Shri Shivaji College, Akot. 20/03/2018
13	Guest lecture on Spectral problems	Shri Shivaji College, Akot. 15/09/2018
14	Akola district level Avishkar competition	Shri Shivaji College, Akola. Worked as Judge 17/12/2018
15	Invited Lecture/Resource Person One day Motivational Science Workshop	Arts,Science and Commerce College, Chikhaldara. 03/08/2019

Articles / Chapters published in Books/Books Published as single author or as editor:

Sr. No.	Period	Title	Publisher	ISSN/ISBN No.
1	2006-07	A Text book of Inorganic Chemistry B.Sc. III.	BokeyPrakashan, Amravati.	----
2	2016	Principles of UV-Visible and IR Spectroscopy	Nabh Prakashan	978-81-905776-50-2
3	2016	Principles of NMR and Mass Spectroscopy	Nabh Prakashan	978-81-905776-51-1
4	2017	Organic Chemistry	Nabh Prakashan	

Teaching Methods:

- To create interest in the subject the topics for seminars were announced in advance and were arranged in the classes.
- To simplify the topics and to judge the students questions were asked during the discussion of topic.
- During teaching discussion method, question-answer method used in the classroom.

Laboratory Experiments:

- The experiments are demonstrated with the help of diagrams, models, and instruments.
- To create interest of the students in practical various projects are given to them.

Preparation of resource materials:

- The teaching material was prepared by using various national and international books from college library.
- The question bank is provided to students so that they should get knowledge about the questions asked in the university examinations.
- Power point presentations are used during teaching.

Remedial teaching:

- Special classes were arranged for the downwards & poor students
- Teaching in the remedial teaching scheme sponsored by U.G.C.

Extension activities/ consultancy/ community works:

- Participation in the N.S.S. Program organized by the college.
- Participation in special N.S.S. Program, "YUVAVAN", non-agricultural land development project at Lonar, Dist. Buldhana, organized by Amravati University.

Role in college activities.

- Coordinator of Parent Teacher Meet-2013
- Member of college cultural committee.
- Worked as a member of admission committee, shri shivaji college, akola.
- Worked as a member of Seminar Competition Committee, shri shivaji college, akola.
- Worked as a member of University Youth Festival Committee organized by shri shivaji college, Akola.
- Incharge of Aptitude Test in Chemistry for B. Sc. Final Students organized by AUCTA.
- Participation in Teacher Guardian Scheme.
- Member of various committees in Jayanti Utsav of Shikshan Maharshi Dr. Bhausaheb Alias Panjabrao Deshmukh.
- In charge of Departmental Library from 2003 to 2008.
- In charge of Chemical Society from 2003 to 2018.
- Coordinator of Teachers Sponsored Awards 2005-2018
- Member of Award Distribution Committee,2005-2018
- Member of Science Association Committee,2003-2019

Role in university activities:

- Worked as External/Internal Examiner for University Practical Examinations.
- Worked as a valuer for University Examination.

Membership/ Participation in Activities of national development

- Participated in Blood donation camp
- Worked as a Preciding officer in Parliamentary Election.