



- Name of the Applicant** Prof. Shobha Sakharam Borhade
- Mailing Address**
Head & Research Co-ordinator, Department of
Chemistry
S.M.B.S.T. Arts, Commerce & Science College ,
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- Permanente Address** Nil-Lohit, Saishradhanagar ,
Behind 132 KV Sangamner, Tal- Sangamner,
Dist-Ahmednagar, Maharashtra, INDIA 422605.
- Date of Birth & Gender** 07 / 10 / 1966 Female
- Academic Qualifications** M.Sc.,M.Ed.,Ph.D.

Examinations	Name of the Board/ University	Year of Passing	Percentage of marks obtained	Division/ Class/Grade	Subject
High School /Matric SSC	Pune	1982	69.29 %	I Class	Math, Science
HSC	Pune	1984	59.00 %	II Class	Math, Science
B.Sc.	Pune University	1987	70.49 %	I Class	Chemistry
M.Sc.	Pune University	1989	56.44 %	Higher Second B+	Physical Chemistry
B.Ed.	Pune University	1990	60.00%	I Class	Math, Science

M.Ed.	Pune University	1994	60.00%	II Class	Statistics
Ph.D.	Shivaji University Kolhapur	2003	-	-	Chemistry
MS-CIT	Maharashtra State Board Technical Education, Mumbai	2003	60.00 %	First	

TEACHING EXPERIENCE

- 1) **TEACHING EXPERIENCE UG -- 32 YEARS**
- 2) **TEACHING EXPERIENCE PG – 15 YEARS**
- 3) **RESEARCH EXPERIENCE – 24 YEARS**

TEACHING SUBJECTS

- 1) **F.Y.B.Sc. Physical & Inorganic Chemistry**
- 2) **F.Y.B.Sc. Organic & Inorganic Chemistry**
- 3) **S.Y.B.Sc. Physical & Analytical Chemistry**
- 4) **S.Y.B.Sc. Organic & Inorganic Chemistry**
- 5) **F.Y.B.Sc. Practical Chemistry**
- 6) **S.Y.B.Sc. Practical Chemistry**
- 7) **T.Y.B.Sc. Physical Chemistry**
- 8) **T.Y.B.Sc. Industrial Chemistry**
- 9) **T.Y.B.Sc. Physical Chemistry Practicals**
- 10) **M.Sc. I Physical Chemistry & Organic Chemistry Practicals**

ORGANIZING SEMINARS & CONFERENCES

- 1) **State Level Workshop – 01**
- 2) **National Level Conference – 04**
- 3) **International Conference -- 02**

6. Teaching Programmes Attended

Sr.No	Name of the Course/ Summer School	Place	Duration		Sponsoring Agency
1)	Refresher Course	Department of Chemistry Pune University	16/05/1995	12/06/1995	University of Pune
2)	Refresher Course	Department of Chemistry Pune University	08/05/1996	04/06/1996	University of Pune
3)	Refresher Course	Department of Chemistry Shivaji University Kolhapur	27/02/2001	21/03/2001	Shivaji University Kolhapur
4)	Refresher Course	New Arts & Science College, Ahmednagar	31/03/2004	20/04/2004	University of Pune
5)	Orientation Course	Dr.Babasaheb Ambedkar Marathwada University, Aurangabad	16/05/1995	12/07/2010	Dr.Babasaheb Ambedkar Marathwada University, Aurangabad
6)	Faculty Development Programme	K.T.H.M. College, Nashik.	05/08/2013	10/08/2013	University of Pune
7)	National Workshop on Ways To Make Teaching Interesting & Innovative	Department of Chemistry Savitribai Phule Pune University	19/10/2016	24/10/2016	University of Pune
8)	Faculty Development Programme	Department of Chemistry Pune University	19/10/2016	24/10/2016	University of Pune
9)	Faculty Development Programme	K.B.P.College of Engineering Satara	15/04/2020	21/04/2020	Spoken Tutorial IIT, Bombay

10)	Faculty Development Programme	AISSMS College of Engineering	28/04/2020	04/05/2020	Spoken Tutorial IIT, Bombay
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7. **Participation in Journal** Applied Research & Development Institute journal
(International Standard Journal ISSN : 2249-8346).
International Research Journal of Chemistry
(ISSN : 2321-2845 (online) & 2321-3299 (onprint).

8. **Number of Registered Students**

For Ph.D.	: 03
Submitted	: 01
Degree awarded (Ph.D.)	: 01
Publications	: 70
(Research papers)	

9. **Research Project Completed** Novel & Convenient Synthesis, Characterization & Activities of Essential of fatty acid & Its Derivatives.
University Grant Commission (Funded by UGC).

10. **Research Projected**
Submitted to CSIR Synthesis of polycyclic N-heterocycles from gamma-acetyl-r-butyrolactone and Evaluation of their Photophysical and Biological Activities.

11. **Contributory Teacher** Post graduate Department of Chemistry, Agasti Arts, Commerce & Dadasaheb Rupwate Science College, Akole, Ahmednagar.

12. Organisation of Workshop / Seminar / Conference in the College

Sr.No	Name of the Workshop / Conference	Level	Date	Period
1)	Adventure Camp	National	22/02/2002	One day
2)	Workshop on “The Syllabus Training Programme F.Y.B.Sc.Chemistry	State	15/02/2003	One day.
3)	Workshop on “ Spectroscopy”	State	04/02/2003	One day.
4)	Workshop on “ Conservation And Enrichment of Natural Resources”	State	15-17/ 01/2007	Three days.
5)	Camp on “ Ethics and Human Values, Environmental Conservation” at Ratangad	State	11-15/12/2007	Five days.
6)	Camp on Trecking, Adventure & Biodiversity” at Kalsubai Harishchandragad	State	19-21/02/2014	Three days.
7)	Workshop on “Vanchatana”	State	28-29/12/2014	Two days
8)	Camp on “ Tracking”	State	4-5/01/2015	Two days.
9)	Conference on “Advance Research in Chemical And Environmental Sciences” Publication of Souvenior	National	25-26/01/2014	Two days.
10)	Conference on “ Recent Trends & Challenges in Chemical Science & Technology “ Publication of International Journal of Pharmaceutical Research & Development ISSN -0974-9446 IF 2.00	National	28-29/12/2014	Two days.
11)	Conference on “ Recent Trends in Drug Design & Green Environment”	National	08-09/01/2016	Two days.
12)	Conference on “Recent Trends in Chemical & Environmental Sciences” (RTCES 2016)	National	23-24/12/2016	Two Days
13)	Conference on “ Indigenous Knowledge and Biodiversity Conservation”	State	08-09/01/2016	Two days.

13. Subject Expert for PhD Work

Sr.No	Title	Name of the College	Date
1)	Subject Expert for Teacher Fellow Interview	P.V.P. College Pravaranagar	25/04/2014
2)	Subject Expert for Progress Report of Research Scholars	P.V.P. College Pravaranagar	18/08/2015
3)	Assessment of PhD Pre Synopsis Presentation	P.V.P. College Pravaranagar	01/07/2019
4)	Subject expert (External) for Ph.D. Pre-synopsis evaluation	P.V.P. College Pravaranagar	06/12/2019
5)	Subject expert (External) for Ph.D. Pre-synopsis evaluation	S.S.G.M.College, Kopargaon	28/06/2021
6)	Subject expert (External) for Ph.D. Six month Progress Report	Malpani College, Sangamner	06/02/2023

14. Resource Person

Sr.No	Title	College Name	Date
1)	Contributory Teacher for PG of Chemistry	Agasti Arts, Commerce & Dadasaheb Rupawate Science College, Akole	01/07/2008
2)	National Seminar, Roll of Green Chemistry & Environmental Pollution	Anantrao Dhonde, Alias Babaji Mahavidyala, Kharda, Tal- Ashti	22/12/2012
3)	Resource Person for NET/SET & Competitive Examination	Sri Seth Murlidhargi Mansingka Arts, Science & Commerce College, Pachora, Jalgaon	18/12/2016
4)	Resource Person for National Seminar on TQM	Arts, Science & Commerce College, Narayangaon	31/07/2017
5)	Resource Person for M.Phil , PhD Coursework	New Arts, Commerce & Science College, Ahmednagar	06/12/2018

15. Paper Presentation in International / National / State Conference

Sr.No	Name of the Conference	Name of the Paper	Date	Organised
1)	International Seminar on Analytical Techniques in monitoring the Environment	Spectrophotometric Determination of Pd(II),Au(II) & Ru(II) with 2-chloroquinoline-3-carbaldehyde TSC (2-Chloro QAT)	18-20/12/2000	Sri Venkateshwara University, Trupati.
2)	International Seminar on Analytical Techniques in monitoring the Environment	Spectrophotometric Determination of Cu(II),Co(II) & Ni(II) with Thiophene-2-Thiosemicarbazide (Thiophene-2-TSC)	18-20/12/2000	Sri Venkateshwara University, Trupati.
3)	International Conference on Chemistry and Environment	Synthesis & Characterisation of furfuraldehyde Thiosemicarbazone	16-18/12/2001	Govt. Nutan girls post graduate college, kila maidan ,Indore
4)	International Conference on Science & Technology	Synthesis & Characterisation of O-methylzimaldehyde Thiosemicarbazone	11-12/6/2002	Paper Accepted but not Presented Carleton University Ottawa, Canada.
5)	International Symposium on Drug Discovery & Process Research	Spectrophotometric determination of Cr(III)& Pd(II) with 2-hydroxy-1-naphthylaldehyde Thiosemicarbazones	23-25/01/2003	Shivaji University Kolhapur
6)	International Symposium on Renewable energy for Rural Development	Synthesis of fatty acids & methyl ester by in-situ transesterification from Bombax malabaricum & it's green Chemistry approach	25-27/02/2010	S.N.Arts, D.J.Malpani & B.N. Sarda Science College, Sangamner
7)	International Conference on Nanomaterials & Applications	Spectrophotometric determination of Fe(III), Cu(II) & Co(II) with 2-	09-11/12/2008	Shivaji University Kolhapur

		hydroxy-1-naphthylaldehyde Thiosemicarbazones		
8)	International Conference on Nanomaterials & Applications	Synthesis of substituted thiophene as a potential conductive polymer	09-11/12/2008	Shivaji University Kolhapur
9)	International Conference on Biodiversity & Environmental Crisis Past, Present & Future	Green Chemistry Approach for preparation of Fatty acid methyl ester by in situ transesterification from Indian plant Seeds	11-13/02/2010	S.S.V.P..College, Dhule
10)	International Conference on Life Science	Fat content & Fatty acid composition of Seed oils, Flax, Hemp & Pumpkin	10-13/11/2011	Pavan Education Trust, Danta & Dept. of Life Science Hemchandracharya North Gujarath University, Patan Ambaji
11)	International Conference on Climate Change, Forest resources & Environment	Ground Water quality in the selected area of Sangamner Dist –Ahmednagar, Maharashtra	09-11/12/2011	University of Kerala. Thiruvananthapuram & National Environmentalists Association Ranchi
12)	International Conference on Recent Trends in Medicinal Plant Research	Chemical Composition of Seed oil of pumpkin (Cucurbita mixta) & its post harvesting uses	10-12/01/2012	University of Pune
13)	International Conference on Emerging Trends in Chemical Sciences	Essential Fatty acids Characterisation for Cucurbita mixta (pumpkin) & Cannabis sativa (Hemp) by HPLC method	02-04/11/2012	School of Chemical Sciences, Solapur University
14)	International Research Conference on Technology, Management &	Synthesis, Characterisation & Antibacterial Activity of New fatty acid	18-19/10/2013	Andhari, Mumbai

	Humanities	Thiosemicarbazide from Cannabis sativa (Hemp) Seed oil		
15)	International Conference on Emerging Horizons in Biochemical Sciences & Nanomaterials	Synthesis, Characterisation & Comparative Study of Fatty acid methyl ester from Natural Seed oil	28-30/11/2013	Shri Shivaji Mahavidyalaya, Barshi
16)	101th Indian Science Congress	Novel & Convenient Synthesis, Characterisation & Antibacterial Activity of New Fatty Acid Thiosemicarbazide from Cucurbita maxita (Pumpkin) Seed oil	03-07/02/2014	University of Jammu
17)	International Conference on Environmental System & Sustainable Development	Rapid & Reliable method to remove lead(II) from waste water by using Natural adsorbent wall nut Shell (WNS)	15-16/01/2016	CT Bora College, Shrirur
18)	International Conference on	Synthesis Characterization and Antibacterial Activity of metal Complex of Pyridoxal Isonicotinoyl Hydrazone	21-22/09/2015	S.N.Arts, D.J.Malpani & B.N. Sarda Science College, Sangamner
19)	International Conference on Impact of Globalization on Cross Cultural & Ethical Issues in Arts & media ,Commerce & Management and Science & Technology	Synthesis, Characterisation & Antimicrobial Activity of Copper (II) with Benzothiazole-2-aldehyde Thiosemicarbazide	13-14/09/2016	Bytco college, Nashik

20)	Analytical Chemistry Teachers & Reasearchers Association	Synthesis & Analytical Study of Fatty acid methyl ester of <i>Cannabis sativa</i> (Hemp) Seed oil in the presence of Triglycerides	22/09/2013	Maluna Azad Research Centre, Aurangabad
21)	Analytical Chemistry Teachers & Reasearchers Association	Synthesis, Characterisation & Antibacterial Activity of Transition Metal complexes of Indole-3-carbaldehyde	28/02/2016	Maluna Azad Research Centre, Aurangabad
22)	National Conference on Women Empowerment	Empowering Women, Rebulding the Society	23-24/10/2013	Smt. Pushptai Hiray Arts, Science & Commerce Mahila Mahavidyalaya.
23)	National Conference on Advance Research in Chemical And Environmental Sciences	Synthesis and Analytical Study of Fatty Acid Methyl Ester of Non-edible Seed oil	25-26/01/2014	S.M.B.S.T.College Sangamner
24)	National Conference on Advance Research in Chemical And Environmental Sciences	Synthesis of Polycyclic N-heterocyclic from alpha-Acetyl- Beta- Butyrolactone & Evaluation of their Photo Physical & Biological Activities.	25-26/01/2014	S.M.B.S.T.College Sangamner
25)	National Conference on Advance Research in Chemical And Environmental Sciences	Studies of Omega-6 Fatty Acod Thiosemicarbazone Derivative of Cannabis Sativa (Hemp) seed Oil	25-26/01/2014	S.M.B.S.T.College Sangamner
26)	State Level Seminar on Recent Advances in Biotechnology	A Study of Removal of Cobalt (II) from Waste Water by using Natural Adsorbent	03/03/2016	Bytco College, Nashik

16. Attended International / National / State Conference/ Workshop

Sr.No	International / National / State	Name of the Conference	Date	Place
1)	International	Analytical Techniques in monitoring the Environment	18-20/12/2000	Trupati.
2)	International	Analytical Techniques in monitoring the Environment	18-20/12/2000	Trupati.
3)	International	Chemistry & Environment	16-18/12/2001	Indore
4)	International	Drug Discovery & Process	23-25/01/2003	Kolhapur
5)	International	Renewable energy for Rural Development	25-27/02/2010	Sangamner
6)	International	Nanomaterials & Applications	09-11/12/2008	Kolhapur
7)	International	Biodiversity & Environmental Crisis Past, Present & Future	11-13/02/2010	Dhule
8)	International	Life Science	10-13/11/2011	Ambaji
9)	International	Climate Change, Forest Resources & Environment	09-11/12/2011	Kerala
10)	International	Recent Trends in Medicinal Plant Research	10-12/01/2012	Pune
11)	International	Emerging Trends in Chemical Sciences	02-04/11/2012	Solapur
12)	International	Technology, Management & Humanities	18-19/10/2013	Mumbai
13)	International	Emerging Horizons in Biochemical Sciences & Nanomaterials	28-30/11/2013	Barshi
14)	International	101th Indian Science Congress	03-07/02/2014	Jammu
15)	International	Environmental System & Sustainable Development	15-16/01/2016	Shrirur
16)	International	Analytical Chemistry Teachers & Reasearchers Association	22/09/2013	Aurangabad
17)	International	Analytical Chemistry Teachers & Reasearchers Association	28/02/2016	Aurangabad
18)	National	Disaster Management & Safety Awarness in	10/01/2002	Aurangabad

		Chemical Laboratories		
19)	National	New Trends in Synthetic Organic Chemistry	08-09/07/2002	Nashik
20)	National	Women Empowerment	03-04/02/2007	Sangamner
21)	National	Progressive Journey of Drug from Mind to Market	18-20/12/2008	Pravaranagar
22)	National	Traditional Medicines	27-28/02/2009	Narayangaon
23)	National	New Frontiers in Herbal & Synthetic Drug Studies	14-16/01/2010	Pune
24)	National	Green Chemistry & Environmental Pollution	16-17/01/2010	Dhule
25)	National	Nanoscience	21-23/01/2010	Sinnar
26)	National	Human resource Development	01-03/02/2010	Sangamner
27)	National	Application of Chemical Research in Pharmaceutics	04-06/02/2011	Rahata
28)	National	General Application of Chemistry	11-13/02/2012	Kopargaon
29)	National	Research in Organic Synthesis in Colleges and Industry	14-15/02/2012	Shrirampur
30)	National	Role of Chemistry in Environmental Protection	27-29/02/2012	Sangamner
31)	National	Advances & Innovations in Chemical Sciences	01-02/03/2013	Pravaranagar
32)	National	Advance Research in Chemical And Environmental Sciences	25-26/01/2014	Sangamner
33)	National	Recent Trends & Challenges in Chemical Science & Technology	28-29/12/2014	Sangamner
34)	National	Recent Trends of Research in Chemistry	13-14/02/2015	Rahata
35)	National	Recent Development in Chemical Sciences	22-23/12/2015	Ahmednagar
36)	National	Recent Trends in Drug Design & Green Environment	08-09/01/2016	Sangamner
37)	National	Indigenous Knowledge and Biodiversity Conservation	08-09/01/2016	Sangamner
38)	State	Expectations of Industries from Academia	18-12/01/2002	Nashik
39)	State	Role of Colleges in	29-30/09/2006	Sangamner

		Community Development		
40)	State	Recent Trends in Synthetic Organic Chemistry	09-11/03/2006	Kopargaon
41)	State	Recent Trends in Analytical Chemistry	16-17/02/2007	Kopargaon
42)	State	Recent Trends in Synthetic Organic Chemistry	28-29/02/2010	Ahmednagar
43)	State	Role of Youth in Environmental protection	05-06/02/2010	Sangamner
44)	University	Green Chemistry	10/02/2011	Rajur
45)	University	Phytochemical Analysis of Therapeutically Active Constituents of Pharmaceutically Important Medicinal Plants	11/01/2012	Pune
46)	State	Applications of spectroscopy in Chemistry	02-03/02/2012	Ahmednagar
47)	Regional	F.Y.B.Sc. Syllabus Revision in Chemistry	12/02/2013	Ahmednagar
48)	Regional	Workshop on Framing of S.Y.B.Sc. Chemistry Syllabi	31/12/2013	Nashik
49)	State	Importance & Applications of Green Chemistry	26/12/2014	Nashik
50)	State	Webinar on Wild Vegetables	20/06/2021	Devrukh
51)	State	Webinar on terrace and Gallery Gardening	13/06/2021	Devrukh
52)	National	Webinar on Green Chemistry and Catalysis	13/09/2021	Karjat
53)	State	Webinar on Spirulina of Nature and Spirulina Farming	24/04/2022	Devrukh
54)	National	Seminar on Nutrition Sensitive Agriculture- Focus on Biofortification	08/03/2021	Devrukh
55)	State	Webinar on World of Viruses	17/10/2021	Devrukh
56)	National	Intellectual Property Rights	29/11/2021	Kopargaon

57)	International	Webinar on Empowering Diversity in Science	16/02/2022	Mumbai
58)	National	Webinar on Women, water and Development : Issues, Challenges and Opportunities	14/03/2022	Prayagraj
59)	International	Webinar on Breaking Barriers in Science	14/02/2023	Nagpur
60)	State	Workshop on National Education Policy -2020	13/02/2023 14/02/2023	Sangamner

17. University Research & Training

Sr.No.	University Court	Period
1)	Shivaji University , Kolhapur --- 2001	11 / 03 / 2001
2)	Shivaji University , Kolhapur --- 2002	10-11 / 03 / 2001

18. Publications (Research Papers)

Sr.No	Name of the Paper Page No.	Name of Journal Month, UGC No	ISSN / ISBN	Peer Reviewed /Referred IF	No of Authors	Whether main Author
1	Synthesis and Characterization U (II) with O-methylzimaldehyde Thiosemicarbazones [O-MeZimTSC] and its Biological Activity 426-434.	Pharmacologyonline Jan.-April 2010 UGC No 29296	ISSN 1827- 8620	UGC Referred IF 0.32	03	Main author
2	Water extract of <i>Gymnema sylvestre</i> analytical study by HPLC and its antibacterial activity of various extracts 105-107	International Journal of Pharmaceutical Science Review and Research May-June, 2011	ISSN 0976- 044X	Peer reviewed IF 0.65	---	Main author
3	Replacement of furnace oil and light diesel oil (LDO) by Cashew nut shells oil. 520-524	Scholar Research Library Archives of Applied Science Research Feb. 2011	ISSN 0975- 508X	Peer reviewed	---	Main author
4	Synthesis, Characterisation and Spectrophotometric determination of Fe(II) complex of 2,4-dihydroxybenzaldehyde isonicotinoylhydrazone {(E)-N'-5(2,4-dihydroxybenzylidene)isonicotinohydrazide, It's application & Biological Activity 64-71	Pelagia Research Library Der Chemical Sinica April 2011	ISSN 0976- 8505	Peer reviewed IF 0.676	---	Main author
5	Synthesis, Characterisation and Antibacterial studies of Ti (IV) complex of SalicylaldehydeNicotinoylHydrazone (SANH) {(E)-N'(2-	Applied Research & Development Institute Journal November 2011	ISSN 2249- 8354	Referred	---	Main author

	Hydroxybenzylidene) Nicotinohydrazide 30-37					
6	Synthesis, Characterisation and Antimicrobial Activity of Copper (II) with 2-chloroquinoline-3-carbaldehyde Thiosemicarbazide {1-((2-chloroquinoline-3-yl)methylene) Thiosemicarbazide (2-chloro-QAT), 1345-1350	International Journal of Pharmacy & Life Sciences January 2012	ISSN 0976-7126	Peer reviewed IF 4.256	---	Main author
7	Antibacterial activity, Photochemical Analysis of water extract of <i>Syzygium cumini</i> & Analytical study by HPLC 320-324	Asian Journal of Experimental Biological Science April 2012	ISSN 0975-5845	Peer reviewed	---	Main author
8	Synthesis, Characterisation and Antimicrobial Activity of Gold(III) with 2-chloroquinoline-3-carbaldehyde Thiosemicarbazide {1-((2-chloroquinoline-3-yl)methylene Thiosemicarbazide (2-chloro-QAT) 189-193	International Research Journal of Pharmacy April 2012 UGC No. 17846	ISSN 2230-8407	Peer reviewed Scopus IF 0.751	---	Main author
9	Transition Metal Complexes of SalicylaldehydeNicotinoylhydrazone (SANH) ,synthesis, Characterisation & Antibacterial Activity 18-22	Journal of Pharmaceutical & Science Innovation May-June 2012	ISSN 2277-4572	Peer reviewed	---	Main author
10	Extraction and Characterisation of	Life Science Leaflet July 2012	ISSN 2277-	Peer reviewed	-	

	Pumpkin (<i>Cucurbita mixta</i>) Seed oil 45-49		4297	IF 0.9285	--	Main author
11	Studies of Metal Complexes of Thiosemicarbazide	Life Science Leaflet November 2012	ISSN 2277-4297	Peer reviewed IF 0.9285	---	Main author
12	Chemical Composition and Characterisation of Hemp (<i>Cannabis sativa</i>) Seed oil and Essential Fatty acids by HPLC method 5-8	Scholar Research Library Archives of Applied Science Research January 2013	ISSN 0975-508X	Peer reviewed	---	Main author
13	Physico-chemical & Phytochemical Investigation of Linseed (<i>Linum usitatissimum L</i>) oil grown in Maharashtra (India) and Analytical Study by HPLC 584-589	International Journal of Drug Discovery and Herbal Research Jan-March 2013	ISSN 2231-6078	Peer reviewed IF 5.147	---	Main author
14	Synthesis, Antibacterial Activity of new Fatty acid Thiosemicarbazide from <i>linum usitatissimum</i> (Linseed) seed oil and it's Characterisation by X-RD 118-123	Pelagia Research Library Der Pharmacia Sinica April 2013	ISSN 0976-8688	Peer reviewed IF 0.468	---	Main author
15	Metal Complex of glyoxalbisisonicotinoylhydrazone : Synthesis, Spectroscopic Characterisation and Antimicrobial Activity 88-95	Journal of Chemical and Pharmaceutical Research July 2013	ISSN 0975-7384	Peer reviewed IF 0.398	---	Main author
16	Synthesis and Analytical Study of Fatty acid methyl ester of <i>Cannabis</i>	International Journal of Recent Trends in Sciences and Technology	ISSN 2277-2812	Peer reviewed IF 4.15	---	Main author

	<i>sativa</i> (Hemp) Seed oil in the presence of Triglycerides 6-9	Sept 2013				
17	Synthesis, Characterisation & Biological Evaluation of 2-(4-methylpiperazin-1-yl) quinoline-3-carbaldehyde-2-(morpholin-4-yl)quinoline-3-carbaldehyde 139-147	Centum November 2013	ISSN 2231-1475	Referred	02	Co-author
18	Synthesis & Characterisation of Novel 2-hydroxy-2-methyl-4-(2-morpholin-4-yl-quinolin-3-yl)-but-3-enoic acid (4-cyano-3-trifluoro methyl-phenyl)-amide 55-61	Centum November 2013	ISSN 2231-1475	Referred	01	Co-author
19	Synthesis, Characterisation of Fatty acid methyl Ester from <i>Linum usitatissimum</i> (Linseed) Seed oil Synthesis, Characterisation of Fatty acid methyl Ester from <i>Linum usitatissimum</i> (Linseed) Seed oil 977-989	World Journal of Pharmacy and Pharmaceutical Sciences, June 2014 UGC No. 48793	ISSN 2278-4357	Peer reviewed IF 7.632	---	Main author
20	Synthesis, Structure, Spectroscopy and Antimicrobial Activity of Copper (II) Complex of Furfuraldehyde-2-salisaldehyde Thiosemicarbazide-1-(2-hydroxybenzylidene)-4-((4H-pyran-2-yl)methylene)	International Journal of Recent Trends in Science and Technology, April 2014	ISSN 2277-2812	Peer reviewed IF 6.1	---	Main author

	Thiosemicarbazide, 423-429					
21	Synthesis, Characterisation & Antibacterial Activity of new Fatty acid Thiosemicarbazide from <i>Cannabis sativa</i> (Hemp) Seed oil 953-963	World Journal of Pharmacy and Pharmaceutical Sciences March 2014 UGC No. 48793	ISSN 2278-4357	Peer reviewed IF 6.041	---	Main author
22	Synthesis of novel Substituted Quinoline Derivatives with 2-amino-5-methylthiophene-3-carbonitrile 2496-2502.	Indo American Journal of Pharmaceutical Research May 2014 UGC No. 38	ISSN 2231-6876	Peer reviewed IF 4.587	01	Co-author
23	Comparative Study of Some Physico-chemical properties of Linseed (<i>Linum usitatissimum</i>), Hemp (<i>Cannabis sativa</i>) and Pumpkin (<i>Cucurbita mixta</i>) Seed oil, 133-139.	Discovery The International Daily Journal, June 2014	ISSN 2278-5450	Referred	---	Main author
24	Extraction, Physico-chemical & Phytochemical Investigation of <i>Argemone mexicana</i> L. Seed oil grown in Maharashtra (India) and It's Antimicrobial Activity 64-70	International Journal of Pharmaceutical Research and Development, December 2014	ISSN 0974-9446	Peer reviewed IF 2.01	---	Main author
25	Synthesis, Characterisation of Fatty acid methyl Ester from <i>Cucurbita mixta</i> (Punpkin) seed oil 1169-1182	World Journal of Pharmaceutical Research June 2014 UGC NO. 47932	ISSN 2277-7105	Peer reviewed IF 5.045	---	Main author
26	Synthesis, Characterisation &	World Journal of Pharmaceutical	ISSN 2277-	Peer reviewed	---	Main author

	Antibacterial Activity of Essential (Omega-3-fatty acid) Thiosemicarbazide of <i>Linum usitatissimum</i> (Linseed) Seed oil 959-968	Research July 2014 UGC NO. 47932	7105	IF 5.045		
27	Study of Thiosemicarbazone Derivative of Essential Fatty acid 43-50	Journal of Engineering Computers & Applied Sciences July 2014 UGC NO. 43806	ISSN 2319-5606	Referred IF 0.675	---	Main author
28	Studies of Omega-3-Fatty acid Semicarbazide Derivative of Natural Seed oil 1428-1433	International Journal of Development Research July 2014 UGC NO. 45775	ISSN 2230-9926	Peer reviewed IF 4.753	---	Main author
29	Development and Validation of RP HP HPLC method for Identification and Quantification of Dextropropoxyphene Hydrochloride Narcotic Analgesic Drug 15-24	International Journal of Pharmaceutical Research and Development December 2014	ISSN 0974-9446	Peer reviewed IF 2.01	03	Co-author
30	Synthesis, Spectrophotometric Determination and Antimicrobial Activity of Copper (II) & Cr(III) with Salisal-2-Thiocarboxyhydrazide (STCH) {(Z)-1-(2-Hydroxybenzylidene Thiosemicarbohydrazide)} 36-43	International Journal of Pharmaceutical Research and Development December 2014	ISSN 0974-9446	Peer reviewed IF 2.01	01	Main author
31	Synthesis & Antimicrobial Activity of N-{(2-(Morpholin-4-yl)-Quinoline-3-yl) Methyl}-4H-1,2,4-Triazol-4-amine	International Journal of Pharmaceutical Research and Development December 2014	ISSN 0974-9446	Peer reviewed IF 2.01	01	Co-author

	Derivatives 82-86					
32	Synthesis and Biological Activity of Hydrazide-hydrazones and Their Corresponding 3-Acetyl-2,5-disubstituted-2,3-dihydro-1,3,4-oxadiazoles 96-103	International Journal of Pharmaceutical Research and Development December 2014	ISSN 0974-9446	Peer reviewed IF 2.01	01	Co-author
33	Novel Synthesis and Characterisation of Analogue of Dabigatranetexilate and Study the various Drug relevant Properties 123-129	International Journal of Pharmaceutical Research and Development December 2014	ISSN 0974-9446	Peer reviewed IF 2.01	04	Co-author
34	Mineral Turpentine Adulterant in Lubricating oil 975-980	Chemical Science Transactions July 2015	ISSN 2778-3458	Peer reviewed IF 0.855	03	Co-author
35	Determination of ethanol content in Medicated Syrups : A Comparison among Distillation, Titration and GC methods 248-252	Chemical Science Transactions, December 2016	ISSN 2778-3358	Peer reviewed IF 0.855	05	Co-author
36	Synthesis and Characterisation of 2-(4-Thiazolyl) benzimidazole Derivative 1460-1466	World Journal of Pharmaceutical Research April 2016 UGC 47332	ISSN 2277-7105	Peer reviewed IF 7.523	01	Main author
37	Synthesis and Characterisation of 5-((4-(2-methoxyethyl) phenoxy)methyl-2-chloropyridine 1492-1497	World Journal of Pharmaceutical Research August 2016 UGC 47332	ISSN 2277-7105	Peer reviewed IF 7.523	01	Main author
38	Transition Metal Complex of Indole-3-carboxaldehyde Nicotinohydrazine (E)-N'-((1H-indol-3-	February 2016 Journal of Medicinal Chemistry and Drug Discovery,	ISSN 2347-9027	Peer Reviewed	---	Main author

	yl)methylene)nicotinohydrazide : Synthesis, Characterisation and Antimicrobial Activity 677-688					
39	Synthesis and Potential Antimicrobial Activity and Evaluation of Naphtha[2,3-D] imidazole Derivatives 55-66	International Journal of Pharmacy & Pharmaceutical Research December 2016	ISSN 2349- 7203	Peer Reviewed IF 4.675	01	Main author
40	Synthesis of Novel N- {[2-(Morpholin-4-yl)- Quinoline-3- yl]methyl}2-{(4- aminophetyl)(ethyl amino] ethanol Derivatives 67-71	International Journal of Pharmacy & Pharmaceutical Research December 2016	ISSN 2349- 7203	Peer Reviewed IF 3.610	01	Co- author
41	Synthesis, Characterisation and Antimicrobial Activity of Zinc(II) with Benzothiazole- 2-aldehyde Thiosemicarbazide 77-84	International Journal of Pharmacy & Pharmaceutical Research December 2016	ISSN 2349- 7203	Peer Reviewed IF 3.610	02	Main author
42	Unusal finding of Nitrazepam a Hypnotic Drug in Alcoholic Beverage (Toddy) by Master Gas Chromatography 137-147	International Journal of Pharmacy & Pharmaceutical Research December 2016	ISSN 2349- 7203	Peer Reviewed IF 3.610	02	Co- author
43	Removal of Heavy Metals from Waste Water by the Treatment of Low Cost Natural Adsorbent 170-181	International Journal of Pharmacy & Pharmaceutical Research December 2016	ISSN 2349- 7203	Peer Reviewed IF 3.610	---	Main author
44	Antibacterial Activity , Phytochemical analysis of	International Journal of Pharmacy & Pharmaceutical		Peer Reviewed IF 3.610	---	Main author

	Methanolic extract of <i>Mucuna pruriens</i>	Research December 2016				
45	Synthesis, Characterisation of Pyridoxa Isonicotinoyl hydrazone Complex and its Biological Activity	International Journal of Institutional Pharmacy and Life Sciences March-April 2017	ISSN 2249- 6807	Peer reviewed	---	Main author
46	Synthesis, Characterisation and Biological Activity of Vanadium (V) with 2,4-Dihydroxy cinnamaldehydethios emicarbazide (2,4- DCTSC)	International Research Journal of Pharmacy May 2017	ISSN 2230- 8407	Peer Reviewed	---	Main author
47	Removal of Dye Crystal Violet from waste water by Low cost Natural Adsorbent (CCNS)	World Journal of Pharmacy and Pharmaceutical Research UGC 47332	ISSN 2278- 4357	Peer Reviewed IF 7.523	---	Main author
48	Study of Spectrophotometric Determination of Transition Metal using 2- Acetyl Thiopyran Thiocynate (1- Thiopyran-2-yl) Ethanone Thiocynate	World Journal of Pharmacy and Pharmaceutical Sciences UGC 48793	ISSN 2278- 4357	Peer Reviewed IF 6.617	---	Main author
49	Synthesis and Antimicrobial Activities of Cobalt (II) and Nickel (II) Schiff Base Complexes Derived from 3,4- Methylenedioxy Naphthaldehyde (Naphtho[1,2-D][1,3] Dioxole-5 carbaldehyde	International Journal of Pharmacy and Pharmaceutical Research	ISSN 2349- 7203	Peer Reviewed IF 5.016	---	Main author
50	Spectrophotometric Determination of Benzofurazon-4- carboxaldehyde isonicotonyl hydrazine complex	European Journal of Biomedical and Pharmaceutical Sciences UGC 47514		Peer reviewed IF 4.382	---	Main author

	with copper(II) and its Biological Activity					
51	Synthesis and Potential Biological activity Evaluation of pyridine amides derivatives with naphtha [2,3-d	International Journal of Pharmacy and Pharmaceutical Research, 10(3), 2017,1-4	ISSN 2213-3145	Peer reviewed	-----	Main author
52	Studies on the Removal of Heavy Metals Copper (II) and Cadmium (II) from aqueous solutions by Annona squamosa L.leaf Powder as an adsorbent 1-12	International Journal of Science and research Methodology Oct. 2017 UGC no. 63538	ISSN 2454-2008	Peer reviewed	-----	Main author
53	Synthesis and Photometric determination of Palladium (II) with furfuraldehyde-2-salisaldehyde thiosemicarbazone (F2STSC) and its Biological Activity 13-24	International Journal of Science and Research Methodology Oct 2017 UGC No. 63538	ISSN 2454-2008	Peer reviewed	-----	Main author
54	Phytochemical Study of White Variety seed of Abrus Precatorius, Linn (Leguminosae) an Unexplored Medicinal Plant of India	International Journal of Scientific Research & Technology	2395-602X	Peer reviewed	-----	Main author
55	Synthesis and Characterisation of Transition Metal Complexes of 2-hydroxy-1-Naphthylaldehyde{ 4-((2-hydroxynaphthalen-1-yl) methylene Thiosemicarbazone (2H1NATSC) and Its biological Activity	International Journal of Chemical and Physical Sciences	ISSN 2319-6602 3.265	Peer reviewed	-----	Main author
56	Synthesis and Characterisation of	International Journal of	ISSN 2319-	Peer reviewed	-----	Main author

	Transition Metal Complexes of 2-hydroxy-1-Naphthylaldehyde{ 4-(2-hydroxynaphthalen-1-yl) methylene Thiosemicarbazone (2H1NATSC) and Its biological Activity	Chemical and Physical Sciences	6602 3.265			
57	Adsorption ,kinetic,Eqquilibrium and thermodynamics Studies on the removal of Lead (II), Zinc (II) and Cadmium (II) from aqueous solution by the use of Natural Adsorbent	International Journal of Emerging Technologies and Innovative Research June 2019	ISSN 2349-5162	Peer reviewed 5.87	-----	Main author
58	Kinetic and Thermodynamic Study of the removal of Textile Congo red Dye from Aqueous solution by Adsorption onto Natural Adsorbent	International Journal for research in engineering Application and Management	ISSN 2454-9150	Peer reviewed 5.834 UGC No. 64077	-----	Main author
59	Synthesis, Characterisation, Antibacterial, Antifungal and Antimalarial Study of Mixed Ligand metal ComplexesDerived fromAzo Quinoline with Thiosemicarbazone	Asian Journal of Chemistry	ISSN 0975-427X	Peer reviewed	----	Main author
60	Bis(indolyl)methane and 8-Hydroxyquinoline Derivative based Mixed ligand metal Complexes : Synthesis, Characterisation, Antimicrobial Screening and Molecular Docking Study	Asian Journal of Chemistry	ISSN 0975-427X	Peer reviewed	----	Main author

19. Extension Work / Community Service

Sr. No.	Name of Extension work/ Community Service	Name of Sponsoring Agency	Place	Date	Own Role
1)	State Level Inter University Adventure Camp for Aids Awareness	NSS Cell Govt. of Maharashtra	Ratangad	04-07/12/1988	Co-ordinator
2)	District Level Tracking Camp	University of Pune	Ratangad	05-07/01/1997	Co-ordinator
3)	NSS National Integration Camp Officer	University of Pune	Manchi Hill	02/07/02/1994	Programmer Officer
4)	NSS Volunteers Workshop	University of Pune	S.M.B.S.T. College, Sangamner	19-20/08/2002	Programmer Officer
6)	National Level Integration & Adventure Camp	NSS Cell Govt. of Maharashtra	Ratangad	22-03/03/2002	Co-ordinator

20. Book Publications

- 1) T.Y.B.Sc. Physical Chemistry Paper I - SemI CBCS pattern Manali Prakashan
- 2) T.Y.B.Sc. Physical Chemistry Paper II - SemII CBCS pattern Manali Prakashan
- 3) T.Y.B.Sc. Physical Chemistry Paper III - SemII CBCS pattern Manali Prakashan
- 4) T.Y.B.Sc. Physical Chemistry Practical - SemI & II CBCS pattern Manali Prakashan

21. ADMINISTRATIVE RESPONSIBILITY

- 1) CEO
- 2) Member College Development Committee
- 3) Member, Women Sexual Harassment Prevention Committee
- 4) Member, College Annual Gathering
- 5) Co-ordinator, TYBSc Practical Examination
- 6) Chairman , NAAC Criteria No V
- 7) Co-ordinator, research Center Chemistry
- 8) Staff Secretary
- 9) Co-ordinator RUSA
- 10) Chairman, Time table Committee
- 11) Member, Local Filing squad
- 12) Member, Admission Committee
- 13) Co-ordinator, National Conference organized Dep of Chemistry
- 14) Co-ordinator, international Conference organized by dept. Chemistry
- 15) Chairman, unfair Committee
- 16) Member, Purchase Committee
- 17) Subject expert for Staff Interview

22. Social Work

Member of Bahina Monthly Magazine

Member of Mahila Dakshata Samiti Ahmednagar Police 2005

Actively Participated in Chakrabhed Workshop of 10 days organized by Masum, Pune

23. Articles Published in Bahina Monthly Magazine for Rural & Arban Women

- 1) **Women Empowerment Article Nilima** ----- **Diwali Magazine 2011**
- 2) **Commercial Education after 10th & 12th** ----- **May 2012**
- 3) **Medicinal Plant Kohala** ----- **July 2013**
- 4) **Organic Farming** ----- **Feb. 2013**
- 5) **Medicinal Importance of Onion** ----- **Feb. 2016**
- 6) **Medicinal Importance of Corriandar** ----- **April 2016**
- 7) **Medicinal Importance of Jamun** ----- **June 2016**