

CURRICULUM VITAE

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71, Ganesh Colony,
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India (424001)

PROFESSIONAL SYNOPSIS

- Thirty years of experience in academia and research, backed by Ph.D (Chemistry) in 2008.

ACADEMIC DETAILS

Examination Passed	Board/ University	Group/ Subject	Percentage Secured	Class	Year of Passing
Ph.D.	North Maharashtra University, Jalgaon	Chemistry	---		2008
M.Sc.	Pune University, Pune	Organic Chemistry	---%	First Class	1988
B.Sc.	Pune University, Pune	Chemistry	---%	First Class	1985

THESIS / DISSERTATION TITLE

- Ph.D. in Chemistry (Doctor of Philosophy)
Research Topic: '*Synthesis of Heterocyclic Compounds*'

PROFESSIONAL EXPERIENCE

Organization Name	Designation	From Date	To Date
SVS's Dadasaheb Rawal College, Dondaicha, Dist- Dhule-425408	I/C Principal	April 2018	July-2018.
	Head of Chemistry Department	July 2010	June-2018
	Associate Professor	July 2006	Till date
	Lecturer	July 1988	June 2006

UG: 29 years, **PG:** 13 Years, **Research:** 18 years

BOOKS, PATENTS, PUBLICATIONS, CONFERENCES & WORKSHOPS

▪ Books	:-	05	
▪ Patents	:-	06	(filed)
▪ Publications (International)	:-	66	
▪ International Level Conferences	:-	10	
▪ National Level Conferences	:-	16	
▪ Workshops	:-	18	
▪ Google Citation	:-	243	<i>h</i> -index :- 10 <i>i10</i> -index :- 10
▪ Research Gate (RG)Score	:-	20.02	
▪ Research Gate Citations	:-	375	

BOOKS

- 1) Text book of Environmental Chemistry for T. Y. B. Sc. (Chemistry)
(Publisher: Prashant Publications. ISBN: 978-93-85019-28-9)
- 2) A Book titled Heterocyclic Synthesis, Pyrazoles, Amino-Pyrimidines and Malononitriles Derived from Cyclic Imides, **LAP LAMBERT Academic Publishing, Germany** www.lap-publishing.com
Amazon International Link: <https://www.amazon.com/Book-Heterocyclic-Synthesis-Amino-Pyrimidines-Malononitriles/dp/3330074760>
- 3) A Book titled The Synthesis of Heterocycles: Synthesis and formylation of Heterocycles using Vilsmeier-Haack reaction, **ISBN-13: 978-3330319400, ISBN-10: 3330319402, LAP LAMBERT Academic Publishing, Germany.** www.lap-publishing.com
Amazon International Link: <https://www.amazon.com/Synthesis-Heterocycles-formylation-Vilsmeier-Haack-reaction/dp/3330319402>
- 4) Text book of Environmental Chemistry for T. Y. B. Sc. (Chemistry)
(Publisher: Prashant Publications. ISBN: 978-93-84228-57-6)
- 5) A Book titled Synthesis, PGR, Microbial Activities of Heterocycles, **ISBN-13: 978-620-2-05982-4, ISBN-10: 6202059826, LAP LAMBERT Academic Publishing, Germany.** www.lap-publishing.com
Amazon International Link: <https://www.amazon.com/Synthesis-PGR-Microbial-Activities-Heterocycles/dp/6202059826>

PATENTS

- 1) Title processed for the registration in Indian national patent 'SYNTHESIS OF NOVEL BISCHALCONES AND THEIR PLANT GROWTH REGULATOR CUM ANTIMICROBIAL ETIQUETTES' accepted **Application Number – 201721032011.**
- 2) Title processed for the registration in Indian national patent 'SYNTHESIS OF NOVEL BISPYRAZOLES ACTS AS PLANT GROWTH REGULATORS' accepted **Application Number – 201721032002.**
- 3) Title processed for the registration in Indian national patent 'SYNTHESIS OF NOVEL AZODIPYRANO, DICARBONITRILE ACTS AS PLANT GROWTH REGULATORS AND ANTIMICROBIAL AGENTS' accepted **Application Number – 201721032007.**
- 4) Title processed for the registration in Indian national patent 'PREPARATION OF NOVEL BIS-THIOPYRIMIDONE SYNTHONES' accepted **Application Number – 201721040800.**

- 5) Title processed for the registration in Indian national patent 'SYNTHESIS OF NOVEL BIS-BENZODIAZEPINE COMPOUNDS' accepted **Application Number – 201721040803**.
- 6) Title processed for the registration in Indian national patent 'FORMULATION OF NOVEL BIS-PYRIMIDONE SYNTHONES' accepted **Application Number – 201721040806**.

PUBLICATIONS

- 1) Synthesis of 1-(3-Aryl/Alkyl-4-formyl pyrazole-1-carbonyl)-4-chlorobenzene, Asian Journal of Chemistry, 19(4), 3265-3267, 2007.
- 2) Synthesis of some biologically active 3-methyl-4-(substituted phenyl hydrazono)-2-pyrazolin-5-ones and 2-isoxazolin-5-ones, Asian Journal of Chemistry, 19 (6), 4479-4482, 2007.
- 3) Studies on Vilsmeier-Haack reaction; preparation and antimicrobial activity study of 2,5-dichloro-3,4-diformyl (N-substituted phenyl) pyrroles, Asian Journal of Chemistry, 19 (6), 4939-4941, 2007.
- 4) Synthesis and antibacterial activity of 1-Hydro-5-methyl-6-(substituted phenylhydrazono)-4-pyrazolin-7-ones, Asian Journal of Chemistry, 19 (7), 5766-5768, 2017.
- 5) Synthesis & microbial screening of seven membered heterocyclic ring compounds from 1, 2-diaminobenzene, International Journal of Pharm Tech Research, 1 (3), 900-904, 2009.
- 6) Synthesis of benzaldehyde substituted phenyl carbonyl hydrazones and their formylation using Vilsmeier Haack reaction, International Journal of Pharm Tech Research. 1 (4), 1605-1611, 2009.
- 7) A novel method for the synthesis of formyl pyrazoles using Vilsmeier Haack reaction, International Journal of Pharmacy and Pharmaceutical Sciences. 3 (4), 346-351, 2011.
- 8) Synthesis and Characterization of bis-Heterocyclic derivatives of 1-(3-chlorophenyl)-pyrrolidine-2, 5-Dione, International journal of advance in pharmacy, Biology and Chemistry, 1 (2), 2012.
- 9) Synthesis, characterization and antibacterial activity of Mercapto 1, 2, 4-triazole, 1, 3, 4-thiadiazoles, Mercapto benzhydrazones and thiazolidinone derivative of 4-hydroxybenzhydrazide, International Journal of Pharmacy and Pharmaceutical Sciences. 4 (2), 2012.
- 10) Synthesis, characterization and antibacterial activity of 1-isonicotinoyl,-3-(4-methoxyPhenyl)-5-(substituted phenyl) formazanes, International Journal of advance in pharmacy, Biology and Chemistry, 2 (2) April-June 2013.
- 11) Synthesis, characterization of 8-Hydroxy-3-(4-Hydroxyphenyl)-8-Methyl-7-(SubstitutedphenylHydrazono)-7,8-Dihydro[1,2,4]Triazolo[3,4-b][1,3,4] Thiadiazepin-6(5H)-One, International Journal of Pharmacy and Pharmaceutical Sciences. 5 (2), May 2013.
- 12) Succinimides: synthesis, reaction and biological activity, International Journal of Pharmacy and Pharmaceutical Sciences. 6 (11), 2014.
- 13) Pyrazole: synthesis, reaction and biological activity, World Journal of Pharmaceutical Research. 3 (10), 1151-1172, 2014.
- 14) Synthesis and Characterization of bis-Heterocyclic Compounds using cyclic Imides, Journal of advances in science and technology. 14, 29-32, 2014.
- 15) 1, 2, 4-Triazole: synthesis, reaction and biological activity, International Journal of Pharmacy and Pharmaceutical Sciences, 7 (5), 2015.

- 16) Synthesis and antimicrobial activity of five membered cyclic imide derivatives of mono, di, tri substituted aromatic amines and naphthyl amine. *World Journal of Pharmaceutical Research*, 4 (6), 1650-1657, 2015.
- 17) Synthesis and uses of chalcone in heterocyclic synthesis. *World Journal of Pharmaceutical Research*, 4 (7), 1566-1591, 2015.
- 18) Malononitrile: A versatile active methylene group, *International Letters of Chemistry, Physics and Astronomy*, 57, 126-144, 2015.
- 19) Synthesis, characterization and antimicrobial evolution of six membered cyclic imides, *International Journal of Chemistry and Pharmaceutical Sciences*, 3(8), 1877-1880, 2015.
- 20) Synthesis and formylation of cyclic imides using Vilsmeier- Haack reaction from 2,6-Dichloro-4-trifluoromethylaniline and antimicrobial activity, *World Journal Pharmaceutical Research*, 4 (12), 1689-1695, 2015.
- 21) Synthesis and antimicrobial evolution of some novel bis-heterocyclic Chalcone from cyclic imides under microwave irradiation, *Chemical Science Review and Letters*, 4(15), 937-944, 2015.
- 22) Microwave assisted synthesis and microbial screening of novel amino-Pyrimidine derivatives using bis-chalcones, *International Journal of Chemistry & Chemical Sciences*, 5 (10), 550-556, 2015.
- 23) Isoxazole-A basic aromatic heterocycle: Synthesis, reactivity and biological Activity, *International Journal of Chem Tech Research*, 8 (7), 997-1017, 2015.
- 24) Synthesis, characterization and biological evaluation of some novel Schiff's bases derived from halovinyl aldehyde and 4-amino-5-(pyridin-4-yl)-4H-1,2,4-triazole-3-thiol. *Der Pharma Chemica (SCOPUS)*, 7(10), 510-514, 2015
- 25) Microwave Assisted Synthesis and Antimicrobial activities of 3,4-bis-(4-hydroxy-3-methoxybenzylidene)-7-(N-phenyl)-3,3a,3b,4,5,7-hexahydro-2H-pyrrolo [2,3-c,5,4-c] di pyrazole, *International Journal of Current Trends in Pharmaceutical Research*, 3 (6), 1106-1109, 2015.
- 26) Microwave assisted synthesis and antimicrobial screening of novel 9-(N-phenyl) - 4, 5-(2",'''-methoxyphenol)-9H-1,3,6,8,9-hexa-azo-fluorene-2,7-diamine derivatives using bis-heterocyclic chalcones, *International Journal Of Advances In Pharmacy, Biology And Chemistry*, 4(4), 863-870, 2015.
- 27) Synthesis of new series of N-substituted phenyl succinimide and glutarimide Derivatives for the study of their antifungal activity, *International Journal of Chemical Studies*, 4 (1), 61-63, 2016.
- 28) Microwave synthesis and antimicrobial influence of some novel 2,2'-(N-Phenyl Piperidine-2,6-diylidene) Dimalononitrile compounds derived from N-Phenyl Glutarimides, *Heterocyclic Letters*, 6 (3), 543-451, 2016.
- 29) Synthesis and antimicrobial evaluation of 2,6-Bis((E)-2-Hydroxynaphthalen-1- -yl) Diazenyl)-1-Substituted Phenyl-1,4-dihydropyridine-3,5-dicarbaldehyde, *World Journal Pharmaceutical Research*, 5 (10), 584-595, 2016.
- 30) Synthesis and antimicrobial valuation of some novel chalcones and pyrazoles from cyclic imides under microwave irradiation, *International Journal of Chemistry and Pharmaceutical Sciences*, 4 (6), 286-291, 2016.
- 31) One pot synthesis and antimicrobial evaluation of some novel chalcones and Pyrazoles from cyclic imides under microwave irradiation, *World Journal Pharmaceutical Research*, 5 (8), 1301- 1313, 2016.

- 32) Synthesis and Antimicrobial Evaluation of Some Novel Chalcones and Pyrazoles from Cyclic Imides under microwave irradiation, *International Journal of Chemistry and Pharmaceutical Sciences*, 4(6): 286–291, 2016.
- 33) Synthesis, Characterization and Antimicrobial Evaluation of Novel Five and Six Membered cyclic Imide Derivatives of 2-Amino 5-Methyl, 2-Amino 4-Methyl, 2-Amino 6-Methyl Pyridine, *International Journal of Current Research*, 8(11): 41647–41551, 2016.
- 34) Synthesis, characterization and antimicrobial evolution of (3Z,4Z)-3,4-Bis (Substituted phenyl benzylidene)-1-(4-Substituted phenyl) Pyrrolidine-2,5-dione, *International Journal of Pharmacy and Pharmaceutical Sciences*, 8 (6), 289-291, 2016.
- 35) Synthesis, physicochemical probe and antimicrobial assay of bis-chalcone, pyrazole, amino-pyrimidine and malononitrile derivatives from five and six membered cyclic imides, *Iranian Journal of Organic Chemistry*, 8 (4), 1909-1918, 2016.
- 36) Synthesis and antimicrobial evaluation of some novel malononitrile Derivatives from N-phenylpyrrolidine-2,5-diones under microwave Irradiation, *Der Pharma Chemica*, 8 (1), 257-262, 2016.
- 37) Microwave assisted solvent free and antifungal evaluation of 3,5-bis-(4-hydroxy-3-methoxybenzylidene)-N-phenylpiperidine-2,6-dione derived from N-phenyl glutarimides, *International Journal of ChemTech Research.*, 9 (3), 325-331, 2016.
- 38) Synthesis and antimicrobial evaluation of some novel diazo derivative of Cyclic imides using diazotization coupling reaction, *Chemical Science review and letters*, Vol. 4(17), 59-65, 2016.
- 39) Microwave supported synthesis and antimicrobial evaluation of bis-pyrazole derivatives from N-phenyl glutarimide, *International Letters of Chemistry, Physics and Astronomy*, 65, 53-63, 2016.
- 40) Synthesis, characterization and antimicrobial evaluation of novel five and six Membered imide derivatives of 2-Amino 5-Methyl 2-Amino 4-Methyl 2-Amino 6-Methyl Pyridine, *International journal of current research*, 8 (11), 41647-41651, 2016.
- 41) Synthesis, characterization and biological evaluation of 3,4-bis(substituted-Phenyl)-7-(2,6-dichloro-4-(trifluoromethyl)phenyl)-7H-pyrrolo[2,3-c:5,4-c'] Diisoxazoles from 2,6-dichloro-4-trifluoro methyl aniline, *International journal of current trends in pharmaceutical research*, 5(1), 17-22, 2017.
- 42) Synthesis and evaluation of antimicrobial activity of some novel chalcones of 2,6-dichloro-4-trifluoro methyl aniline, *Heterocyclic Letters*, 7 (2), 333-339, 2017.
- 43) Microwave assisted synthesis of 3,4-bis(substituted phenyl)-7-(4-methyl pyridine-2-yl)-3,3a,3b,4,5,7-hexahydro-2H-pyrrolo[2,3-(c:5,4-c)] dipyrrazole, *International Journal of ChemTech Research.*, 10 (7), 249-253, 2017.
- 44) Synthesis & Characterization Of Bis-Pyrazoles Using 2-Amino 6-Methyl Pyridine, *World Journal of Pharmacy & Pharmaceutical Science*, 6 (7), 1646-1652, 2017.
- 45) Synthesis and Characterization of Bis-Pyrazoles Using 1-(5-Methyl Pyridine-2-yl) Pyrrolidine-2,5Dione Under Microwave Irradiation. *International Journal of Chem Tech Research*, 10 (9), 73-78, 2017.
- 46) Microwave Assisted Solid Phase Synthesis and Characterization of Microbially Potent 7h-Pyrrolo [2, 3-C: 5, 4-C'] Diisoxazole Derivatives. *European Journal Of Biomedical And Pharmaceutical Sciences*. 4 (12), , 601-607, 2017.
- 47) Design, Synthesis and Biological Evaluation of Novel Class of Heterocyclic Schiff Bases. *European Journal Of Biomedical and Pharmaceutical Sciences*, 4 (10), 842-845, 2017.

- 48) Microwave assisted solid phase synthesis and characterization of microbially potent 7H-Pyrrolo [2, 3-C: 5, 4-C] Diisoxazole Derivatives. *European Journal of Biomedical and Pharmaceutical Sciences*, 4 (12), 601-607, 2017.
- 49) Synthesis and antimicrobial evaluation of some novel 3,4- bis(substituted- phenyl)-7-(2,6-dichloro-4- (trifluoromethyl)phenyl)-5,7-dihydro-2H- pyrrolo[2,3-c:5,4- c']dipyrazole derivatives of 2,6-dichloro-4-trifluoro methyl aniline. *International Journal of Chem. Tech Research*, 10 (9), 164-172, 2017.
- 50) Microwave assisted synthesis of potent antifungal Bis-heterocyclic chalcone from N-phenyl substituted succinamide. *International Journal of Green and Herbal Chemistry Sec.A: 7 (1)*, 17-25, 2017.
- 51) Microwave Assisted Synthesis, Characterization and microbial evaluation of hexahydro-2H-pyrrolo [2,3-c:5,4-c']dipyrrazole Derivatives. *International Journal of Chemical and Physical Sciences*, 6, 678-86, 2017.
- 52) Green synthesis and antimicrobial evaluation of N-aryl cyclic imides using silica bound benzyl chloride mediated solid phase synthesis. *International Journal of Green and Herbal Chemistry Sec.A; 7 (1)*, 35-46, 2017.
- 53) Clean Synthesis and Antimicrobial Interpretation of Azo (Dipyran) and Bis- Chalcones Derivatives from N-Phenyl Pyrrolidine-2,5-Dione and N-Phenyl Piperidine-2,6-Dione, *Heterocyclic Letters*, 8(1): 133–144, 2017.
- 54) Synthesis of Pyridine and Phenyl Succinimide by Green Pathway and Their Antimicrobial Assay. *American Journal of Heterocyclic Chemistry*, 4(1), 26-29, 2018.
- 55) Synthesis, reactivity and biological applications of halo vinyl aldehydes: A review, *World Journal Pharmaceutical Research*, 7 (3), 179- 203, 2018.
- 56) Synthesis and characterization of some novel bis-isoxazole from 3,4-di((Z)-Benzylidene)-1-(5-Methylpyridin-2-yl) Pyrrolidine-5,5-dione under microwave-irradiation. *European Journal of Biomedical and Pharmaceutical Sciences*. 5(3),254-258,2018.
- 57) Synthesis of Bis-Pyrazoles using 1-(4-Methylpyridin-2-yl) Piperidine-2,6-Dione. *European Journal of Biomedical and Pharmaceutical Sciences*. 5(3),625-629,2018.
- 58) Synthesis, characterization and antimicrobial evaluation of Bis-Pyrazoles using 1-P-tolylpyrrolidine-2,5-Dione. *World Journal Pharmaceutical Research*, 7 (5), 1085- 1093, 2018.
- 59) Microwave Assisted Synthesis, Characterization and microbial evaluation of 4-tetrahydro-2H-pyrrolo [2,3-c:5,4-c] dipyrazole-2,5(7H)-dicarboxamide derivatives. *Asain.J.Research Chem*.11(1), 77-83, 2018.
- 60) Clean synthesis and antimicrobial interpretation of azo (dipyran) and bis-chalcones derivatives from N-phenyl pyrrolidine-2,5-dione and N-phenyl piperidine-2,6-dione. *Heterocyclic letters*. 8(1), 133-144, 2018.
- 61) Synthesis of Pyridine and Phenyl Succinimides by Green Pathway and their Antimicrobial Assay, *American Journal of Heterocyclic Chemistry*, 4(1): 26–29, 2018. *doi: 10.11648/j.ajhc.20180401.13*.
- 62) Greener Approach of Synthesis of Azo Derivatives and Bis- Pyrazole Derivatives along with Antimicrobial Screening, *World Journal of Pharmaceutical Research*, 7(7), 1640-1656, 2018 *doi: 10.20959/wjpr20187-11613*.
- 63) Synthesis and PGR Assessment of Some Novel Chalcones and Pyrazoles, *International Journal of Creative Research Thoughts*, 6(2), 263-275, 2018. *doi: 10.1729/IJCRT.17445*.
- 64) Microscopic Crystal Structure Explorations of the Substituted N – Succinimides and

- Glutarimides, *International Journal of Multifaceted and Multilingual Studies*, V(IV): 43–51, 2018.
- 65) Microwave Assisted Synthesis of Heterocycles Accompanied by Antimicrobial Screening, *Journal of Advances and Scholarly Researches in Allied Education*, (2018), XV(2): 324–329, 2018.
- 66) Greener Synthesis and Plant Growth Regulator (PGR) Evaluation of Some Novel Bis-chalcones and Pyrazoles, *Asian Journal of Biology*, 6(1), 1-17, 2018. *doi: 10.9734/AJOB/2018/40810*.

CONFERENCES

- 1) “Synthesis of some biologically active 3-methyl-4-(substituted phenyl hydrazono)-2-Pyrazolin-5-ones and 2-isoxazolin-5-ones”. In the International Conference of CBISNF-2004 at Vigyan Bhavan Delhi during 21st to 26th Nov. 2004.
- 2) “Studies on Vilsmeier-Haack reaction; preparation and antimicrobial activity study of 2,5-dichloro-3,4-diformyl (N-substituted phenyl) pyrroles” in National Seminar on Frontiers of Chemical Sciences at Women’s College, Aurangabad on 12th and 13th March 2005.
- 3) “Synthesis of 1-(3-Aryl/Alkyl-4-formyl pyrazole-1-carbonyl)-4-chlorobenzene”, in the National Conference on RTSOC-2005 at NMU, Jalgaon during 16th and 17th December 2005.
- 4) “Synthesis and antibacterial activity of 1-Hydro-5-methyl-6-(substituted phenylhydrazono)-4-pyrazolin-7-ones” in 43rd Annual Convention of Chemists 2006 at Dr. B.R. Ambedkar Marathwada University, Aurangabad during 23rd to 27th December 2006.
- 5) “Synthesis of 1-(3- Aryl/Alkyl-4-Formyl Pyrazole-1 Carbonyl) 4-Hydroxy benzenes” in UGC sponsored State Level Seminar RAIOSR-2007 at P.S.G.V.P.M’s Arts, Commerce and Science College, Shahada (Nandurbar) on 20-21 Feb. 2007.(This paper has been awarded 1st Prize in Oral Presentation.)
- 6) “Synthesis of 1-(3-Aryl/Alkyl-4-formyl pyrazole-1-carbonyl)-benzenes”, in 44th Annual Convention of Chemists 2007 at Jaipur during 23-27th December 2007.
- 7) “Synthesis of Antimicrobial compounds using Vilsmeier-Haack Reaction”. In the International Conference of YMDDNT-2008 at Nanded during 27th-29th Jan 2008.
- 8) “Synthesis of formazans and their biological activities” In the International Conference on Recent Advances in Chemistry at Karnataka University, Dharwad on 23rd to 27th Nov 2008.
- 9) “Synthesis, characterization and antimicrobial studies of 1, 3, 4-thiadiazoles and mercaptobenzhydrazones” in the International Conference on Recent Research Trends in Chemical Sciences at VIT University, Vellore, Tamilnadu during 2nd to 6th December 2009.
- 10) “Synthesis, characterization and antibacterial activities of mercapto 1, 2, 4-triazole 1, 3, 4-thiadiazole, mercapto benzhydrazones, thiazolidinone derivatives of 4-hydroxy benzyldrazide”. In the State level conference ETCCR-2011 at Z.B. Patil College, Dhule during 19-20 Feb. 2011.
- 11) “Synthesis and Characterization of bis-Heterocyclic derivatives of 1-(3-chlorophenyl)-pyrrolidine-5, 5-Dione”, In the National Conference at Osmania University, Hyderabad; during 27-30 Dec 2011.
- 12) “Synthesis, characterization of 1, 3, 4-thiadiazepines”, In the National Conference on modern techniques in chemical analysis at SVS’s Dadasaheb Rawal College, Dondaicha; during 6-7 Feb. 2013.

- 13) "Synthesis of Morpholines via SN₂-Type Nucleophilic Ring Opening of Aziridines with Haloalcohol", In the National Conference on Innovation in Chemistry-Laboratory to Society at North Maharashtra University, Jalgaon; on 11th march 2013.
- 14) "Synthesis, characterization and comparative study of effect on seedling growth by Cyclic imides and its derivatives". National Conference on Recent Emerging Trends in Plant Sciences (RETPS-2013) at PSGVP College Shahada; during 6-7 September-2013.
- 15) "Synthesis and Characterization of bis-Heterocyclic Compounds using cyclic imides." In the International Conference on Global Opportunities for Latest Developments in Chemistry and Technology-2014 at North Maharashtra University, Jalgaon; on Feb.06-08, 2014.
- 16) "Synthesis and Characterization of 4, 4'-(1E, iE) - (2,5-dichloro-1-(4-substituted phenyl)-1H-Pyrrole-3, 4-diyl)bis (Methane-1-yl -1-ylidene) bis(azan-1yl-1-ylidene)bis(5-(pyridine-4-yl)-4H-1,2,4triazole-3-thiol)." 4th International Science Congress at Pacific University, Udaipur, Rajasthan; 8-7 December-2014.
- 17) "Synthesis and Characterization of(3Z,4Z)-1-(4-Substituted Phenyl)-3,4-Bis(4-Hydroxy-3-Methoxy Benzylidene) pyrrolidine-2,5-Dione. National Conference of Sustainable chemistry: Frontiers & Challenges [NCSC-2015] at Brijlal Biyani Science College, Amravati; on January 30-31,2015.
- 18) "Green approach in the synthesis of cyclic imides using heterocyclic Amines and their characterization". National seminar on Recent Trends in Environmental Protection: Concerns and Challenges (RTEPC) at B.S.S.P.M's Arts, Commerce and Science College, Songir, Dist. Dhule; 5-Oct.2015.
- 19) "Synthesis, Characterization and Antifungal Activity of Bis-Heterocyclic Chalcones". National seminar on Recent Trends in Environmental Protection: Concerns and Challenges (RTEPC) at B.S.S.P.M's Arts, Commerce and Science College, Songir, Dist. Dhule; 5-Oct.2015.
- 20) "Novel method for synthesis of new entities of azo compounds with different groups from cyclic imides" Frontiers of Advances in Chemistry and Technology-2015. School of Chemical Sciences, North Maharashtra University, Jalgaon; Dec.11-12, 2015.
- 21) "Synthesis, Characterization and Antifungal Activity of 2,2-(2,5-dichloro-1-Substituted phenyl-1H-pyrrole-3,4-diyl) bis (thiazolidine-4-carboxylic acid) Derived from halovinyl aldehyde and l-cysteine Sixth International- Science Congress Rajgurunager, Pune, 8-9 Dec.2016.
- 22) "Synthesis and Characterization of Chalcones using 2-Amino substituted pyridines Current & emerging trends in green chemistry. R. C. Patel A. C. S. College, Shirpur.18-19 Jan.2017.
- 23) "Green Approach towards Synthesis of N-aryl Succinamide Using Solid Support SBBC" National Conference on Recent Trends in Chemistry and Environment. D. N. Bhole College, Bhusawal.5-Dec.2017.
- 24) "Synthesis and Characterization and Biological Evaluation of Novel Isoxazoles from 2,6-Dichloro-4-Trifluoro methyl aniline." National Conference on Recent Advances in Chemical & Biological Sciences for Sustainable Development-2018.Z. B. Patil College,Dhule.3-Feb.2018. entitled by
- 25) Paper entitled by "*Microscopic Crystal Structure Explorations of the Substituted N – Succinimides and Glutarimides*" presented in International Level Conference on Recent Trends in Science, Engineering Technology and Humanities organized by Sangola Polytechnic College, Sangola (13th April-2018).
- 26) Paper entitled by "*Microwave Assisted Synthesis of Heterocycles Accompanied by*

Antimicrobial Screening” presented in National Level Conference on Industrial Practices in Civil Engineering organized Imperial College of Engineering and Research, Wagholi, Pune (25 to 27th April-2018).

27) Poster entitled by “*Synthesis and antimicrobial evaluation of biologically active dihydrazinyl-pyrrolo bis oxadiazepine and dihydrazinyl-dihydropyrido bis oxadiazepine compounds from halo vinyl aldehyde of substituted cyclic imides*” presented in 23rd CRSI National Symposium in Chemistry (CRSI-NSC-23) at IISER Bhopal, Madhyapradesh, india (13 to 15th July-2018).

OTHER ACADEMIC ACTIVITES

- 1) Attended 24th mid-year meeting of Indian Academy of Sciences, Bangalore at IISER Bangalore during 3 to 5 July 2013
- 2) Attended 21st Annual meeting of Indian Academy of Science at IISER Pune during 5 to 8 November 2015
- 3) **Minor Research Project (completed)**
 - A. Synthesis of Morpholines Via SN2 – type Nucleophilic Ring-opening of Aziridines with Halo alcohol. This project was completed at I I T Kanpur during summer fellowship – 2012. This project has been submitted to Indian Academy of Sciences Bangalore.
 - B. Synthesis, characterization and antibacterial activity of Mercapto 1,2,4-trizole, 1,3,4-thiadiazoles, Mercapto benzhydrazones and thiazolidinone derivative of 4-hydroxybenzhydrazide. (Self funded)
- 4) Participated in various Seminars/Workshops/Symposia at University/ State/ National level in the field of education and research
- 5) Presented papers at various seminar/conferences at State/ National/ International level in the field of education and research
- 6) Recognition as a Ph.D. Research Guide in Chemistry (Ref. No.NMU/11/PGR/Chem./2257/2010)
- 7) Attended all the four refresher courses required for senior scale & selection grade.
- 8) About Research:
 - A. Synthesis of Heterocyclic compounds using Vilsmeier-Haack reaction.
 - B. Synthesis pyrazoles, Oxazoles, Thiazoles, Formazans, Acidhydrazideds, and Schiff’s bases, Diformylated heterocyclic compounds, Succinimides, Glutarimides etc
- 9) No. of Research students under supervision – 06
- 10) Ph.D. Thesis Supervised: 02

PORTFOLIOS HANDLED

- 1) In charge principal of the college.
- 2) Chairman, B.O.S.in Chemistry ,N.M.U.Jalgaon.
- 3) Member,Academic Council , N.M.U.Jalgaon.
- 4) Member, Faculty of Science, N.M.U.Jalgaon.
- 5) Head, Department of Chemistry
- 6) Honorary scientist at R & D laboratory Universal Starchchem Allides Ltd. Dondaicha (lab is DSIR Delhi recognized).
- 7) Recognition as a Ph.D. Research Guide in Chemistry (Ref. No. NMU/11/PGR/Chem/2257/2010)
- 8) Recognition as a Ph.D. Research Guide in Chemistry (JJT University Rajasthan).
- 9) Worked as coordinator of Y.C.M.O.U. Nasik study centre for 13 years.
- 10) Worked as President of NMUCTO local unit.
- 11) Worked as Acting Principal of the college
- 12) Worked as a coordinator of Student Placement & Counseling Cell.
- 13) Member of Governing Body, North Maharashtra University, Jalgaon, Chemistry Teacher's Association.
- 14) Member of Finance Body of Institution.

MEMBERSHIP OF NATIONAL SCIENTIFIC PROFESSIONAL BODIES

- 1) Life member of "Chemical Research Society of India (CRSI)"
- 2) Life member of "International Science Congress Association (ISCA)"

FELLOW AND AWARDS

- 1) **Fellow** - Summer Fellow of
 - A. Indian academy of Sciences
 - B. Indian National Science Academy
 - C. The National Academy of Sciences
- 2) **Award-**
Best paper presentation award for "Synthesis of 1-(3- Aryl/Alkyl-4-Formyl Pyrazole-1 Carbonyl) 4-Hydroxy benzenes" in **UGC sponsored State Level Seminar RAIOSR-2007**

at P.S.G.V.P.M's Arts, Commerce and Science College, Shahada (Nandurbar) on 20-21 Feb. 2007.

PERSONAL INFORMATION

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I hereby declare, that the above information and details provided by me are correct to the best of my knowledge.

Date:

Place: Dondaicha

Dr Shankarsing Sardarsing Rajput