

# Faculty Profile



## General information

Name (in Block Letters)	:	DR. ATUL VIJAY YADGIRE
Qualification		M.Sc., Ph.D.
Department	:	Chemistry (Science)
Current Designation	:	Assistant Professor
Date of Joining		20/09/2019
Name of Institution	:	Shri Shivaji College of Arts, Commerce and Science, Akola
Phone No.	:	9766135433
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## Academic Qualification

Sr.No.	Degree	Name of University/Board	Year	Division
1	Ph.D.	S.G.B. Amravati University, Amravati	2013	NA
2	M.Sc.	S.G.B. Amravati University, Amravati	2008	I
3	B.Sc.	S.G.B. Amravati University, Amravati	2006	I

## Research degree (s) particulars

Degrees	Title	Date of award
Ph.D.	Synthesis and Structural Characterization of Maltosyl Isothiocyanate and Related Heterocyclic Compounds	16/05/2013

## Teaching and Research Experience

Teaching Experience	Experience in Years
Teaching Experience at Degree Level	09 yrs.
Teaching Experience at Post-Graduate Level	07 yrs.
Research Experience	08 yrs.

## Membership of professional bodies

- 1 Life Member of The Indian Science Congress Association, Kolkata
- 2 Member of Amravati University Chemistry Teachers Association, Amravati
- 3 Life Member of Indian Society for Technical Education, Delhi
- 4 Life Member of Maharashtra Green Army, Forest Dept., Govt. of Maharashtra.

## Research papers published in journals

Sr. No.	Title with Page No.	Journal	DOI	ISSN / ISBN No.	Whether Peer Reviewed /Impact factor	No. of Co-authors	Whether you are the main author
1	Dithiazolidines: Synthesis and antimicrobial activity of some novel N-maltosides, pg. no. 780-783	Rasayan Journal of Chemistry, 4(4), 780-783, 2011.		ISSN: 0974-1496 (Print) ISSN: 0976-0083 (Online)	Peer Reviewed I.F.- 1.22	2	Yes
2	Comparative study of microwave induced and conventional synthesis of acetylated sugar isothiocyanates and related thiocarbamides, pg. no. 1614-1619	Journal of Chemistry (Formerly E-Journal of Chemistry), 8(4), 1614-1619, 2011.	<a href="https://doi.org/10.1155/2011/473646">https://doi.org/10.1155/2011/473646</a>	ISSN: 0973-4945	Peer Reviewed I.F.-1.790	2	Yes
3	Synthesis and antimicrobial activity of N-maltosylated 1,3,5-thiadiazines, pg. no. 67-70	Indian Journal of Heterocyclic Chemistry, 22(1), 67-70, 2012.		ISSN: 0971-1627 (Print) e-ISSN: 2456-4311	Peer Reviewed I.F.- 0.11	1	Yes
4	Synthesis, characterization and biological evaluation of N-maltosylated 1,2,4-dithiazolidines, pg. no. 363-366	Indian Journal of Heterocyclic Chemistry, 22, 363-366, 2013.		ISSN: 0971-1627 (Print) e-ISSN: 2456-4311	Peer Reviewed I.F.- 0.11	1	Yes
5	Study of conductivity behavior of newly synthesized terpolymeric ligand and its polychelates with Mn(II), Fe(III), Co(II) metal ions, pg. no. 592-597	International Journal of Researches in Biosciences, Agriculture & Technology, 1(2), 592-597, 2014.		ISSN (online): 2347-517x	Peer Reviewed	2	No
6	Conversion of Plastic waste into fuel, pg. no. 1402-1405	International Journal for Scientific Research & Development ,4(5),1402-1405,2016.		ISSN (online): 2321-0613	Peer Reviewed I.F.- 4.936	3	No

7	Antimicrobial Activities of 3-aryl-4-S-benzyl-6-phenylimino-2-hepta-O-acetyl- $\beta$ -D-maltosylimino-2,3-dihydro-1,3,5-thiadiazines (hydrochloride), pg. no. 31-34	International Journal of Life Sciences, Special issue, A16; 31-34, March 2021		ISSN: 2320-964X (Online) ISSN: 2320-7817 (Print)	Peer Reviewed I.F.-6.713	0	Yes
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### Full papers in conference proceedings

Sr. No.	Title with Page No.	Details of Conference Publications	ISSN / ISBN No.	No. of Co-authors	Whether you are the main author
1	Synthesis of N-maltosylated thiadiazine (hydrochloride), pg. no. 94-97	International Conference on Chemistry for Mankind : Innovative Ideas in Life Sciences (ICCM-2011) sponsored by BRNS(DAE), DST, UGC and RSC jointly organized by R.T.M. Nagpur University, Nagpur, Institute of Science, Nagpur, S.F.S. College, Nagpur and Indian Society for Chemists and Biologists, Lucknow held at Nagpur during 9-11 Feb., 2011	-	1	Yes

### Research papers presented in conferences / seminars / workshops /conventions

Sr. No.	Title of the Paper Presented	Title of Conference/ Seminar	Organized by	Whether international / national / state / regional / college / or university
1	Facile synthesis and characterization of novel N-Maltosylated heterocycles	Second International Web Conference on Advanced Material Science and Nanotechnology (NANOMAT-2021)	Department of Physics, Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar, Dist. Amravati, Maharashtra, India from 23– 25 November, 2021	International
2	Microwave Assisted	National Conference on	Department of Physics and Mathematics, Shri	National

	Synthesis of Novel Carbohydrate Derivatives	Recent Advances in Physical and Mathematical Sciences (NCRAPMS-2020)	Shivaji College of Arts, Commerce and Science, Akola held on 18th January, 2020	
3	Synthesis and Antimicrobial Activity of Some New N-Maltosylated Thiosemicarbazones	National Conference on Innovative Research in Science and Technology (NCIRST-2019)	Shri Shivaji Science College, Amravati (M.S.) during 17-18 December, 2019	National
4	Microwave Assisted Synthesis of Benzothiazolyl Sugars Carbamides	National Conference on Recent Advances in Chemical Sciences held	Shri Shivaji College, Akola (M.S.) during 26-27 February, 2018.	National
5	Microwave induced synthesis of thiobiurets of N-glycosides	International Conference on Futuristic Materials and Emerging Trends in Forensic and Life Sciences (ICFM-2015).	Department of Chemistry, R. T. M. Nagpur University, Nagpur and Department of Forensic Science, Govt. Institute of Forensic Science, Nagpur (M.S.) during 5-7 February, 2015	International
6	Microwave induced improved synthesis of N-glycosyl isodithiobiurets	100 <sup>th</sup> Indian Science Congress	University of Calcutta, Kolkata (W.B.) during 3-7 January, 2013.	International
7	Comparative study of microwave induced and conventional synthesis of acetylated sugar isocyanates and related carbamides	49 <sup>th</sup> Annual Convention of Chemists – 2012	NITTTR, Bhopal (M.P.) during 11-15 December, 2012.	International
8	Synthesis of 4-aryl-5-hepta-O-acetyl- $\beta$ -D-maltosylimino-3-thio-1,2,4-dithiazolidines (hydrochloride)"	99 <sup>th</sup> Indian Science Congress	KIIT University, Bhubaneswar (Odisha) during 3-7 January, 2012.	International
9	Synthesis of 4-aryl-3,5-bis hepta-O-acetyl- $\beta$ -D-maltosylimino-	48 <sup>th</sup> Annual Convention of Chemists – 2011	University of Allahabad, Allahabad (U.P.) during 3-7 December, 2011.	International

	1,2,4-dithiazolidines (hydrochloride)			
10	Synthesis of N-maltosylated thiazidiazines (hydrochloride)	International Conference on Chemistry for Mankind (ICCM-2011) "Innovative Ideas of Life Sciences"	R.T.M. Nagpur University, Nagpur (M.S.) during 9-11 February, 2011.	International
11	Comparative study of microwave induced and conventional synthesis of acetylated sugar isothiocyanates and related thiocarbamides"	98 <sup>th</sup> Indian Science Congress.	SRM University, Chennai (T.N.) during 3-7 January, 2011	International
12	Dithiazolidines: Synthesis of some novel N-maltosylated heterocycles.	47 <sup>th</sup> Annual Convention of Chemists – 2010	Pt. Ravishankar Shukla Uni., Raipur (C.G.) during 23-27 December, 2010.	International
13	Synthesis of 3-hepta-O-acetyl-β-D-maltosylimino-4-aryl-5-phenylimino-1,2,4-dithiazolidines (hydrochlorides)	National Conference on Recent Trends in Chemical Research	Department of Chemistry, G. S. Gawande College, Umarched (M.S.) during 12-13 March, 2010.	National

### Conferences / seminars /workshops /conventions /webinars attended

Sr. No.	Title of Conference/ Seminar	Organized by	Whether international / national / state / regional / college / or university
1.	One Day National Seminar on National Education Policy-2020	Shri R. L. T. College of Science, Akola (M.S.) held on 3 <sup>rd</sup> Dec., 2021	National
2.	Second International Web Conference on Advanced Material Science and Nanotechnology (NANOMAT-2021)	Department of Physics, Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar, Dist. Amravati, Maharashtra, India held during 23– 25 Nov., 2021	International
3.	National Webinar entitled "Teacher's e-Kit: A Four Quadrant Approach for Development of OERs for Higher Education"	Guru Angad DevTeaching Learning Center, SGTB Khalsa College, University of Delhi under PMMMMNMTT	National

		of Ministry of Education held on 9 <sup>th</sup> Sep., 2021	
4.	Two-day International Conference on Environmental Issues–Global Warming: Reasons and Remedies'	Prerna College of Commerce, Nagpur, and Nabira Mahavidyalaya Katol, Nagpur (M.S.) held during 3-4 Sep., 2021	International
5.	National E-conference on Role of Nanotechnology for Sustainable Future	Department of Chemistry, Shri Shivaji Science and Arts College, Chikhli held on 31 <sup>st</sup> Aug., 2021	National
6.	State Level Webinar on Research Writing: A Valuable Tool	Department of Chemistry, RDIK and KD College, Badnera, Amravati in association with AUCTA held on 19 <sup>th</sup> Aug., 2021	State
7.	National Webinar on The importance of Data Visualizations	Guru Angad DevTeaching Learning Center, SGTB Khalsa College, University of Delhi under PMMMMNMTT of Ministry of Education held on 10 <sup>th</sup> Aug., 2021	National
8.	One Day State Level Webinar on Intellectual Property Rights (IPR)	Shri Shivaji Arts, Commerce and Science College, Akot in collaboration with IQAC held on 3 <sup>rd</sup> Aug. 2021.	State
9.	National Level Webinar on Heterogeneous Catalysis for Beginners	Shri R. R. Lahoti Science College, Morshi held on 3 <sup>rd</sup> Aug. 2021.	National
10.	One Day Workshop on Performance Based Appraisal System (PBAS)	IQAC, Shri Shivaji College of Arts, Commerce and Science, Akola held on 31 <sup>st</sup> July, 2021.	Regional
11.	National Level Webinar on Recent Advances in Chemistry (NWRAC-2021)	Department of Chemistry & IQAC, Govt. G.N.A. P.G. College, Bhatapara (C.G.) held on 26 <sup>th</sup> July, 2021	National
12.	National Webinar on Recent Trends in Chemistry	Department of Chemistry & IQAC, Shri Shahaji Chhatrapati Mahavidyalaya, Kolhapur held on 1 <sup>st</sup> June, 2021	National
13.	Webinar on Catalysis for Sustainable Chemistry	Department of Chemistry, Shri Shivaji College of Arts, Commerce and Science, Akola held on 20th March, 2021.	State
14.	National E-Conference on Quality Education: Blackboard to Techboard in the post Covid scenario.	IQAC, Hislop College, Nagpur in collaboration with National Assessment and Accreditation Council (NAAC) Bangalore held on	National

		10th March, 2021	
15.	International webinar on Empowering Diversity in Science	Department of Chemistry, Kamla Nehru College, Nagpur and Association of Chemistry Teachers (ACT) in collaboration with International Union of Pure and Applied Chemistry (IUPAC) and Global Women Breakfast held on 9th March, 2021	International
16.	One Day Online National Workshop entitled ICT Tools for Chemistry Teachers.	Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT) of Ministry of Education held on 22nd February 2021	National
17.	One Day Online National Conference on Recent Trends In Science And Technology (RTST-2021)	Department of Environmental Science, S.D.M.B.S.A.C. , Shegaon, Dist. Buldhana and Department of Botany, I.A.C.S.C. Sillod Aurangabad held on 22nd February 2021	National
18.	Online One Day Workshop on Intellectual Property Rights (IPR)	IQAC and RAC, Shri Shivaji College of Arts, Commerce and Science, Akola in collaboration with IPR Cell (Sponsored by RGSTC, Mumbai), SGB Amravati University, Amravati held on 20 <sup>th</sup> Jan., 2021.	State
19.	International e-Conference on Innovative Research Trends in Life Science	Department of Life Sciences, Shri Shivaji College of Arts, Commerce and Science, Akola (M.S.) in collaboration with Indian Science Congress Association- Amravati Chapter (M.S.) held during 3-5 December, 2020.	International
20.	Online Short Term Course on Research Methodology	Shri R.L.T. College of Science, Akola in association with Ph.D. Cell Amravati and AUCTA and	National

		Microbiologists Society India held during 13-16 July, 2020.	
21.	Two-Day National Level e-Workshop on Understanding OBS Studio & Streamyard for E-Content Creation and Live Streaming	Faculty of Humanities and Science, Adayalampattu Phase II campus, Dr. M.G.R. Educational and Research Institute, Maduravoyal, Chennai held during 10-11 July, 2020.	National
22.	Two Week Online Faculty Development Program on Advanced Concept for Developing MOOCs	Teaching Learning Centre (TLC), Ramanujan College in association with Research Development and Services Cell, Ramanujan College, University of Delhi under MHRD-sponsored Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), held from 2-17 July, 2020.	National
23.	Online District Level NAAC Awareness Workshop	IQAC, Shri Shivaji College of Arts, Commerce and Science, Akola in collaboration with RUSA, Maharashtra & Joint Director of Higher Education held on 23rd June, 2020.	Regional
24.	Webinar on the Topic: Physical Literacy: Approach to Make Each Child Active for Life	Shri Shivaji College of Physical Education, Amravati and District Sports Office Amravati during 17-20 June, 2020.	National
25.	Online Faculty Induction Programme/ Orientation Programme	Teaching Learning Centre (TLC), Ramanujan College in association with Research Development and Services Cell, Ramanujan College, University of Delhi under MHRD-sponsored Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), held from 4th June, 2020 to 1 <sup>st</sup> July, 2020.	National
26.	National Level Webinar on ICT for effective teaching and learning	Shri R. R. Lahoti Science College, Morshi held on 2 <sup>nd</sup> June, 2020.	National
27.	Two-Day e-Faculty Development	Faculty of Humanities and	National



	Program on Virtual Teaching-Learning MOODLE the Efficient Way	Science, Adayalampattu Phase II campus, Dr. M.G.R. Educational and Research Institute , Maduravoyal, Chennai in association with The Institution of Engineers, Thiruvallur Local Centre held on 29-30 May, 2020.	
28.	Webinar on Innovative Teaching & Learning Through Digital Platforms	Shri Mathuradas Mohota College of Science, Shri Binzani City College and Shrimati Binzani Mahila Mahavidyalaya, Nagpur held from 29-30 May, 2020.	National
29.	National Level Faculty Development Workshop on E-Learning	Manjra Charitable Trust's, Smt. Sushiladevi Deshmukh Senior College, Latur, Internal Quality Assurance Cell in collaboration with EdFly Learn- Learning Management Solutions held on 27 <sup>th</sup> May, 2020.	National
30.	International Online Seminar & Workshop on "New Challenges and Opportunities in Physical Education, Recreation, Health & well being , Yoga, Psychology, Nutrition, Educational Technology, Environment, Sports Tourism, Sports Marketing, Library and information science, Woman Empowerment, Economic growth and Multimedia Development-2020"	Shri Shivaji College of Physical Education, Amravati (M.S.) Shivaji College of Physical Education, Amravati (M.S.) during 25-28 May, 2020.	International
31.	One Week Online Faculty Development Program on NAAC Assessment and Accreditation	IQAC, Shri Shivaji College, Parbhani under UGC Paramarsh Scheme during 21-26 May, 2020.	National
32.	International Online Workshop on "Nanomaterial Synthesis is Emerging Facet of the World"	Late Pushpadevi Patil Arts and Science College, Risod Dist. Washim (M.S.) held on 20 <sup>th</sup> May, 2020.	International
33.	One Week Virtual International Faculty Development Program on Advanced topics in Chemical Sciences	P.G. Department of Chemistry, Nallamuthu Gounder Mahalingam College, Pollachi, Dist. Coimbatatur (T.N.) during 15-21 May, 2020.	International

34.	EdoTalk Webinar on Effects of Covid-19 on Academics	Edoflip held on 15 <sup>th</sup> April, 2020	National
35.	National Conference on Multidisciplinary Research in Science and Technology (NCMRST-2020)	Shri R. L. T. College of Science, Akola (M.S.) held on 24 <sup>th</sup> January, 2020.	National
36.	National Conference on Recent Advances in Physical and Mathematical Sciences (NCRAPMS-2020)	Shri Shivaji College, Akola (M.S.) on 18 <sup>th</sup> January, 2020	National
37.	National Conference on Innovative Research in Science and Technology (NCIRST-2019)	Shri Shivaji Science College, Amravati (M.S.) during 17-18 December, 2019.	National
38.	One Day Regional Workshop on Orientation of Participating Institutes to initiate works in adopted villages clusters (Unnat Bharat Abhiyan 2.0)	SGB Amravati University, Amravati (M.S.) held on 16 <sup>th</sup> March, 2019.	Regional
39.	One Day Workshop under the aegis of Pandit Madan Mohan Malaviya National Mission for Teachers and Teaching (PMMMNTT) on Moodle Learning Management System	Indian Institute of Technology, Bombay held at Siddhivinayak Technical Campus, Shegaon (M.S.) on 15 <sup>th</sup> March, 2019.	Regional
40.	One Day State Level Seminar on Unnat Bharat Abhiyan	SGBAU Shikshan Manch, Dist. Buldana and Model Degree College, Buldana held at Model Degree College, Buldana (M.S.) on 11 <sup>th</sup> March, 2019.	State
41.	Regional Workshop for Activities Planning under Unnat Bharat Abhiyan (UBA) by Participating Institutes (PIs) for West Zone (Maharashtra)	Indian Institute of Technology, Bombay held on 28 <sup>th</sup> July, 2018.	Regional
42.	Online course ET701x: Elements of Learner-Centric MOOC's	Indian Institute of Technology, Bombay during 3-23 May, 2018.	National
43.	Orientation workshop of Unnat Bharat Abhiyan (UBA)	AICTE, New Delhi held on 25 <sup>th</sup> April, 2018.	National
44.	National Conference on Recent Advances in Chemical Sciences	Shri Shivaji College, Akola (M.S.) during 26-27 February, 2018.	National
45.	Online course SKANI101xF: Basic 3D Animation using Blender	Indian Institute of Technology, Bombay during 5 <sup>th</sup> Sept.-17 <sup>th</sup> December, 2017.	National
46.	AICTE approved Faculty Development Programme (FDP101x) under the aegis of Pandit Madan Mohan Malaviya National Mission for Teachers	Indian Institute of Technology, Bombay held at Siddhivinayak Technical Campus, SERT, Shegaon (M.S.) during 3 <sup>rd</sup> August –	National

	and Teaching (PMMMNMTT) on "Foundation Program in ICT for Education"	7 <sup>th</sup> September, 2017.	
47.	National Conference on Renewable Energy Resources and its Applications (RERA-2016)	College of Engineering and Technology, Akola (M.S.) held on 2 <sup>nd</sup> April, 2016.	National
48.	International Conference on Futuristic Materials and Emerging Trends in Forensic and Life Sciences (ICFM-2015)	Department of Chemistry, R. T. M. Nagpur University, Nagpur and Department of Forensic Science, Govt. Institute of Forensic Science, Nagpur (M.S.) during 5-7 February, 2015.	International
49.	National Conference on Recent Advances in Polymer Science and Technology	L.I.T. College, Nagpur (M.S.) during 23-24 Jan., 2015.	National
50.	International Satellite Conference on Environmental Global Concern	Institute of Science, Nagpur (M.S.) on 28 <sup>th</sup> March, 2014.	International
51.	International Conference on Applications of Advanced Materials for Sustainable Development	Dr. Ambedkar College, Nagpur (M.S.) during 17-18 January, 2014.	International
52.	100 <sup>th</sup> Indian Science Congress	University of Calcutta, Kolkata (W.B.) during 3-7 January, 2013.	International
53.	49 <sup>th</sup> Annual Convention of Chemists- 2012	National Institute of Technical Teachers Training and Research (NITTTR), Bhopal (M.P.) during 11-15 December, 2012.	International
54.	National Conference on Innovative Research Trends in Biological Science	Shri Shivaji College, Akola (M.S.) during 8-9 September, 2012.	National
55.	99 <sup>th</sup> Indian Science Congress	KIIT University, Bhubaneswar (Odisha) during 3-7 January, 2012.	International
56.	48 <sup>th</sup> Annual Convention of Chemists- 2011	University of Allahabad, Allahabad (U.P.) during 3-7 December, 2011.	International
57.	A motivational soft skill development workshop	Shri Shivaji College, Akola (M.S.) held on 20 <sup>th</sup> February, 2011.	College
58.	International Conference on Chemistry for Mankind (ICCM-2011) "Innovative Ideas of Life Sciences"	R.T.M. Nagpur University, Nagpur (M.S.) during 9-11 February, 2011.	International
59.	98 <sup>th</sup> Indian Science Congress.	SRM University, Chennai (T.N.) during 3-7 January, 2011	International
60.	47 <sup>th</sup> Annual Convention of Chemists - 2010	Pt. Ravishankar Shukla University, Raipur (C.G.) during 23-27 December, 2010.	International

61.	Comprehensive certificate programme on Scope and Potential in Pharmaceutical Industries for Science Students	Shri Shivaji College of Arts, Commerce and Science, Akola (M.S.) held on 17 <sup>th</sup> September, 2010.	College
62.	National Conference on Recent Trends in Chemical Research	G. S. Gawande College, Umardhed (M.S.) during 12-13 March, 2010.	National
63.	National Conference on Advances in Material Research	S.K. College, Akola (M.S.) during 26-27 February, 2010.	National
64.	National Conference on Biotechnology for Better Tomorrow	Shri Shivaji College, Akola (M.S.) during 6-7 February, 2010.	National
65.	97 <sup>th</sup> Indian Science Congress	Kerala University, Thiruvananthapuram (Kerala) during 3-7 January, 2010.	International
66.	National Seminar on Current Trends in Chemical Science Research	Shri Shivaji College, Akola (M.S.) held on 28 <sup>th</sup> March, 2008.	National

### Fellowships and Awards

Fellowship/ Award	Award conferring Organization	Event Organized by
Indian Chemical Society Award for Best Poster Paper Presentation	Indian Chemical Society, Kolkata.	49th Annual Convention of Chemists organized by Indian Chemical Society, Kolkata held at National Institute of Technical Teachers Training and Research (NITTTR), Bhopal (M.P.) during 12-15 December, 2012.
UGC Major Research Project Fellowship	University Grant Commission, New Delhi.	Major Research Project sponsored by UGC, New Delhi entitled "Application of Microwave in Carbohydrate Chemistry: Synthetic Studies of Sugar Isothiocyanates and Isocyanates under Microwave Irradiation" under supervision of Dr. S. P. Deshmukh, Principal Investigator and Dr. G. V. Korpe, Co-investigator, Department of Chemistry, Shri Shivaji College of Arts, Commerce and Science, Akola (M.S.) during 2010-2013. (F. No. 38-208/2009 (SR) dated 24/12/2009).

**Dr. A. V. Yadgire**  
**(Assistant Professor)**