

## Faculty Profile



### General information

Name (in Block Letters) : Dr. ANUJA MANIKRAO MOPARI  
Qualification : M.Sc.,B.Ed., SET, NET., Ph.D.  
Department : Chemistry  
Current Designation : Assistant Professor  
Date of Joining : 28/11/1989  
Name of Institution : Shri Shivaji Science College,Amravati  
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### Academic Qualification

Sr.No.	Degree	Name of University/Board	Year	Divisio
1	Ph.D.	SGBAU,Amravati	2024	
2	NET	CSIR DELHI	2016	
3.	SET	Savitribai Phule Pune University	2016	
4	B.Ed.	RTM Nagpur University	2014	I
5	M.Sc.	SGBAU,Amravati	2012	I
6	B.Sc.	SGBAU,Amravati	2010	I

### Teaching and Research Experience

Teaching Experience	Experience in Years
Teaching Experience at Degree Level	07 yrs.
Teaching Experience at Post-Graduate Level	07 yrs.
Research Experience	11 yrs.

### Membership of professional bodies

- 1 The Indian Science Congress Association, Kolkata
- 2 Member of Amravati University Chemistry Teachers Association, Amravati

**Research papers published in journals:**

S. No	Title of Research Paper	Name of the Journal	Vol. No./ ISSN/ISBN No./ Page No.	Year	Whether peer Reviewed if any	Impact Factor
1	Synthesis, Characterization and Biological Evaluation of 1-hepta-O-benzoyl- $\beta$ -D-Maltosyl-3- substituted benzothiazolyl carbamides	Int. J. Cur. Eng & Sci. Res	6,1016-1020	2019	-	-
2.	Protective measures on Novel Covid-19 with its Chemistry	SCHE-DC19-LPIW	ISBN:978- 93-5407-9207, Vol.I	2020		
3	Low-cost Fabrication of Zn-doped MnFe <sub>2</sub> O <sub>4</sub> (Mn <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> ) Film for H <sub>2</sub> S Gas Sensing Applications	Macromolecular Symposia	400,2100147	2021	Refereed	1.2
4	Investigation of Super-Capacitive Properties of Nanocrystalline Copper-Zinc (Cu <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> ) Ferrite Nanoparticles	Macromolecular Symposia	400,2100162	2021	Refereed	1.2
5	Synthesis, Characterization and Hyperthermic Evaluation of PEGylated Superparamagnetic MnFe <sub>2</sub> O <sub>4</sub> Ferrite Nanoparticles for Cancer Therapeutics	Macromolecular Symposia	400,2100130	2021	Refereed	1.2
6	Synthesis and Structural Studies of N-Maltosylated Aryl Thiobiurets	Asian Journal of Chemistry	Vol. 34, No. 5, 1220-1224	2022	peer reviewed	0.5
7	Exploring the electrochemical performance of nickel-zinc ferrite nanoparticles for supercapacitor applications	J Mater Sci: Mater Electron	35(8), 1-12-09557-4522	2024	peer reviewed	2.8
8	<b>Surface-functionalized nanoscale nickel-ferrites (NiFe<sub>2</sub>O<sub>4</sub>) nanoparticles as heating agents for cancer theranostics</b>	<b>Inorganic Chemistry Communications</b>	Volume 182, Part 3, December 2025, 115569	2025	Peer reviewed and scopus	5.4

**Patent Published/Granted:**

Sr. No.	Title of Patents	Award conferring Organization	National/ International	Patent Number
1.	Deep learning based techniques to analyze the process of Preparing Chemically modified regenerated Cellulose and fibrin biocomposite incorporated with silver nanoparticles (16/09/2022)	Indian patent office Govt. of India	National	202241049074 A
2.	Designing a smart bandage filled with silver nano particles to heal the wounds faster(19/08/2022)	Indian patent office Govt. of India	National	202241049247
3.	Medical Instruments, Instruments and tools for laboratory use: Drug Delivery Device Grant date: 3/10/23	UK Design	International	6314881
4	Magnetic nanoferrite-based electrode for enhanced supercapacitor performance Grant date :13 March 2024	UK Design	International	350170
5.	Nano coating of super capacitor on car to support recharging of ev vehicles on the run efficiently Grant date : 27/05/2022	The Patent office, Govt. of India	National	02241026584
6.	Design of Solar Thermal Power Integration Systems to Increase the Efficiency of Renewable Energy Resources. 2022	The Patent office, Govt. of India	National	202241025379

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

Sr. No.	Title of Paper Presented	Title of Conference/ Seminar	Organized by	Whether international / national / state / regional/ college or university
1.	From Dhatu Vigyan to Modern Material Science	National conference on Indian Knowledge System (IKS) on 6 <sup>th</sup> February,2026	J.D.Patil Sangludkar Mahavidyalaya, Daryapur	National
2.	Synthesis, Characterization and biological evaluation of some per benzoylated	National Conference on Recent	Vidyabharati Mahavidyalaya, Amravati	National

	maltosyl N-carbamide	Advancements in Science and Technology on 10th February, 2024.		
3.	PEGylated MnFe <sub>2</sub> O <sub>4</sub> Nanoparticles optimizing hyperthermic performance for cancer therapy	India International Science festival 2024 held at Guwahati, Assam on 30 Nov. to 3 Dec. 2024	Guwahati, Assam	International
4.	Synthesis and antimicrobial studies of N-maltosylated-S- benzyl isothiobiurates	UGC Sponsored on Recent advancements in Science and technology(10/02/2024)	Vidyabharati Mahavidyalaya Amravati	National
5.	Synthesis of N-maltosylated Hepta-O-benzoyl-β-D maltosyl isocyanate compound using magnetically controlled MnFe <sub>2</sub> O <sub>4</sub> nanocatalyst	Six International conference on Advances in Material Science	Post Graduate Department of Physics and IQAC of Raje ramrao Mahavidyalaya, Jath-416404, Dist-Sangli, Maharashtra,	International
6.	Synthesis and structural studies of some new per Benzoylated Maltosyl N-Carbamides	International Web Conference on Advanced Materials Science & Nanotechnology (NANOMAT-2020) on 20 <sup>th</sup> 21 <sup>st</sup> June 2020	Department of physics, Vinayak Vidnyan Mahavidhyalaya, Nandgaon Khandeshwar, , Amravati	International
7.	synthesis and Antimicrobial activity of some novel N-Maltosyl carbamates	National Conference on Innovative Research in Science & Technology	Shri Shivaji Science College, Amravati 17 & 18 December, 2019	National
8.	synthesis & biological screening of Some Maltosylated-1,2,4-Thiadiazolidines(hydrochloride)	National Conference on New Dimensions in Chemistry & Chemistry Education	Sant Gadge Baba Amravati University, Amravati December 5-7, 2019.	National

9.	Synthesis Characterization and Biological Evaluation of 1-hepta- <i>o</i> -benzoyl- $\beta$ -D-maltosyl-3-substituted benzothiazolyl carbamides	National Conference on Multidisciplinary Research and Technology	Shri. R.L.T. College of science Akola. 24 <sup>th</sup> January 2020.	National
10.	Synthesis and Biological Evaluation of 1-hepta- <i>O</i> -benzoyl- $\beta$ -D- maltosyl-3-substituted Benzothiazolyl carbamides	International Conference on Malfunctional Advanced Materials	Kamla Nehru Mahavidyala Nagpur during 5-7 <sup>th</sup> Oct.2028	International
11.	Synthesis and structural studies of some new <i>N</i> -Maltosylated isothiobiurates	National Conference on Recent Advances in Chemical Sciences	Shri Shivaji College, Akola during 26 <sup>th</sup> and 27 <sup>th</sup> Feb.2018	National
12.	Synthesis and characterization OF 1-hepta- <i>O</i> -benzoyl- $\beta$ -D-maltosyl-3-substituted benzothiazolyl carbamides	National conference of Indian Council of Chemist	Haribhau Desai College, Pune during 22 <sup>nd</sup> -24 <sup>th</sup> December 2016.	National
13.	Synthesis and Structural studies of some new per benzoylated maltosyl <i>N</i> -carbamides”	103 <sup>rd</sup> Indian Science Congress	University of Mysore Mysuru during 03 <sup>rd</sup> to 07 <sup>th</sup> January 2016.	International

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

Sr. No	Title of Conference/ Seminar	Organized by	Whether international / national
1.	One Day Workshop on Performance Based Appraisal System (PBAS)	Internal Quality Assurance Cell (IQAC) of Shri Shivaji College of Arts, Commerce & Science, Akola	
2.	Webinar on Heterogeneous Catalysis for Beginners	Department of Chemistry, Shri R.R.Lahoti Science College, Morshi on 3 August 2021	National

3.	National E-Conference On 'Quality Education: Blackboard to Techboard in the Post COVID Scenario'	Internal Quality Assurance Cell, Hislop College, Nagpur in collaboration with National Assessment and Accreditation Council (NAAC), Bangalore. 10th March, 2021	National
4.	Internal webinar on Innovations in Science & Technology IIWIST-2021	Department of Chemistry, Smt. Narsamma Arts, Commerce and Science College, Amravati and ACT, C/o Homi Bhabha Centre for Science Education (TIFR) Mumbai on 27 Feb-2021	International
5.	Induction Training Program for Faculty in Universities/College/Institutes of Higher Education	TLC Ramanujan College, Under PMMMMNTT(MHRD) On 4 June to 1 July 2020	
6.	Online workshop on Intellectual Property Rights(IPR)	Organized by IQAC and RAC in Collaboration with IPR Cell SGBAU, Amravati on 20 <sup>th</sup> January 2021	
7.	Online Short term course on Research & Methodology	Shri RLT College of science Akola on 13 <sup>th</sup> to 16 <sup>th</sup> July 2020	
8.	A two Day National Level E-workshop on Understanding OBS Studio Stream yard for E-Content Creation and Live Streaming	Faculty of Humanities & Science, Adayalampatta Phase-II Campus on 10 <sup>th</sup> July & 11 <sup>th</sup> July 2020	National
9.	e-Faculty Development Program on Virtual Teaching-Learning Moodle The Efficient Way	Dr. MGR Educational and Research Institute, Adaylampattu Phase 2 campus, Chennai 29 <sup>th</sup> -30 <sup>th</sup> May 2020	
10.	National Online Workshop on Chemistry Practical's	Department of Chemistry, Shri RLT College of Science, AKOLA 31 May 2020	National
11.	National Web Conference on "Green Catalysis and Material Chemistry"	Anandibai Pradhan Science College Nagothane, Raigad 27 <sup>th</sup> May 2020	National

12.	One Week Faculty Development Program on “Jmol Application”	Department of Chemistry, Bajaj College of Science, Wardha in Association with Spoken Tutorial Project, IIT Mumbai, Under PMMMMNMTT 8 <sup>th</sup> May 2020 to 14 <sup>th</sup> May 2020	
13.	Online One Week FDP on “NAAC Assessment and Accreditation”	IQAC, Shri Shivaji College, Parbhani (Under UGC Paramarsh) 21-26 <sup>th</sup> May 2020	
14.	National Online Seminar on “Research writing and Enhancing Visibility”	Ramnarain Ruia Autonomous College, Mumbai, 21 <sup>st</sup> May 2020	National
15.	International Online workshop on “Nanomaterial Synthesis is Emerging Facet of the World”	Late Pushpadevi Patil Arts and Science College, Risod, 20 <sup>TH</sup> May	International
16.	One week Virtual International Faculty Development Programme on “Advanced Topics on Chemical Sciences”.	Nallamuthu Gaouder Mahalingam College Pollachi, Tamil Nadu, India, 15 <sup>th</sup> May to 21 May 2020	International
17	International E-Conference on “Strategies & Challenges in Higher Education during COVID-19 Lockdown Period in India with reference to the World”	Government Vidarbha Institute of Science and Humanities Amravati, 15 <sup>th</sup> -17 <sup>th</sup> May 2020	International
18.	National Webinar entitled Research Publication Skill, Ethics and Misconducts.	Kumarguru College of Technology, Department of Chemistry (S & H), Coimbatore, 15 <sup>th</sup> May 2020	National
19.	National Conference on Biotechnology for Better Tomorrow (NCBBT- 2010)	Sponsored by UGC, DST, CSIR and Life Science Department of Shri Shivaji Science College, Akola.	National
20.	workshop on “Spectroscopic & Stereospecific Perspectives of Chemistry”	Shri R.L.T. College of Science Akola.	

21.	National Seminar on Spectroscopic Techniques in Structural Elucidation	Govt. College of Pharmacy, Amravati. Student Welfare SGBAU, Amravati during 18 <sup>th</sup> and 19 <sup>th</sup> Mar 2012	National
22.	Workshop on Application of Information Technology for Life Sciences	(AITLS- 2010) organized by Dept. of Microbiology and Zoology, U.G.C.'S XI <sup>th</sup> Plan in Shankarlal Khandelwal College, Akola during 30 <sup>th</sup> Jan 2010.	

Sr. No.	Title of the book	Title of the chapters published (NA If not applicable)	National / Inter-national	Year of publication	ISBN	Name of the publisher
1	Material science for future Application	Emerging Trends and future prospects in magnetic nanomaterials research	National	2025	(ISBN: 334-361)	CRC Press
2.	e-conference on covid -19,SCHE-DC19-LPIW 2020, Vol. I.	Protective measures on Novel COVID-19 with its Chemistry	International	2020-21	(ISBN: 978-93-5407-920-7)	

#### Any other information

Sr no	Training Programme	Organized by
1	Physical Literacy Training Program Education (Advance)	Shri Shivaji College of Physical Education, Amravati
2	Invited talk (guest lecture) on VSEPR Theory to B.Sc.II Sem III Students on 12/02/2021 at J. D. Patil Sangludkar Mahavidhyalaya, Daryapur	J. D. Patil Sangludkar Mahavidhyalaya, Daryapur
3	Industrial Study tour of M.Sc.II Chemistry students at Gujrat	Dr.S.G.Badane,Dr.S.S.Kadu, Ms.A.M.Mopari, Mr.N.A.Deshmukh

Dr. ANUJA M.MOPARI  
Assistant Professor