

Faculty Profile

Dr. Poonam T. Agrawal

Associate Professor & Head
Department of Chemistry,
Shri R.L.T.College of Science Akola

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1	Name	DR. Poonam T. Agrawal
2	Designation	Associate Professor & Head
3	Department	Chemistry
4	Educational Qualification	M.Sc. Chemistry., M.Phil., Ph.D., M.Ed.
5	Specialization	Organic Chemistry
6	Area of Research	Nanotechnology, Drug Designing
7	Date of Birth	25 th April 1975
8	Date of joining	29 th June 2009
9	Teaching Experience	UG- 14 years PG-14 years
10	Email. Address	Poonamagrawal2575@rediffmail.com

1. Awards and Achievement:

Sr. No	Significant Contributions
1.	Awarded by the Research Award of Cash 30000/- by the Berar General Education Society. Akola for good research work.
2.	Felicitated by the, 'The Berar General Education Society's Our parent institution for devotional work in college activity. (Certificate is attached)
3.	Patent for Alcohol Free Hand sanitizer is accepted by the Patent office of Government of India(certificate is attached)
4	Proud to write here Worked as A NAAC Coordinator for Two times and college has been awarded with A Grade by NAAC with CGPA 3,12 from 2.59.

5.	Working as a Advisory member of IQAC of Shri R.L.T. College of Science and B.Ed. College of Akola .
6.	To make the women self-employed many workshops has been organized in which girls and women have been trained for making various herbal products. Like paper Bag Making, Preparation of Blank paper Bank, Perfume making Workshop, Candle making workshop, Agarbatti making, Air freshener making, Mosquito repellent making, Skin glowing cream. Pain balm, pain relief oil, floor disinfectant and many more at different villages of nearby area, and for college girls and at Sophia women's college Mumbai.
7.	Publication of First University Syllabus Book Containing Video Lectures of All the Topic mention in the Book with their QR Code. 
8.	Guided more than 30 students for M.Sc. Dissertation.
9.	Being Science Teacher, to percolate the scientific temper among the students, guided not only students of school and college but also to the school Teacher for science exhibition, every year participated as Jury member or Resource person in Taluka, District and State level science exhibition. (Various certificates is attached under extension activity.)
10.	Worked as a Resource person, Chairman, jury member of various science exhibition, conferences and workshops.
10.	Coordinator of Outreach Programme of IISR.

2. Involvement in various NAAC Accreditation of College

S.NO.	Activity
1.	Worked as IQAC coordinator
2.	Worked as NAAC coordinator
3.	College Got 'A 'Grade with C.G.P.A. 3.12 under my NAAC coordinatrship, which is 2.59 earlier.
4.	Working as Advisory member of IQAC of Shri R.L.T.College of Science, Akola
5	Working as Advisory member of IQAC of Govt. B.Ed. College, Akola
6.	Attended various conferences and seminar of NAAC at various places
7.	Delivered Guest lectures and cooperated various colleges for NAAC Process of various colleges.
8.	Founder and Editor Member of IQAC Newsletter

3. Role in Restructuring of Syllabus

S.NO.	Activity
1.	Actively Participated in the Regional workshop for Redesigning of Chemistry curriculum organized by Amravati University Chemistry Teacher Association.
2.	Actively participated in workshop of Restructured of chemistry syllabus; challenges and opportunities organized by AUCTA at R.D.K.I. College Badnera
3	Actively participated in deliberation of 16 th Annual convention and one day regional seminar on Role of Chemistry Teacher in Rural Industrialization at DR. R.G. Rathod College Murtizapur.
4	Actively participate in National Education Policy D-Block Meeting of Akola Taluka at Shri Shivaji college Akola.28 cot., 2015
5	Actively participated in university level credit, Grade and semester introduced BY S.G.B. Amravati University and Maharashtra Public University Act 2016.at shri Shivaji college Akola on July 22, 2017
6.	Actively participated in spectroscopic and stereospecific aspects in chemistry organized at shri R.L.T. College Akola
7	Organized Workshop on National Education Policy for Akola District
8	As a NAAC coordinator collected feedback from Parents, Teachers, industrialists on the syllabus and forwarded it to The BOS Chairman.
9	Actively Participated in the deliberation of 20 th Annual convention and seminar on Research methodology in current context at shri Shivaji college Amravati, on 2 dec. 2018
10	Actively attended in the deliberation of 21 st annual convention and seminar of Recent trends in Chemistry Research' organized at S.S.S.K.R. College Karanja on 8th Dec.2019.

4. Departmental Development Activity

Organized various curricular Activities

S.NO.	Activity
1.	Organized Guest Lectures of Eminent Personalities
2.	Organized Industrial tour and field Visit
3.	Organized Quiz, Seminar competition, Poster competition.
4.	Organized Aptitude Test
5.	Teacher – Guardian Scheme

6.	Slow Fast Learner Scheme
7.	Being a Head of the Department felicitate staff members for their academic achievement
8.	Guided more than thirty students for M.Sc. Dissertation projects.

- Every Year student of our department secured position is Merit List of S.G.B.A.U.
- First and Total Four Merits of S.G.B.A.U. merit list is of Our Department. 2019-20.

Organized various Co-curricular Activities

S.NO.	Activity
1.	Organized various workshop, conferences
2.	Organized various Hands-On workshop
3.	Organized skill development Programme
4.	Motivated students to participate in various Research Activity like Avishkar
5.	As a Head of department motivated staff members to guide students for Research activity
6.	Organized Skill Based Activities like, Aggarbati making workshop, Soap and perfume making workshop, Herbal Product like air freshener, mosquito repellent, skin glowing cream preparation, and preparation of floor disinfectant. Etc.
7.	Organized debate competition on various issues.
8.	

- Every Year Students of our department got Color coat in Avishkar.
- Students of our department secured position in various university level seminar competition.
- One of our students got summer internship of IISR.

5. Extension Activities:


Sr. No.	Responsibility	Nature of Work
1.	Resource Person	Guided students in Block level Indian student Meet on 28 th August 2018 at Sushilatai Deshmukh Vidyalaya & JR, College Akola.
2.	Jury	Work as Jury member in 44 rd Akola District Science Exhibition on 18 th December 2018 at Suffan English High School Akola.
3.	Jury	Work as a Jury member for Akola District Interschool Science Toys Making Competition organized as Bat Shivaji School Akola on 23 rd February 2019.
4	Resource Person	Guidance to school students for Homi Baba Examination and to Vidnyan Manch students on Science Day.
5	Resource Person	Work as a resource person for Rashtriya Pradnya Pariksha (NTSE) Level-II at Shri R.L.T.college of Science, Akola on 22-25May 2019.

6	Resource Person	Work as Resource person at Shankarlal Khandelwal College Akola on Science Day 28 th Feb 2020.
7	Jury	Work as Jury member in District Level Inspire Award Science Exhibition organize by Science Club at Blue Chip Convent Karanja Lad on 31 st Jan 2020
8	Jury	Work as a Jury member for Akola District Interschool Science Competition organized by Vidynan Manch at Samarth public school, Akola on 12.12.2019
9	Organizing Secretary	Organized Online Short Term Course on Research Methodology' in Collaboration with Ph.D. Cell S.G.B.Amravati university Amravati, AUCTA and MIS. 13 th July to 16 th July 2020.
10	Organizing Secretary	Organize one month Add-On-course part time on Digital Skill Development for Student-Teacher of B,Ed. College of Akola and Yawatmal.
11	Life Member of AUCTA	Actively Participated in all the activities carried out by Association. Like seminar, conference and other curricular and co-curricular activity.
12	Life member of Indian chemical Society	Actively Participated in all the activities carried out by Association. Like seminar, conference and other curricular and co-curricular activity.
13	Life member of Indian Science congress Association	Actively Participated in all the activities carried out by Association. Like seminar, conference and other curricular and co-curricular activity.
14	Life member of Indian Council of Chemists	Actively Participated in all the activities carried out by Association. Like seminar, conference and other curricular and co-curricular activity.
15	Resource Person	Delivered the guest lectures on Nanoparticles in District level science Exhibition held at Shri R.L,T. College of Science, Akola .
16	Resource Person	Delivered guest lecture on Basic Organic Chemistry at New English High School Akola in District level Vidnyan Melawa.

6. Use of Innovative Teaching Learning Methodology:

Sr.No.	Activity
1.	Organization of chemistry Quiz for B.Sc. students
2.	Use of ICT in T/L process by - 1. Power point presentations using computer and LCD projectors 2. OHP-Transparencies 3. Structure drawing by CHEM-DRAW and ISIS-DRAW software
3.	Developing and imparting Remedial/Bridge courses by - 1. Extra classes for slow learners 2. Provided extra study material, books to fast learner.
4.	Developing and imparting soft skills/communication skills/personality development through - 1. Seminars of students 2. Paper presentations by students 3. Science Exhibition 4. motivated students to participate in Avishkar Research festival 5. Group Discussion 6. Elocution competition 7. Rangoli Competition on special themes.
5.	Organization and conduction of popularization programmes/training courses in computer assisted teaching - 1. Study Tour 2. Industrial Visit

Apart from this regular offline activity following online innovative teaching practices has been also implemented

Sr. No.	Innovative Pedagogy/ New Curricula/ course/ MOOCs/ E-Content	Name of Activity	Proof Document
1.	E-Book	Preparation of Notes Containg QR Code of All The Video Lectures of the topic mention in the text Book	
2.	Development of E-content	Publication of Online Innovation Magazine	http://rtsc.edu.in/e-pathshala/
3.	Development of E-content	Online Faculty Development Programme	Approval Certificate of Principal
4.	Development of E-content	Video Lecture	Http://youtu.be/S53unsNsexA Date: 14 th April 2020 http://youtu.be/xSbblmn16xo Date: 14 th April 2020

			http://youtu.be/SLgZXieVRoE Date 7th May 2020 date : 21 st May 2020
5.	Development of E-Content	Online workshop on Chemistry Practical	http://forms.gleS7A1wvv2RihAFn6D7 date: 17 th may 2020
6.	Development of E-content	Online Short Term Course on Research Methodology	College website
7	E-Resources for Teaching - Learning	Use of Google Class, Google Test, google meet and zoom meet	http://rtsc.edu.in/e-pathshala/ All the online teaching data is uploaded on college website

7. Books Published:

S N	Title of Book, Publisher, Year, Page Nos. and Author:	Local / National / International Publisher	ISBN No.
1.	Chemistry Practical Book of B.Sc, I Year.	National	978-93-8815-1-00-9
2	A Text Book of Organic Chemistry for B.Sc. I year (Semester-I)	National	978-93-5457-896-0

8. Research Project:

S N	Title	Agency	Period	Grant (Rs. In Lakhs)
1.	Synthesis of N-lactosylated 1,2,4-dithiazolidine and their antimicrobial activity.	UGC-New Delhi	2-years Feb-2013 To Feb – 2015	1,35000/-

9. Research Guidance:

Degree	Number Enrolled	Thesis Submitted	Degree Awards
M.Sc. Project	32	32	32
M.Phil.	--	--	--
Ph.D.	03	00	00

10. Research Publications:

S.N.	Title with Page Nos.	Name of Journal	National/ International/ State /Local
1	Antibacterial and antifungal activities of some Novel N-lactosides Vol.7(2), 775-784, 2009	International Journal of Chemical Sciences Udaipur	International
2	Synthesis of new N-lactosylatedisodithiobiurets and	Journal of Indian Chemical Society, Kolkatta	International

	dithiazolidines (hydrobromides) Vol.86,645-648, 2009		
3	Synthesis of 2-phenylimino-3-aryl-4-S-benzyl -6-hepta-O-benzyoyl- β -D-lactosylimino-2,3-dihydro-1,3,5-thiadiazine hydrochlorides. Vol.87,1259-1262,2010	Journal of Indian Chemical Society, Kolkata	International
4	Synthesis and antimicrobial activity of 1-hepta-O-benzoyl - β -D-lactosyl-5-aryl-2-S-benzyl-1,2,4-isodithiobiurets. Vol.87,1395-1398, 2010	Journal of Indian Chemical Society, Kolkatta	International
5	Synthesis and antimicrobial activity of some new -1,2,4-dithiazolidine hydrochlorides, Vol. 8(2), 969-972, 2010.	International Journal of chemical Sciences. Udaipur	International
6	Synthesis of new N-lactosylatedthiocarbmatess, Vol. 8(4), 2413-2417, 2010.	International Journal of chemical Sciences. Udaipur	International
7	Synthesis of new N-lactosylated thiocarbamides. Vol. 8(4),2236-2240, 2010.	International Journal of chemical Sciences. Udaipur	International
8.	Synthesis and antimicrobial activity of some New lactosylated-1,2,4-dithiazolidine (hydrochlorides)	Journal of Indianchemical Society Kolkata	International
9	Isothiobiurets as an antibacterial and antifungal compounds, 10(2),2012, 889-894.	International Journal of chemical Sciences, Udaipur	International
10	Microwave; A new green synthesis technique 2(3) 2012, 206-207	Scientific review and chemical communications.	International
11	Synthesis of 3-substituted benzothiazolyl 1-phenyl amino methenamide, 5(2),145-147,2012	Rasayan J of Chemistry	International
12	Synthesis of new 1-hepta-O-benzoyl- β -D-lactosyl 3-aryl thiocarbamides. 2(3),2012.,157-160	J. Current chemical Pharma sci.	International

13	Synthesis of 1-hepta-O-benzoyl-- β -D-lactosyl 5substituted 2-S-benzyl 2-isothiobiurets.10(3),2012, 1719-1723	International Journal of chemical Sciences, Udaipur	International
14	Synthesis of 1-(4-aryl-3-arylimino-5-immino-1,2,4-thiadiazolidine) phenyl amino methanamide 10(3),2012,1459-1462	International Journal of chemical Sciences, Udaipur	International
15	3-substituted benzothiazolyl 1-phenyl amino methnaimde: as an antimicrobial compounds. 10(4),1913-1916,2012	International Journal of chemical Sciences, Udaipur	International
16	Increasing efficiency of solar cooker by using CO ₂ gas.Vol.4 Issue6, June 2013 Pg.no. 89-92	International Journal of Scientific and Engineering Research	International
17	Synthesis and Properties of 3-Substituted Benzothiazolyl 1-Phenyl Amino Methenamides with Cu(II) Complex Compound	International Journal of Chemical Sciences, Udaipur12(4) 2014. 1677-1680	International
18	Microwave Assisted Synthesis of Some New N-Lactosylated Thiocarbamates Vol 4, Jan-2015, 397-400.	International Journal of Chemical and Physical Sciences	International
19	Biological evaluation and optical Activity of Some 1-Arylthiocarbamides	International Journal of Chemical Sciences, Udaipur13(3) 2015. 1529-1534	International
20	Synthesis and Characterization and Antimicrobial activity of Lactosyloctabenzoate Nanoparticles. 5(2),241-244 (2016)	International Journal of Pure and Applied Research In Engineering and Technology.	International
21	Synthesis of some Novel organic N-lactosylated thiocarbamates Nanoparticles Pg.No. 55-57	International Journal of Research in bioscience, Agreiculture and Technology, special issue (2) volume –V, July 2017	International
22	A facile synthesis of some new N-lactosylated thiocarbamates naoparticles and comparative account of their antimicrobial activity. Pg. No. 315-318	International Journal of Pure and Applied Res, in Engg. And Technology, vol6(2),2017	International

23	Synthesis and characterization of hepta-O-benzoyl-beta -D – Maltosyl isothiocyanate Nanoparticles,	Aayushi International Interdisciplinary Research Journal.	International
24.	Microbial evaluation of nanoparticles of some lactosyl 5-aryl 2,4,dithiobiurets.Pg. No.	Research Journey	International
25.	Microbial evaluation of Ginger oil against dandruff. Pg.No. 268-270	Research Journey	International
26.	Synthesis and characterization of nanoparticles of 1-hepta –O-Benzoyl –β-D-lactosyl 5-aryl, 2,4-dithiobiurets. Pg. No. 1264-1266	International journal of current Engineering & Scientific Research. Vol. 6 issue -1 Jan 2019	International
27.	Comparative study of Antimicrobial activity of Lactosylatedformadimides bulk solution with its nanoparticles. 122-126	Journal of Emerging Technologies and Innovative Research Vol-06 Issue -06 June 2019	International
28	A facile Synthesis and characterization of lactosylatedformadimides 541-544	JETIR Volume7 Issue-2 Feb-2020	International
29	A Novel Synthesis and characterization of Nanoparticles of Maltosylformadimides Pf. No. 86-88.	AayushiInternational Interdisciplinary Research Journal special Issue-70	International
30	Determination of Sun Protection Factor of Ecofriendly formulated sunscreen Lotion. Pg. No. 127-128.	VIIRJ Special Issue May 2020	International
31	Nanoparticles of LactosylThiocarbamides: Synthesis and Characterization	VIIRJ Special Issue SRTSAPTCHET-2020	International
32	Synthesis and Characterization of MaltosylatedThiocarbamides and its derivatives,	VIIRJ Special Issue SRT SAPTCHET-2020	International

33	A Novel investigation of nanoparticles of Octa glucose acetate and their comparative study	VIIRJ Special Issue SRT SAPTCHE-2020	International
34	A systematic Investigation of nanoparticles synthesis of 1-hepta –O acetyl Beta –D-Glucosyl-3-aryl thiocarbamides pg.no. 36-41	Research Journey, International E-Research journal special issue (E) 2662021	International
35	Nanoparticles of Hepta-O-Benzoyl beta-D-Malotosyl 1- thicarmates:Synthesis and Characterization	Research Journey, International E Research journal special issue (E) 266, 2021	International
36	Synthesis and Characterization of Nanoparticles of beta-D-lactosylthiocarbamates.	Research Journey, International E Research journal special issue(E) 266, 2021	International

11. Invited Talk/Paper delivered in conferences/Seminars:

S N	Name of Paper	Title of Conference	Level	Organized by
1	Synthesis and antimicrobial activity of 1-hepta-O-benzoyl-β-D-lactosyl-5-aryl-2-S-benzyl-2,4-isodithiobiurets.	CSIR Sponsor National Conference on Recent Advances in Chemical Research,6-7 Feb, 2009, Hyderabad	National	Org. by Dept. of Chemistry Osmania university, Hyderabad.
2	Synthesis and antimicrobial activity of 3-hepta-O-benzoyl-β-D-lactosyl-4-aryl-5-phenylimino-1,2,4-dithiazolidines.	National conference on material and technology, Nagpur, 29-30 Dec, 2009	National	Dept. of Chemistry S.S.E.S Amts Science college , Nagpur
3	Antibacterial and Antifungal activities of N-	Nationl Conference on Biotechnology for better	National	UGC Sponsored Org. by Shri Shivaji College ,Akola

	lactosylated thiocarbamates.	tomorrow,6-7 th Feb,2010		
4	Synthesis of new N-lactosylated thiocarbamates	National Conference on Advances in material Research ,26-27 Feb,2010	National	U.G.C sponsored Conference by Shri ShnakarlaljiKhandelwaalMahavidyala, Akola
5	Studies in Spectrochemical analysis of lactosyl thiocarbamides and thiocarbamates	UGC Sponsor National Conference onDeveloping Frontiers of Physics , Astronomy and Space Sciences. 24-25 Sept, 2010, Akola	National	UGC Sponsored, Org. by Dept. of Mathematics Shri R.L.T. College of Science, Akola
6	Synthesis of 3-hepta-O-benzoyl- β -D-lactosyl-4-phenyl -5-aryylimino-1,2,4-dithiazolidines hydrochlorides.	International Conference on Chemistry for mankind: Innovative ideas in Life Sciences, 9-11 Feb, 2011	International	BRNS, DST, UGC, RSC and Sponsored Dept. of Chemistry R.T.M. University, Nagpur
7	Synthesis of 3-hepta-O-benzoyl- β -D-lactosyl-4-phenyl -5-aryylimino-1,2,4-dithiazolidineshydrochlorides.	Indian Council of Chemists , 30 th Annual Conference , 28-30 Dec, 2011	National	Org. by Dept. of Chemisry , Osmania University, Hyderabad
8	IR, NMR and Mass; Spectoscopic Analysis of Some Newly Synthesized 1,2,4-dithiazolidine Hydrochlorides	UGC Sponsored National Conference Recent Trends in Chemistry: Held at Lokmaya Tilak Mahavidyalaya, Wani.on 14 and 15 th Feb 2012	National	UGC Sponsored National Conference Recent Trends in Chemistry. Org by Lokmaya Tilak Mahavidyalaya, Wani.with AUCTA
9	Biological activites of 1,2,4-dithiazolidines	National conference on Innovative research trends in Biological Sciences 8-9 th Sept. 2012	National	UGC spons, Shri Shivaji college, Akola
10	A facile synthesis of 1-hepa-O-benzoyl β -D-	National conference on Nanomaterials at Nagpur-28 th Feb	National	UGC spons, National conf. on Nanomaterials at Shri Shivaji college, Nagpur

	lactosyl-O-aryl thiocarbamates			
11	Novel Synthesis of S-hepta-O-maltosyl-1-aryl isothiocarbamide.	Frontier Areas in Chemistry, 23-24 oct 2014	National	Shri Shivaji college of Science, Amravati.
12	Biological evaluation and optical activity of some 1-aryl isothiocarbamides	The Indian Science Congress held at University of Mumbai 3-7 Jan 2015	International	ISCA
13	Microwave Assisted Synthesis of Some New N-Lactosylated Thiocarbamates	National Conference on Sustainable Chemistry Frontiers and Challenges 30-31 Jan 2015	National	BrijlalBiyani Science College , Amravati
14	Biological activities of some Novel Substituted benzothiazoles methnamide Compounds	National Conference on Recent trends in Chemical Sciences, 26 th April 2015	National	Late PundalikraoGawaliARts,Comm, and Science, Mahavidyalaya, Shirpur
15	Microwave Assisted synthesis of some thiocarbamides	National Conference on Chemical Sciences : Emerging Scenario and challenges (NCCS-2016)Sponsored by : DST,RSC-WIS,DRDO,SGBAU	National	Sant Gadge Baba Amravati University Amravati
16	Synthesis and Characterization and Antimicrobial activity of Lactosyloctabenzoate Nanoparticles.	International Conference on Innovation in science and Technology: Opportunities and Challenges dated on 23-24 Sept. 2016	International	College of Engineering Babulgaon, Akola
17	Comparative study and antimicrobial study of Hepta-O-benzoyl Lactosyl isothiocyanate and their Nanoparticles.	35 th Annual Conference, Indian council of Chemists. dated on 22-24 th December 2016.	National	Haribhai Desai College Pune .,
18	Unique Synthesis andChararcerization of lactosyl thiocarbamates Nanoparticles	National Conference on Material and Environmental	National	Shri Yashwantarao Patil Science College, Solankpur

		Sciences. Dated on 15 th Feb.2017		
19	Microwave: A New Green Synthesis technique	Role of Basic Sciences in Emerging Industrial Scenario 8 th April 2012	National	The department of Engineering Sciences and ISTE, PRMIT & R Chapter organized conference
20	Synthesis Of Some Novel Organic N-Lactosylated Thiocarbamides Nanoparticles	International conference Recent Trends in science and technology,sustainable development through scientific approach.	International	Shri Shivaji college of science, Nagpur 2017
21	A Facile synthesis of some new N-lactosylatedthiocarmates nanoparticles and comparative account of their antimicrobial activity.	International conference in advances in science, technology and management	International	Shri Shivaji Engineering college ,Babulgaon, Akola
22	Comparative Studies ofmicrowave assisted synthesis with conventional synthesis ofsome novel glucosyl thiobiurets.	National Conference on Recent Trends in Chemical-Sciences	National	Shri Shivaji College of arts, Comm, and Science, Akola
23	Synthesis and characterization of hepta-O-benzoyl beta -D- maltosyl isothiocyanate nanoparticiles	Interatonal conference on Recent Trends in Sciences and Tehcnology	International	UGC. DST Spon. Organized by SSRI Mahavidyalaya Karanja
24	Sytnthesis and characterization of nanoparticles of 1-hepta-O-benzoyl-beta -D-lactosyl 5-aryl-2,4 dithiobiurets	International Conference on Multifunctional Advanced Material ICMAM-2018	International	Kamala Nehru Mahavidyalaya, Nagpur, 6&7 th Oct-2018

25	Microbial evaluation of nanoparticles of some new lactosyl 5-aryl 2,4 dithiobiurets,	National Conference on Emerging Trends in Science.	National	Organized by Vidyabharti College, Amravati 1 & 2-Feb-2019.
26	A Facile synthesis and characterization of maltosylated formadimides	National Conference on New Dimensions in Chemistry and Chemistry Education and National Conventions of Chemistry Teachers	National	SantGadge Baba Amravati University, sponsored by AUCTA, ACT and TIFR 5-7 th December-2019
27	A Facile synthesis and characterization of lactosylatedformadimide	National Conference on Innovative Research in Science and Technology	National	Department of Chemistry Shri Shivaji College of Science, Amravati. 17-18 th Dec. 2019
28	A Novel synthesis and characterization of formadimides	National Conference on Multidisciplinary Research in Science and Technology for Healthy Life.	National	Shri R.L.T.College of Science, Akola & AUCTA on 24 th Jan 2020
29	Nanotechnology	National Conference on Recent Trends in Mathematical, physical, chemical Library and life sciences.	Invited Talk	NilkanthraoShinde Science and Arts college Bhadravati, Chandrapur.7 th February 2020
30	Determination of sun protection formula of ecofriendly formulated sunscreen lotion.	Online National Conference on Recent Advances in Chemical Sciences	National	Shri ShankalralKhandelwalCollge, Akola 1 -2 May 2020
31	Practical approach towards the biological synthesis of carbohydrate nanoparticles	National Conference on Recent Trends in Nanotechnology and its Application	National	Department of Chemistry and IQAC , Arts, Coom. & Science College Ramanand Nagar Burli, Sangli 27 th June-2020
32	A systematic Investigation of nanoparticles synthesis of 1-hepta -O acetyl Beta -D-Glucosyk-3-aryl thiocarbamides pg.no. 36-41	One day International multidisciplinary conference on Research methodology in economics,libraryscience,social sciences, pure sciences, management,commerce, home science and sports science in Higher education in India and Abroad.	International	Pancham Khemraj Mahavidyalaya ,Sawantwadi, Sidndhudurg
33	Comparative Account of antimicrobial activity of	Virtual International conference on	Internation al	JVM's Degree College in Association with ACT

	synthesized maltosyl nanoparticles	Multifunctional Advances material		
3 4	Synthesis and characterization of nanoparticles of Beta-D-Lactosyl thiocarbamates.	One day International multidisciplinary conference on Research methodology in economics, library science, social sciences, pure sciences, management, commerce, home science and sports science in Higher education in India and Abroad.	International	Pancham Khemraj Mahavidyalaya ,Sawantwadi, Sidndhudurg

12. Subject related Seminar, Workshop, Conferences Attended:

S.NO.	Activity
1.	Actively Participated in the deliberation of 20 th Annual convention and seminar on Research methodology in current context at shri Shivaji college Amravati, on 2 dec. 2018
2.	Actively attended in the deliberation of 21 st annual convention and seminar of 'Recent trends in Chemistry Research' organized at S.S.S.K.R. College Karanja on 8th Dec.2019.
3	Actively participated in one day national level online seminar on Advances in Material Sciences organized by Maharshi Dayanand college of Arts, Science and commerce, parel Mumbai on 20 th May 2020
4	Participated in One day International online workshop on Nanomaterial synthesis in emerging fact of the world organized by Late Pushpadevi Patil arts and science college Risod
5	Participated in International E-conference on Strategies and challenges in Higher Education during Covid-19 lockdown period in India with reference to the world. Organized by Govt, Vidarbha Institute Amravati on 15-17 th May 2020.
6.	Attended one week faculty development programme on Modern Teaching Evaluation and Research methods. Organized by Vinaykaro Patil Mahavidyalya Vaijpur District, Aurangabad on 2 nd June 07 th June 2020.
7	Participate in one day international e-conference on Recent trends in Material sciences on 10 th Aug 2020 organized by shri Shivaji college Chandrapur.
8	Participated in the Indo-UK-Virtual Conference 'Current Innovations and the Future Therapeutic Developments' organized by Centre for Biomaterials Cellular and Molecular Theranostics at Vellore Institute of Technology .
9	Participated in International conference on Recent trends in advanced material organized by Nevjabai Hitkarini college, Brahmpuri on 6 th July 2020.

10	Attended workshop on Spectroscopic and stereospecific perspectives of Chemistry organized by shri R.L.T.College of Science, Akola on 2 nd oct, 2014
11	Actively participated in deliberation of 16 th Annual convention and one day regional seminar on Role of Chemistry Teacher in Rural Industrialization at DR. R.G. Rathod College Murtizapur.
12	Actively participated in workshop of Restructured of chemistry syllabus; challenges and opportunities organized by AUCTA at R.D.K.I. College Badnera

13. Professional Development Activity:

S.No.	Name of the Course/ Summer School	Place	Duration	Sponsoring Agency
1	13 th Orientation Programme	UGC- ASC, SGB Amravati University, Amravati	11-11-2011 to 8-12- 2011	H.R.D.C./ U. G. C.
2	Refresher Course in Chemistry	UGC- ASC, SGB Amravati University, Amravati	20/11/2012 to 11/12/2012	H.R.D.C./ U.G.C.
3	Refresher Course in Environmental Studies(ID) for all subjects	UGC-HRDC, SGB Amravati University, Amravati	06/11/2017 to 25/11/2017	H.R.D.C./ U.G.C.
4	Short Term course in Environment Conservation.	UGC-HRDC, SGB Amravati University, Amravati	9 th October - 14 th October 2018	H.R.D.C./ U.G.C.
5	Short Term Course in Capacity Building for Women.	UGC-HRDC, SGB Amravati University, Amravati	3 rd December - 8 th December 2018	H.R.D.C./ U.G.C.
6	24 th online Short-Term course in E-content development	UGC, HRDC, Gujarat University, Gujarat.	28 th May2020 To 3 rd June 2020	H.R.D.C./ U.G.C.
7.	FDP on Nanomaterials and Nanotechnology	AICTE Training and Learning (ATAL) Academy	29 th sept.- 24 th September 2021	AICTE

14. Contribution in Organization of National/ International seminar, workshop and conferences

„S.No.	Seminar/Workshop/Conferences	Level	Post Held
1.	Organized one month add on course on ' Digital Skill for creative teachers', for the Teacher-students of Government B.Ed. College Akola and Yawatmal (10 th July 2021-8 th August 2021)	University	Organizing Secretary

2.	Organized one day workshop on Hazardous waste Management and training of fire Extinguisher on 16 th sept. 2021.	District	Organizing Secretary
3.	Organized one day workshop on Drug Designing and Drug Discovery on 4 th October 2021.	District	Organizing Secretary
4.	Organized Add-On Course on Personality Development in collaboration with Career counseling Cell, Arts, Comm, Science college Chikhaldhara and S.G.B.A. U. from 6 th December to 11 th Dec. 2021	University	District Coordinator
5.	Organized Soft Skill Development Workshop from 5 th Jan.2022 to 8 th Jan. 2022 in collaboration with Student development Cell S.G.B. A.U.	College	Coordinator
6.	Organized hands-on- workshop on Perfume and Air Freshner (Herbal Product Making) on 28 th February 2022	College	Organizing secretary
7.	Organized Elocution and Rangoli Competition on the topic Gender Equality on occasion of women's Day, 8 th March 2022.	College	Organizing secretary
8.	Organizing Hands-on Workshop under the theme of Make-In- India for the women's of Adopted Village on Herbal Product Preparation.	District	Organizing Secretary
9.	Organized Online Faculty Development Programme on E-content Development from 8 th June To 13 th June 2020.	National	Organizing Secretary
10.	Coordinated Online training course on Geospatial Inputs for Enabling Master Plan Formulation' conducted by Indian Institute of Remote sensing, Dehradun, ISRO & Department of Space Govt. of India from 27 th July – 31 st July 2020.	National	Coordinator
11.	Organized Online Short Term Course on Research Methodology' in Collaboration with Ph.D. Cell S.G.B.Amravati university Amravati, AUCTA and MIS. 13 th July to 16 th July 2020.	National	Coordinator
12.	Organized soft skill development Programme in collaboration with Student development cell, S.G.B.A.U, 03.10.2019-08.10.2019	College	Coordinator

13.	Organized workshop for college coordinators of AVISHKAR.19 th September 2019. 2. Organized District level AVISHKAR Competition for college students. 10 th Jan 2020.	District	District coordinator
14.	Organized National Conference on multidisciplinary Research in Science and Technology for Healthy Life. 24 th Jan 2020.	National	Organizing Secretary
15.	Organized National Level Workshop Cum Seminar on Art of Perfume and Soap Making, at Shri R.L.T.College of Science, Akola Dated on 8 th Sept. 2018.	National	Organizing Secretary
16.	Organized Workshop on Spectroscopy and stereospecific Perspective of Chemistry at Shri R.L.T. College, Akola(14-15)	University	Organizing secretary
17.	Organized District Level workshop of Avishkar- A Research Festival on 10 th of December 2022.	University	District-Coordinator

15. Extension Activities

Sr. No.	Responsibility	Nature of Work
1.	Resource Person	Guided students in Block level Indian student Meet on 28 th August 2018 at Sushilatai Deshmukh Vidyalaya & JR, College Akola.
2.	Jury	Work as Jury member in 44 rd Akola District Science Exhibition on 18 th December 2018 at Suffan English High School Akola.
3.	Jury	Work as a Jury member for Akola District Interschool Science Toys Making Competition organized as Bat Shivaji School Akola on 23 rd February 2019.
4	Resource Person	Guidance to school students for Homi Baba Examination and to Vidnyan Manch students on Science Day.
5	Resource Person	Work as a resource person for Rashtriya Pradnya Pariksha (NTSE) Level-II at Shri R.L.T.college of Science, Akola on 22-25May 2019.
6	Resource Person	Work as Resource person at Shankarlal Khandelwal College Akola on Science Day 28 th Feb 2020.
7	Jury	Work as Jury member in District Level Inspire Award Science Exhibition organize by Science Club at Blue Chip Convent Karanja Lad on 31 st Jan 2020

8	Jury	Work as a Jury member for Akola District Interschool Science Competition organized by Vidyan Manch at Samarth public school, Akola on 12.12.2019
9	Organizing Secretary	Organized Online Short Term Course on Research Methodology' in Collaboration with Ph.D. Cell S.G.B.Amravati university Amravati, AUCTA and MIS. 13 th July to 16 th July 2020.
10	Organizing Secretary	Organize one month Add-On-course part time on Digital Skill Development for Student-Teacher of B,Ed. College of Akola and Yawatmal.
11	Life Member of AUCTA	Actively Participated in all the activities carried out by Association. Like seminar, conference and other curricular and co-curricular activity.
12	Life member of Indian chemical Society	Actively Participated in all the activities carried out by Association. Like seminar, conference and other curricular and co-curricular activity.
13	Life member of Indian Science congress Association	Actively Participated in all the activities carried out by Association. Like seminar, conference and other curricular and co-curricular activity.
14	Life member of Indian Council of Chemists	Actively Participated in all the activities carried out by Association. Like seminar, conference and other curricular and co-curricular activity.
15	Resource Person	Delivered the guest lectures on Nanoparticles in District level science Exhibition held at Shri R.L,T. College of Science, Akola .
16	Resource Person	Delivered guest lecture on Basic Organic Chemistry at New English High School Akola in District level Vidnyan Melawa.



डॉ. पुनम टी. अग्रवाल

विभागप्रमुख, रसायनशास्त्र विभाग, श्री रा. ल. तो. विज्ञान महाविद्यालय, अकोला

आपण आपल्या कार्यकर्तृत्वातून, कार्यशैलीतून शैक्षणिक आणि सामाजिक शृंखलेचा विकास व विस्तार केला आहे ह्या स्मृतीचिन्हाद्वारे आपल्या सेवेचा गौरव करतांना आम्हाला विशेष आनंद होतो आहे. आपले मनःपूर्वक अभिनंदन आणि आभार !



दि. बेरार जनरल एज्युकेशन सोसायटी द्वारा संचालित

श्री रा. ल. तो. विज्ञान महाविद्यालय, अकोला

संत गाडगेबाबा अमरावती विद्यापीठ, अमरावती संलग्न

अॅड. मोतिसिंह मोहता अध्यक्ष श्री. विजयकुमार तोष्णीवाल वरिष्ठ उपाध्यक्ष डॉ. रविंद्र जैन कनिष्ठ उपाध्यक्ष श्री. पवन माहेक्षरी मानद सचिव

इंजि. अभिजीत परांजपे सहसचिव डॉ. विजय नानोटी प्राचार्य

तथा समस्त कार्यकारिणी सदस्य

दि बेरार जनरल एज्युकेशन सोसायटी, अकोला

1 मार्च 2022

Photo Gallery:

