

Faculty Profile



General information

Name : DR. VINOD DOMAJI DEOTALE
Post : Assistant Professor
Department : Chemistry
Address : Shri R.L.T. College of Science, Civil Lines, Akola-444001
Email : vddeotale@gmail.com, vddeotale@rltsc.edu.in
Contact No. : +91-8826759525

Academic qualification

Qualified	Year	University	Specialization
B. Sc.	1998	Amravati University, Amravati	Chemistry and Biology
M. Sc. Chemistry	2000	Amravati University, Amravati	Organic Chemistry
Ph. D.	2021	RTM Nagpur University	Chemistry
SET	2015	UGC (Conducted by State Agency Savitribai Phule Pune University)	Chemical Sciences
GATE	2004, 2006, 2007	Indian Institute of Technology (IIT)	Chemistry

Research particulars

- Organic synthesis and analysis (by using advance analytical techniques)
- Operation and data interpretation of GC-MSMS, LC-MSMS, HPLC, GC (FID/FPD/NPD/ECD), ICP-OES

Total teaching and research experience

Work	Experience in Years
Teaching Experience at Degree Level	5
Teaching Experience at Post-Graduate Level	5
Research Experience	18

Experience in different organization

Name of Post	Organization	Period	Nature of work
Assistant Professor	Shri R.L.T. College of Science, Akola	12.06.2017 Continue till date	Teaching at UP and PG level
Scientist	OPCW Group, IPFT, Under Department of Chemicals and Petrochemicals, Ministry of Chemical & Fertilizers, Government of India. Sector-20, Udyog Vihar, Gurgaon-122016	27.06.2007 to 05.06.2017	Method development of analysis of chemical warfare agents & other chemicals by using chromatographic and spectrometric techniques
Junior Research Fellow	Naval Material Research Laboratory, DRDO, Ambernath (E)-421506, Distt. Thane, Mumbai, Maharashtra.	21.06.2005 to 20.06.2007	R & D on Non-linear optic polymers
Junior Research Fellow	Central Salt & Marine Chemicals Research Institute, CSRI, Bhavnagar-364002, Gujarat.	01.06.2004 to 13.05.2005	R & D on natural products (marine flora)
Production Officer	Lupin Pharmaceuticals Private Limited, Madideep, Bhopal, MP	10.01.2003 to 29.05.204	Production of intermediate chemicals in multistep reactions in high pressure laboratory
Academic Counsellor	IGNOU (Indira Gandhi National Open University) Regional Centre, NCT of Delhi-III	July, 2015 to July 2016 (Saturday and Sunday in week)	Teaching in Post Graduate Diploma in Analytical Chemistry (PGDAC)

Training courses completed

Course Title	Duration	Organizing Institution
“Pesticide Formulation Analysis”	November, 2007 – April 2008	IPFT-Gurgaon, Haryana.
“Analysis of Chemical Warfare Related Chemicals by Using Advance Analytical Techniques”	4 th - 8 th August, 2008	DRDE, DRDO, Gwalior-474002, MP, India
“Laboratory Quality Management System & Internal Audit As per ISO 17025”	16 th - 19 th September, 2008	Indian Institute of Quality Management (IIQM), STQC, Jaipur-302017, Rajasthan, India
“Pesticide Residue Analysis in Food Commodities and Environmental Samples”	30 th July – 2 nd August, 2012	Punjab Agriculture University, Ludhiana-141004, Punjab, India
“Analytical Skill Development Course”	22 nd August – 2 nd September, 2016	Sponsored by OPCW, Hague, the Netherland at Swedish Defense Research Agency (FOI), Umea, Sweden

Participated in course /workshop

Course Name	Date	Venue
Sensitization Workshop on Good Laboratory Practices (GLP)	11.09. 2014 to 12.09. 2014	Govt. of India, Dept. of Science and Technology, National Good Laboratory Practice (GLP) Compliance Monitoring Authority (NGCMA), Technology Bhavan, Mehrauli Road, New Delhi-110016
Orientation Programme for Academic Counsellor of Post Graduate Diploma in Analytical Chemistry	21.10.2016 to 22.10.2016	Indira Gandhi National Open University, Regional Centre, Delhi-3
Orientation Programme	16.07.2019 to 05.08.2019	UGC - New Delhi Sponsored UGC-HRDC, S.G.B. Amravati University, Amravati
Two Weeks Faculty Development Program on ‘Managing online classes and co-creating MOOCs: 2.0’	18.05.2020 To 03.06.2020	Teaching Learning Centre, Ramanujan College, University of Delhi. Ministry of Human Resource Development Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching

Refresher Course in Chemistry	23.11.2020 to 05.12.2020	UGC - New Delhi Sponsored UGC-HRDC, S.G.B. Amravati University, Amravati
MS-DEED Level 1 Online Workshop on Introduction to Innovative Pedagogies for UG Teachers	14.12.2021 to 16.12.2021	Indian Institute of Science Education and Research Pune in collaboration with Indian Institute of Science Education and Research Pune

International Visits:

Country	Year	Purpose
The Netherlands	2011	To participate in Preliminary Evaluation of result of Proficiency Test of Organization for Prohibition of Chemical Weapons (OPCW), at OPCW Headquarter, Hague, The Netherlands.
Sweden	2016	To participate in OPCW's "Analytical Skill Development Course" at Swedish Defense Research Agency (FOI), Umea, Sweden.

Award:

Name of Award	Year	For
"Director's Best Performations Award" from Director IPFT, Gurgaon	2011	Significant contribution in the OPCW Proficiency Tests in IPFT, Gurgaon

Membership of professional bodies

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

Research papers published in journals

Sr. No.	Title with Page No.	Journal	ISSN / ISBN No.
1.	Antibacterial and Antifungal Activities of new unsymmetrical thiobarbituric acids and their Knoevenagel Products (7-21)	International Journal of Creative Research Thoughts	ISSN:2320-2882

2.	Acid catalyzed Knoevenagel condensation of thiobarbituric acid and aldehyde at room temperature (1672-1678)	Synthetic Communications	ISSN 2405-8440
3.	HPLC purification technique: synthesis of unsymmetrical thiobarbituric acids (e02008)	Heliyon (Elsevier)	ISSN 2405-8440
4.	Synthesis of thiazol, thiazinan, thiadiazin, thiazolidin, triazine, thioxo-pyrimidin and thioxo-imidazolidine by inter-intra molecular cyclization(1493-1500)	Indian Journal of Chemistry -Section B (NISCAIR-CSIR, India)	0975-0983 (Online); 0376-4699 (Print)
5.	Thermodynamic studies on molecular interactions in aqueous solutions of barbituric acid, 1,3-dimethyl barbituric acid thiobarbituric acid	High Technology Letters	ISSN NO: 1006-6748
6.	Antibacterial and Antifungal Activities of new unsymmetrical thiobarbituric acids and their Knoevenagel Products (7-21)	International Journal of Creative Research Thoughts	ISSN:2320-2882
7.	Evaluation of termiticidal activity and phytochemical analysis of <i>Crotalaria burhia</i> (Buch-Ham) and <i>Anacardium occidentale</i> (L.) (172-176)	Journal of Pharmacognosy and Phytochemistry	E-ISSN: 2278-4136 P-ISSN: 2349-8234
8.	Monitoring of multiclass pesticide residues in farmland soil from different districts of Haryana(47-52)	Agricultural Research Journal	ISSN : 2395-1435
9.	GC-MS analysis of multiclass pesticide residues found in farmland water of Haryana districts(744-752)	World Journal of Pharmaceutical Research	ISSN 2277–7105
10.	Monitoring of multiclass pesticide residues in farmland soil from different districts of Haryana (47-52)	Agricultural Research Journal	ISSN : 2395-1435

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.	Synthesis of 1,3-diaryl-2-thioxo-dihydropyrimidine-	National conference on	Shri Shivaji College of Arts, Commerce	National

	4,6-(1H,5H)-diones using grapheme based copper oxide nanocomposite	recent advances in chemical sciences	and Science, Akola	
2.	HPLC purification technique: synthesis of unsymmetrical 1,3-disubstituted thiobarbituric acids	International conference on multifunctional advanced materials	Kamla Nehru College, Nagpur and Dharampeth M. P. Deo Memorial Science College, Nagpur	International
3.	Acid catalyzed Knoevenagel condensation of thiobarbituric acid and aldehyde at room temperature stirring (pp 64)	National conference on 'New dimensions in chemistry & chemistry education and national convention of chemistry teachers'	Department of chemistry, SGB Amravati University, Amravati.	National
4.	Spectrophotometric profiles of Knoevenagel condensation reaction of thiobarbituric acids and aromatic aldehydes	'Multidisciplinary Research in Science and Technology for Healthy Lifestyle Management' NCMRST-2020	Shri RLT College of Science, Akola	National
5.	UV-Visible Absorptions Study of Knoevenagel Condensation Reaction of Thiobarbituric Acids and Aromatic Aldehydes	National conference on "Current trends in Chemical Sciences"	Department of chemistry, SGB Amravati University, Amravati.	National
6.	"Greener catalyst Amberlyst-15: Synthesis of unsymmetric 1,3-disubstituted thiobarbituric acids"	103rd Indian Science Congress	University of Mysore, Mysuru	National
7.	Analysis of multiresidue in farmland water samples from Haryana Districts by gas chromatography mass spectrometry	National Conference on "Interdisciplinary Approaches in chemical Sciences-2015"	Centre for Interdisciplinary Research in Basic Sciences, Jamiya Millia Islamia New Delhi-110025, India	National

8.	Monitoring of Multiclass pesticide residue in farmland soil from different districts of Haryana by gas chromatography mass spectrometry	National Conference on Green Techniques A ray of hope in Environmental Problems	Dept. of Chemistry, Mewar University, Rajasthan	National
9.	Dispersive solid-phase extraction for the multi-residue analysis of 13 organochlorine pesticides in spinach.	International Conference on Agrochemicals protecting crop, Health and Natural Environment	IARI, Pusa, New Delhi	International
10.	Absorption study of synthesized thiobarbituric acids and their derivatives	108 Indian Science Congress	RTM Nagpur University	International

Other Achievements:

- **Recourse Person:**

Delivered speeches on “Indian Constitution” and “Other Social Subjects” in NSS special camps and colleges.

- **Central Governments Departmental Awards in “Rajbhasha” Hindi Activities**

Name of Programme	Achievement	Year	Organizing Institute
Inter Departmental (Govt. of India) “Kawya Path”	“Second Prize”	July- 2013	Nagar Rajbhasha Karyanwayan Samiti Guragaon and Central Income Tax Office, Delhi-III
Inter Departmental (Govt. of India) “Kawya Path”	“Second Prize”	Dec.- 2011	Nagar Rajbhasha Karyanwayan Samiti Guragaon and Central Income Tax Office, Delhi-III
“ Assay writing” in Rajbhasha Hindi Pakhwada Pratiyogita	First Prize	Sept.-2006	Naval material Research Laboratory, DRDO, Ambarnath, Mumbai

“ Debate” in Rajbhasha Hindi Pakhwada Pratiyogita	First Prize	Sept-2006	Naval material Research Laboratory, DRDO, Ambarnath, Mumbai
“ Spontaneous Speech” in Rajbhasha Hindi Pakhwada Pratiyogita	First Prize	Sept-2006	Naval material Research Laboratory, DRDO, Ambarnath, Mumbai
“ Assay writing” in Rajbhasha Hindi Pakhwada Pratiyogita	“Second Prize”	Sept-2005	Naval material Research Laboratory, DRDO, Ambarnath, Mumbai
“ Debate” in Rajbhasha Hindi Pakhwada Pratiyogita	“Second Prize”	Sept-2005	Naval material Research Laboratory, DRDO, Ambarnath, Mumbai

I, Dr. Vinod Domaji Deotale, Assistant Professor, Department of Chemistry, Shri R.L.T. College of Science, Akola, hereby declare that the information furnished above is true to the best of my knowledge and belief.

Akola,
28 January, 2023

Dr. V. D. Deotale