



# DR. RESHAL DESHMUKH

PROFESSOR IN CHEMISTRY

## EDUCATION

Doctor of Philosophy (Ph.D)  
S.G.B Amravati University  
2000-2004

Master of Science-Chemistry  
Shivaji Science College, Amravati  
1996-1998

## SKILLS

Faculty collaboration  
Data Driven  
Communication Proficiency  
Research/Analysis

## ACADEMIC

Vidwan id-560414  
Orcid id-0009-0002-0969-7580  
Google scholar

## CONTACT

✉ reshaldeshmukh@rediffmail.com

📍 Nagpur, Maharashtra

☎ 8830636054

## PROFESSIONAL PROFILE

Name of Institution: SSES Amt's Science College, Nagpur.

DOJ: Jan 13th' 2005

Teaching Experience: 20yrs in SSES Science College, Nagpur

Research Experience: 25 Years

Area of Specialization: Organic Chemistry, Medicinal Chemistry

Area of Research : Heterocyclic Chemistry, Drug Designing  
Material Sciences

## · ORIENTATION/REFRESHER COURSE

- Participated in orientation course held at ASC Nagpur from Feb 27 2006--Mar 26th 2006
- Attended refresher course in SGB Amravati Uni from Nov 20th 2012--Dec 11th 2012
- Attended refresher course in ASC Nagpur from Oct 1st 2015--Oct 21st 2015
- Attended Short Term Course in ASC Nagpur from Dec 5th 2016--Dec 10th 2016

## PATENT

Title of Invention : "3D Docking Device for Molecular Modelling"  
(Patent No. 6397728, Published in the UK, Granted: Oct 17th'24)

## MINOR RESEARCH PROJECT

One MRP on " Synthesis of some new oximes and their Antimicrobial activity " was submitted to UGC (60,000/-) - Co-Investigator.

## **PROFESSIONAL MEMBERSHIP:**

- Indian Women Scientist's Association
- Indian Science Congress Association Kolkata L26813
- All India Chemistry Teachers Association
- R.T.M. Nagpur University Chemistry Teacher' Association

## **RESEARCH GUIDANCE :**

- Student awarded Ph.D under supervision: one
- Student pursuing Ph.D under supervision: two
- Guided more than 40 PG students on project (Recent Trends in Research)

## **UNIVERSITY EXAMINATION RELATED WORK-**

- Officer Incharge
- Paper setter
- Evaluator
- Moderator

## **REVIEWER PH.D. THESIS FROM OTHER UNIVERSITIES.**

- Thesis from Shri Satya Sai Uni of Tech & Medical Sciences , Sehore (MP) 2023 was reviewed

## **IQAC NAAC-**

- Convener of Criterion VI For IQAC NAAC, Shivaji Science College, Nagpur.

## **ADMINISTRATIVE RESPONSIBILITIES HANDLED:**

- Incharge of Girls Hostel.
- Member of Discipline Committee
- Member (Ladies Representative) of CDC Committee

## **AWARDS**

- World Environment Education Award given by 24th World Environment Congress, Satara 2012
- Mahatma Fule Talent Research National Award in Chemistry 2012 given by Mahatma Fule Talent Research Academy
- Global Environment Education Award given by Global Environment Literature Conference , India-2015
- Shree Sai Maharashtra Samaj Bhushan Puraskar 2012 given by Shri Sai Pratishtan, Wadgaonshari.
- "Best Researcher Award" 2017-18 given by Shivaji Science College, Nagpur.

## PUBLICATIONS

- Asian Journal Chem,14(3-4),(2002),1241-1245 "Synthesis and Antifungal activity of 2 phenylimino 5-Aryl/Alkylimino- 1,3,4,5-Thiadiazolidines".
- Journal of UltraChemistry vol 12 no2 Dec 2006 "Synthesis and Antimicrobial activity of 2- Acetoxy Substituted Chalcone".
- International Journal of Current Research, Vol 7,Issue07, pp July 2015 Novel Synthesis And Evaluation Of Pyrazoles And Its Derivatives
- Indian Journal of Heterocyclic journal of Chemistry vol 12,oct-dec 2002,pp 153-156 "Synthesis and Antimicrobial activity of 3 aryl/alkylimino-6-phenylimino- 3,4,5,6 Tetrahydro - 1,2,4,5- dithiadiazines."
- Der Chemica Sinica, 2015, 6(3):59-63 Synthesis, structural study and biological evaluation of 1,3-thiazine
- Rashtrasant Tukdoji Maharaj Gourwank and Proceedings on National Seminar World Population Day- 2012 " Population and Rural Development."
- American Journal Of Pharmacy And Health Research, 2015, Volume 3, Issue 5 ISSN: 2321-3647 Synthesis and Structural Studies of 2,5- Diaryl/Dialkylimino-1,3,4- Thiadiazolidines and their Acetyl and Nitroso Derivatives
- Der Pharma Chemica, 2016, 8(4):291-295 Synthesis, characterisation and antimicrobial activity of novel substituted pyrimidines
- Asian Journal of Chemistry vol 19-2007 . "Synthesis and Antimicrobial activity of Acetoxy Substituted Chalcone in Triethanolamine Medium".
- International Journal of Researches in Biosciences,Agriculture and Technology ;Special Issue(3)Feb-2015:199-204 Treatment of Waste Water from Environmentally Benign Technology
- International Journal of Current Research Vol. 8, Issue, 08, pp.37002-37007, August, 2016 Study Of Substituted Pyrazole And Its Derivatives As Enviornmental Friendly Corrosion Inhibitor For Mild Steel In Acidic Medium
- Adv Journal of Pharm Life sci Res, 2016 4;2:65-68 "Antimicrobial Study Of Newly Synthesised Quinoxalines"

- Research Journal of Chemical Sciences August (2016) Res. J. Chem. Sci. N-[AMIDO] Substituted Pyrazole Compound used as Corrosive Inhibitor for Mild Steel in Acidic Environment
- Synthesis And Biological Evaluation Of 2-Arylimino-5-Hydrazino-1,3,4-Thiadiazolidines I J R B A T, Issue (VI), Vol. III, Sept-2018: 185-190
- International Journal of Researches in Biosciences, Agriculture and Technology; Issue (3), Vol. II, May 2015: 131-133 Evaluation of fine particulate matter pollution
- Utilization of Granular Activated Carbon for Sustainable Environmental Contaminants Remediation: 2023, Vol.39, No(6): Pg.16833-1689
- <http://dx.doi.org/10.13005/ojc/390631> Utilization of Granular Activated Carbon for Sustainable Environmental Contaminants Remediation Oriental Journal OF chemistry ISSN : 0970 - 020X, ONLINE ISSN : 2231-5039
- IJPSR (2017), Vol. 8, Issue 1 Novel Synthesis And Antimicrobial Activity Of 3-Amino Phenyl-5-Methyl Pyrazoles And Its Derivatives
- Human Journals Research Article April 2016 Vol.:6, Issue: Antimicrobial Efficiency of Leaves Extracts of *Milletia auriculata* Plant
- Journal of Chemical and Pharmaceutical Research, 2016, 8(8):364-368 Synthesis, spectral studies and antimicrobial studies of 7-[phenylamino]-5-methyl-1,4- diazepines and its derivatives
- Research Journey Feb 2019; 2348-7143 Synthesis and characterization of 1,2,4,5-Tetrazines (52-55)
- Studies in Chemistry of Some Pyrazolines and its Biological Screening, International Journal of Researches in Biosciences, Agriculture and Technology 2019; 2347-517X

## PRESENTATIONS :

- Synthesis of Novel 1,2,4,5 - dithiadiazines O.P-133,P-163,Indian Council of Chemists.Abstr:20th Conference 2001 Mysore
- Synthesis of structural studies of some 2- Aryl/Alkylimino-5-Hydrazido 1,3,4-Thiadiazolidines.O.P-9,P-84 Indian Council of chemists.Abstr- 21st conference 2002 Jabalpur(MP)
- "Antimicrobial study of Newly synthesized Quinoxalines"National Seminar on Environmental Security 2016
- "Synthesis characterization and biological activity of some pyrazoles"National Conference on Nanomaterials :New Horizon forbetterment of Mankind(NCMN2013)
- Chemical Persistence in the Biosphere:Aglobal Issue; International Conference on Science, Engineering and Technology (ICSET-2015)
- "Synthesis of Silver Nanoparticles and its application" National Seminar on Nanotechnology and Nanoengineering(NSNN-2016)
- "Study of Substituted Oximes and its derivative as Environmental Friendly Corrosion inhibitor for mild steel in acidic medium"11th National Conference on Solid State Chemistry And Allied Areas(NCSCA-2019)
- Sewage and Sewage treatment from environmental benign technology" National Conference on Impact of Human action on Environment.2015
- Studies of synthesized 2,5-diaryl/dialkylimino-1,3,4Thiazolidines for chemical activation of Nanomaterials in removal of metal ion. National Seminar on Nanotechnology:Today and Tomorrow.2016
- "Synthesis and Characterization of 1,2,4,5Tetrazines".National Conference on Emerging trends in Science2019
- Synthesis of 1,5-diphenyl-6- Aryl/Alkylimino 1,2,4,5 tertrazine-3-one and acetyl derivatives.O.P-157, P-241,International Symposium on Advances in organic Chemistry.Abstr- INSOC-2006

## BOOKS AUTHORED

Sr.no	Title	Publisher	ISSN/ISBN No.	year	No. of Co-authors
1	A Textbook of Chemistry BSc semV	RajaniPrakashan	978-93-83619-97-9	2016	05
2	A Textbook of Chemistry BSc sem I (Gondwana University)	RajaniPrakashan	978-81-927984-7-9 978-93-83619-53-5	2017	03
3	Introduction To Nano Chemistry	AGPH Books (Academic Guru)	978-81-976600-6-1	2024	04
4	Organic Chemistry and Nanoparticles: Bridging the Molecular and Nanoscale Worlds	AGPH Books (Academic Guru)	978-81-983155-1-9	2025	04

## ACTIVITIES:

1. In-charge of Girls Hostel
2. Actively participated in blood donation camp in Dec 2005-06.
3. Organized Poster presentation competition on Explosive Awareness
4. Organized Poster presentation competition on Global -Oct 2007.
- 5.. Organized Poster presentation competition on Water Conservation. Convener-Oct 2012.
- 6 Organized Poster presentation competition on Ozone Depletion. Convener Jan 2015
7. Organized Interuniversity Workshop on "Cosmetics And Allied Products"
8. Conducted "Joy of Giving" activity in slum area Chhunabhatti.
9. Organized Free Health Checkup Camp in Girls Hostel
10. Organized Yoga and Meditation Camp for teaching and Nonteaching Staff members.
11. Organized Soft Skill Training Program for Nonteaching Staff members.
12. Organized Handling of Chemicals training Program for Nonteaching Staff members

## **ACADEMIC COUNCELLING AND SUPPORT**

- Always ready to provide guidance, academic advice and assistance to incoming Shivajian cohort
- Helped students transition smoothly into academic life by offering tailored advice

**Dr. Reshal Deshmukh**

DEPARTMENT OF CHEMISTRY