



Dr. Vidya Desai

Academic Qualifications :

2001-2003: **Post-doctoral studies** in Enantioselective Synthesis in Muenster, Germany and Organometallic Catalysis in Heidelberg, Germany

2000 **Doctorate in Chemistry**,
Title: Synthetic Studies in biologically Active Compounds,
Goa University, INDIA

1995 **State Eligibility Test (SET)** Pune University, INDIA,
First Goan candidate To qualify SET Examination in Chemistry.

1995 **Master in Science** (Organic Chemistry), Outstanding Grade,
Goa University, INDIA

1993 **Bachelor in Science** (Chemistry), First Class, Goa University, INDIA

EMPLOYMENT STATUS:

- **Since 1996-2013**, Head of the Department, Chemistry, DM's College of Arts Science and Commerce.
- Presently, Associate Professor (Organic Chemistry and Pharmaceutical Chemistry)
- **Since 2009** till date MSc. Coordinator (Pharmaceutical Chemistry), Post-graduate Centre, **DM's College and Research Centre**.
- **Since April 2013**, recognized research guide in PhD Chemistry Affiliated to Goa University.

INNOVATIVE COURSES STARTED IN DM'S COLLEGE AND RESEARCH CENTRE:

- **2006-07**
Six Months Certificate Course in Patent law And Management for students and industry employees.
- **2007-2009 (Two Batches)**
One Year Diploma Course in Pharmaceutical Analysis For BSc. Graduate.
- **2009-till date (Four Batches)**
Two Year MSc. (Pharmaceutical Chemistry),for BSc. graduates Post-graduate Course Affiliated to Goa University.
First Time Such A Course to be started in Goa.

PROJECTS AND RESEARCH EXPERIENCE:

(20 years) in the field Synthetic Organic Chemistry

Research Interests: *Novel methods towards heterocyclic synthesis of biological importance, Green chemistry, natural products, medicinal chemistry, nanomaterials, organometallic catalysis.*

- **1998-2000** Principal investigator of a project entitled 'Intramolecular Wittig Reactions for the Synthesis of Heterocycles' funded by the University Grants Commission (UGC), Pune. (Funding: Rs.40,000).
- **1995-2000, Goa University, Doctoral Position**
- **January 2001 To March 2002,** Post Doctoral Research Fellow with Prof. Dieter Hoppe, Organisch Chemisches Institut der Universitaet, Muenster, GERMANY.
- **Sept 2002 To Aug 2003,** Post Doctoral Research Fellow with Prof. Peter Hofmann, Organisch Chemisches Institut, Ruprecht-Karls-Universitaet, Heidelberg, GERMANY.
- **2009-2012**
Principal investigator of a project entitled "Novel And Greener Routes Towards Synthesis of Heterocycles" funded by the Department of Science And Technology- Government of Goa (DST-Goa). (Funding: Rs.6.67 lakhs).

- **2007-2015**
My project students won several First and Second prizes for oral and poster presentations at TYBSc. Symposium for Project Work.
- **2013-2015 (Ongoing project)**
Principal investigator of a project entitled “Synthesis of Novel Heterocyclic Compounds Having Potential Bioactive Properties” funded by the Department of Science And Technology- Government of Goa (DST-Goa). (Funding: Rs.4.75 lakhs).
- **2013**
PhD Guide Recognition in Chemistry affiliated to Goa University.
- **2015-2017 (Ongoing project)**
Principal investigator of a project entitled “Synthesis of Novel Heterocyclic Scaffolds as Potential Drug Candidates for the Treatment of Tuberculosis” funded by the Department of Science And Technology- Government of Goa (DST-Goa). (Funding: Rs.10.36 lakhs).
- **April 2014**
College recognized for Research Centre in Chemistry.
First College in Goa to get this recognition in the subject of chemistry.
- **May 2014**
Two students Ms. Sinthiya Gawandi and Ms Sulaksha Desai registered for PhD.

HONOURS / AWARDS / ATTAINMENTS:

- Awarded First Division Certificate in National Talent Examination on General knowledge.
- First candidate to qualify State Eligibility Test (SET a competitive test for lecturership in chemistry) from Goa university, India, 1995.
- Felicitated by Goa University (1997), as well by DM;’s College (2000) for achievements in the field of Chemistry.
- Awarded Post Graduate Research Fellowship for the academic year 1995-96.
- Felicitated by the college Management for being the most Highly qualified lecturer in the college.
- Coordinator of two new post-graduate courses in the college
 - 1) Certificate course in Management and Patent law
 - 2) Diploma in Pharmaceutical Analysis
 - 3) MSc. (Pharmaceutical Chemistry)
- Won Best Choreographer Award For a Intercollegiate Fashion Show Event “Goenchim Asmitai” at Kala Academy, Panaji-Goa
- Awarded Best Research Award in Chemistry for College Teachers in Goa For the years 2011-12 and 2013-14.

INDUSTRY PLACEMENTS FOR STUDENTS:

- Campus Interviews by Glenmark generics limited, Watson pharmaceuticals, Vergo Pharma Research, Unichem Laboratories etc.
- Employment provided for BSc., Diploma in Pharmaceutical Analysis, and MSc. (Pharmaceutical Chemistry) Students In Pharmaceutical and Chemical companies like Teva Pharmaceuticals, Glenmark generics limited, Watson pharmaceuticals, Lupin India Limited, Sanofi Aventis, Unichem Laboratories, Zydus Cadila, Ncube Ethicals, SimChem Pharma, Centaur Pharma, Blue Cross Laboratories, Syngenta India Ltd. Etc.

PATENTS AND PUBLICATIONS:

Eleven Research Papers in Reputed International journals.

Six Poster Presentations in India and Germany.

LIST OF RESEARCH PAPERS

- (1) Synthetic Communications, 26(10), 1921-1924 (1996). "**Regioselective Synthesis of Carbazole Precursor to Olivacine**". Santosh G. Tilve, Anita S. Tilve and Vidya G. Desai, Department of Chemistry, Goa University, Taleigao Plateau, Goa, 403206, India. (Impact factor: 1.060)
- (2) Synthetic Communications, 29(17), 3017-3020 (1999). "**A Novel and Convenient Method For The Synthesis of 3, 5-Diarylisoxazoles**". Vidya G. Desai, Santosh G. Tilve. Department of Chemistry, Goa University, Taleigao Plateau, Goa, 403206, India. (Impact factor: 1.060)
- (3) J. Chem. Research (S), 2000, 8-9. J. Chem. Research, (M), 2000, 150-158. "**Synthesis of 2-acyl- and 2-benzoylindoles**". Raghao S. Mali, Santosh G. Tilve and Vidya G. Desai. Department of Chemistry, University of Pune, Pune 411 007, India. Department of Chemistry, Goa University, Goa 403 206, India. (Impact factor: 0.9)
- (4) J. Chem. Research (S), 2003, 628-629. "**Intramolecular Wittig Reaction: A New Synthesis of 1H-Benzopyran-2-ones and 1H-quinolone-2-ones**". Vidya G. Desai, Jyoti B. Shet, Santosh G. Tilve & Raghao S. Mali. Department of Chemistry, University of Pune, Pune 411 007, India. Department of Chemistry, Goa University, Goa 403 206, India. (Impact factor: 0.9)
- (5) Synthesis, 2004, 11, 1859-1863. "**Domino Primary Alcohol Oxidation-Wittig Reaction : Total Synthesis of ABT-418 and (E)-4-Oxonon-2-enoic acid**". Jyoti Shet, Vidya Desai, Santosh Tilve* Department of Chemistry, Goa University, Goa 403 206, India. (Impact factor: 2.5).
- (6) Synlett, 2004, 2275-2280. "**Stereospecific Reaction of α -Carbamoyloxy-2-alkenylboronates and α -Carbamoyloxy-alkylboronates with Grignard reagents-Synthesis of enantioenriched Secondary Alcohols**". E. Beckmann, V. Desai, D. Hoppe, Organisch Chemisches Institut, Wilhelms Westfaelische Universitaet, 48149- Muenster, Germany. (Impact factor: 2.65)
- (7) Synthetic communications, 2007, 37, 585-587. "**Convenient Synthesis of 3,5-disubstituted Isoxazoles**", Reshma F. Kurangi, Rima Kawthankar, Sufala

Sawal, Vidya G. Desai* and Santosh Tilve,*Department of Chemistry, DM's college of Arts, Science and Commerce, Assagao, Mapusa, Bardez-Goa . (Impact factor: 1.060)

- 8) Synthetic Communications, 2012, 42, 836-842. “ **Regioselective Synthesis of 1, 3, 5-trisubstituted pyrazoles**”, Vidya G.Desai, Pooja C. Satardekar, Sampada Polo, and Kashinath Dhumaskar. (Impact factor: 1.060)
- 9) Green and Sustainable Chemistry, 2013, 3, 1-7. “**Use of Solid-Supported Reagents Towards Synthesis of 2-Arylbenzoxazole, 3,5-diaryl isoxazole, and 1,3,5-triarylpyrazole. Sneha Naik and Vidya Desai***, *Department of Chemistry, DM's college of Arts, Science and Commerce, Assagao,Mapusa, Bardez-Goa. (Impact factor: 1.62)
- 10) Synthetic Communications, 2014, 44, 1453-1460. “ **o-IodoxyBenzoicAcid-Mediated Synthesis of 3,5-Diarylisoxazoles and Isoxazole-3-carboxylic Acids, Vidya G Desai*, Sneha R. Naik and Kashinath L. Dhumaskar.** *Department of Chemistry, DM's college of Arts, Science and Commerce, Assagao,Mapusa, Bardez-Goa. (Impact factor: 1.060)
- 11) International Journal of Pharmacy, 2015, 5(3), 930-935. “ **Green Synthesis of Nicotinic Acid Hydrazone Schiff Bases and its Biological Evaluation**”, Vidya Desai* and Rachana Shinde. Department of Chemistry (PG), DM's college and Research Centre, Assagao,Mapusa, Bardez-Goa. (Impact factor: 2.142)