

CURRICULUM VITAE

Dr. Vidya Sunil Dofe

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Specialization: Organic Chemistry

RESEARCH INTEREST

Heterocyclic Chemistry, Green Chemistry, Synthetic Organic Chemistry, Medicinal Chemistry

EDUCATIONAL QUALIFICATION

Name of Exams	University / Board	Year of passing	Percentage	Division
Ph. D.	Dr. Babasaheb Ambedkar Marathwada University	2018	-	-
M.Sc. (Org.Chem.)	Dr. Babasaheb Ambedkar Marathwada University	2008	60.08	First
B.Ed. (Science, Math)	Pune University, Pune	2006	66.25	First
B.Sc. (Chem, Phy, Comp.Sci.)	Dr. Babasaheb Ambedkar Marathwada University	2004	67.14	First
HSC	Aurangabad Divisional Board	2001	66.83	First
SSC	Aurangabad Divisional Board	1999	79.33	Distinction

CAREER PROFILE

- **Research Experience:** 09 Year
- **Teaching Experience:** 13 Year
- Working as Assistant Professor at Deogiri College, Aurangabad from January 2020 to till date
- Worked as Senior Lecturer at Shiv Chhatrapati college, Aurangabad from June 2018 to

December 2019.

- Worked as Senior Lecturer at Shiv Chhatrapati college, Aurangabad from June 2008 to March 2013.
- Worked as Lecturer at Vasanttrao Naik Mahavidyalaya, Aurangabad from August 2007 to March 2008.

RESEARCH WORK

1. **Dofe, V. S.;** Sarkate, A. P.; Lokwani, D. K.; Kathwate, S. H.; Gill, C. H. Synthesis, antimicrobial evaluation, and molecular docking studies of novel chromone based 1,2,3-triazoles *Res. Chem. Intermed.* 2017, 43, 15-28 **ISSN No.** 1568-5675 **Impact Factor:** 2.064
2. **Dofe, V. S.;** Sarkate, A. P.; Shaikh, Z. M.; Gill, C. H. Ultrasound-Mediated Synthesis of Novel 1,2,3-Triazole-Based Pyrazole and Pyrimidine Derivatives as Antimicrobial Agents *J. Heterocyclic Chem.* 2017, 54, 3195-3201 **ISSN No.** 1943-5193, **Impact Factor:**1.241.
3. **Dofe, V. S.;** Sarkate, A. P.; Lokwani, D. K.; Shinde, D. B.; Kathwate, S. H.; Gill, C. H. Novel O-alkylated chromones as antimicrobial agents: Ultrasound mediated synthesis, molecular docking and ADME prediction *J. Heterocyclic Chem.* 2017, 54, 2678-2685 **ISSN No.** 1943-5193, **Impact Factor:** 1.241.
4. **Dofe, V. S.;** Sarkate, A. P.; Kathwate, S. H.; Gill, C. H. Synthesis, antimicrobial activity and anti-biofilm activity of novel tetrazole derivatives *Heterocycl. Commun.* 2017, 23, 325-330 **ISSN No.** 2191-0197 **Impact Factor:** 0.810.
5. **Dofe, V. S.;** Sarkate, A. P.; Azad, R.; Gill, C. H. Novel quinoline-based oxadiazole derivatives induce G2/M arrest and apoptosis in human breast cancer MCF-7 cell line *Res. Chem. Intermed.* 2017, 43, 7331-7345 **ISSN No.** 1568-5675 **Impact Factor:** 2.064
6. **Dofe, V. S.;** Sarkate, A. P.; Shaikh, Z. M.; Gill, C. H. Ultrasound assisted synthesis and antimicrobial activity of tetrazole-based pyrazole and pyrimidine derivatives *Heterocycl. Commun.* 2018, 24, 59-65 **ISSN No.** 2191-0197 **Impact Factor:** 0.810.
7. **Dofe, V. S.;** Sarkate, A. P.; Shaikh, Z. M.; Jadhav, C. K.; Nipte, A. S.; Gill, C. H. Ultrasound assisted synthesis of novel pyrazole and pyrimidine derivatives as antimicrobial agents *J. Heterocyclic Chem.* 2018, 55, 756-762 **ISSN No.** 1943-5193 **Impact Factor:** 1.241.
8. **Dofe, V. S.;** Sarkate, A. P.; Azad, R.; Gill, C. H. Green synthesis and inhibitory effect of novel quinoline based thiazolidinones on the growth of MCF-7 human breast cancer cell line by G2/M cell cycle arrest *Res. Chem. Intermed.* 2018, 44, 1149-1160 **ISSN No.** 1568-5675 **Impact Factor:** 2.064
9. **Dofe, V. S.;** Sarkate, A. P.; Tiwari, S. V.; Lokwani, D. K.; Karnik, K. S.; Kale, I. A.; Dodamani, S.; Jalalpure, S. S.; Burra, P. V. Ultrasound assisted synthesis of tetrazole based pyrazolines and isoxazolines as potent anticancer agents via inhibition of tubulin polymerization *Bioorg. Med. Chem. Lett.* 2020, 30(22), 127592 **Impact Factor:** 2.572.
10. Jadhav, C. K.; Nipate, A. S.; Chate, A. V.; **Dofe, V. S.;** Sangshetti, J. N.; Khedkar, V. M.; Gill C. H. Rapid Construction of Substituted Dihydrothiophene Ureidoformamides at Room Temperature Using Diisopropyl Ethyl Ammonium Acetate: A Green Perspective *ACS*

Omega 2020, 5(45), 29055–29067 **Impact Factor:** 2.870.

11. Jadhav, C. K.; Nipate, A. S.; Chate, A. V. Kamble, P. M.; Kadam, G. A.; Dofe, V. S.; Khedkar, V. M. Gill C. H. Room temperature ionic liquid promoted improved and rapid synthesis of highly functionalized imidazole and evaluation of their inhibitory activity against human cancer cells *J. Chin. Chem. Soc.* 2021, 1–15 **Impact Factor:** 1.554.
12. Jadhav, C.K., Nipate, A.S., Chate, A.V., Kulkarni, M.V., Dofe, V.S. and Gill, C.H. Rapid Multicomponent Tandem Annulation in Ionic Liquids: Convergent Access to 3-Amino-1-Alkylpyridin-2(1H)-One Derivatives as Potential Anticancer Scaffolds *Polycycl. Aromat. Compd.* 2021, 1-20 **Impact Factor:** 3.744.
13. Sarkate, A. P., Dofe, V. S., Tiwari, S. V., Lokwani, D. K., Karnik, K. S., Kamble, D. D., Ansari M. H. S. H., Dodamani S., Jalalpure S. S., Sangshetti J. N., Azad R., Burra P. V. L. S., Bhandari, S. V. One pot synthesis, in silico study and evaluation of some novel flavonoids as potent topoisomerase II inhibitors *Bioorg. Med. Chem. Lett.* 2021,40, 127916 **Impact Factor:** 2.572.

ONGOING RESEARCH PROJECT

Sr. No.	Type of project	Title of project	Sponsored agency	Date of Sanction	Grants received (Rs)
1	Minor	Synthesis and Antibacterial Potential of Novel Fluorine Containing Pyrazoline	Shivchhatrapati College, Aurangabad	2021	25000/-

CHAPTER PUBLISHED IN BOOK

Sr No.	Title of chapter with page No.	Name of Book	Publisher Name with ISBN No.
1	Nanocatalyzed Synthesis of Bioactive Pyrrole, Indole, Furan and Benzofuran Derived Heterocycles	Nanocatalysis: Synthesis of Bioactive Heterocycles	CRC press 9780367693541

HONOUR AND AWARDS

- Awarded with **Senior Research Fellowship** (SRF) by Council of Scientific and Industrial Research, New Delhi (2016-2017).
- Awarded with **Junior Research Fellowship** (JRF) by Council of Scientific and Industrial Research (CSIR) and secured All India 71 rank (2013-2015).
- Achieved **2nd Rank** in Pharmacy and Medicinal discipline under PPG category in **University Level AVISHKAR-2016** at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 2016.