

Curriculum Vitae

Dr. Tejas M. Dhameliya

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Department of Pharmaceutical Chemistry,

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Areas of Interest

Medicinal chemistry, organic chemistry, computational chemistry, drug discovery and development, anti-TB/malarial drug discovery, SARS CoV-2 inhibitors, ionic liquids/nanoparticles catalyzed synthesis of heterocycles

Education Profile

2005 (June)-2006 (March)	S.S.C.; Gujarat Secondary and Higher Secondary Education Board (GSHEB), Gandhinagar, Gujarat, India. Percentage -94.43%.
2006 (June)-2008 (March)	H.S.C.; Gujarat Secondary and Higher Secondary Education Board (GSHEB), Gandhinagar, Gujarat, India. Percentage -87.20%.
2008 (July)-2012 (May)	B. Pharm., L. M. College of Pharmacy, Gujarat Technological University (GTU), Ahmedabad, Gujarat, India. CGPA -8.29 (77.9%).
2012 (July)- 2014 (June)	M.S. (Pharm.) (Medicinal Chemistry), National Institute of Pharmaceutical Education and Research (NIPER), S.A.S. Nagar (Mohali), Punjab, India. CGPA -8.88 (74.4%) <u>Thesis Title</u> : "Design and Synthesis of Novel Benzothiazoles as Potential Anti-tubercular Agents" <u>Supervisor</u> : Prof. Asit Kumar Chakraborti
2014 (July)-2017 (July) [§]	Ph.D. (Medicinal Chemistry), National Institute of Pharmaceutical Education and Research (NIPER), S.A.S. Nagar (Mohali), Punjab, India. CGPA -9.33 (76.65%) <u>Thesis Title</u> : "Heterocyclic Carboxamides as Novel Anti-mycobacterial Chemotypes: Design, Synthesis, and Biological Evaluation" <u>Supervisor</u> : Prof. Asit Kumar Chakraborti

[§]The thesis was submitted on Dec 18, 2017 and the degree was awarded on May 21, 2018.

Awards, Achievements and Appreciations

- **Guest Editor** for the special issue 7th Nirma Institute of Pharmacy International Conference NIPiCON 2024 in the journal, *Drug Development Research* (IF: 3.8) published by Wiley-VCH
- **Guest Editor** for the special issue "Recent Advancements and Developments in the Biological Importance of Heterocyclic Scaffolds (jointly organized between *ChemistrySelect* (IF: 2.1) and *Chemistry & Biodiversity* (IF: 2.9))" published by Wiley-VCH
- **Topic Editor** of issue on "Hot Topic: Anti-inflammatory drug discovery" of *Frontiers in Chemistry* (IF: 5.545) in Feb 2023

- 30th rank in the merit list for qualifying **Lectureship (LS)** in Joint CSIR-UGC Test for Junior Research Fellowship (JRF) and **Eligibility for Lectureship NET (National Eligibility Test)** held on Dec 21, 2014 and jointly organized by CSIR-UGC, New Delhi
- National level **Rajniibhai V. Patel PharmInnova Award 2014-15** for the most “**Innovative Thesis**” in M. Pharm. (Pharmaceutical Chemistry) category in Pharmaceutical Sciences jointly organized by Troikaa Pharmaceutical Ltd., Ahmedabad; Department of Science & Technology (DST), New Delhi and L. M. College of Pharmacy (LMCP), Ahmedabad
- 1st rank in merit list for NIPER Ph.D. Joint Admission Test-2014 (NIPER JAT-2014) held on June 08, 2014 and conducted by NIPER, S.A.S. Nagar
- 181st rank in NIPER Joint Entrance Examination-2012 (NIPER JEE-2012) held on July 06, 2014 conducted by NIPER, S.A.S. Nagar
- 204th rank in Graduate Pharmacy Aptitude Test 2012 (GPAT 2012) conducted by M. S. University of Baroda
- 11th rank in Surat center, GSHEB, Gandhinagar during the S.S.C. examination held in March 2006 by scoring 94.43% marks
- Award of ‘The Best Scientific Committee Mentor’ in CHEMOPHILE 2015-16 (Departmental Seminar) in Department of Medicinal Chemistry, NIPER, S.A.S. Nagar
- First prize of ‘The Most Interactive Individual’ in CHEMOPHILE 2012-13 in Department of Medicinal Chemistry, NIPER, S.A.S. Nagar
- Second prize for elocution competition in Hindi on the topic of ‘Importance of Honesty and Discipline’ held on June 21, 2013 in NIPER, S.A.S. Nagar
- Second prize for elocution competition in Hindi on the topic of ‘Advantages and Disadvantages of Electronic Media’ held on Dec 14, 2012 in NIPER, S.A.S. Nagar

Fellowships: Total 6

1. **Teachers Associateship for Research Excellence (TARE, No. TAR/2023/000195)** from Science & Engineering Research Board (SERB), Department of Science and Technology, Government of India to work on the project entitled as “Design and Development of Anti-cancer Heterocyclic Scaffolds as Type I DNA Topoisomerase (Topo 1) inhibitors” under the supervision of Dr. Sivapriya Kirubakaran, Asso. Prof., Discipline of Chemical Science, Indian Institute of Technology, Gandhinagar (IIT-Gn)
2. **Science Academies’ Summer Research Fellowship (SRF) 2023** jointly organized by Indian Academy of Sciences (IASc), Bengaluru, Indian National Science Academy (INSA), New Delhi, and National Academy of Science (NASI), Prayagraj under the mentorship of Dr. Chandrakumar Appayee, Asso. Prof., Discipline of Chemistry, Indian Institute of Technology (IIT), Gandhinagar on the project entitled as "Synthesis of L-Proline based Chiral Catalyst and its Application in Moriya-Baylis-Hillman Reactions" for 56 days in June, July and Nov 2023
3. **Senior Research Fellow (SRF)** under Department of Pharmaceuticals (DoP) funded project on “Target based drug discovery against tuberculosis” at NIPER, S.A.S. Nagar during July 28, 2016 to July 31, 2017
4. **Junior Research Fellow (JRF)** under Department of Pharmaceuticals (DoP) funded project on “Target based drug discovery against tuberculosis” at NIPER, S.A.S. Nagar during July 28, 2014-July 27, 2016
5. **Research fellowship** for postgraduate studies funded by NIPER, S.A.S. Nagar during July 30, 2012 to June 30, 2014

6. **Scholarship for graduate studies** funded by Gujarat Secondary and Higher Secondary Education Board (GSHEB), Gandhinagar during June 2008 to July 2010

Research and Teaching Experience: Total > 9 Years

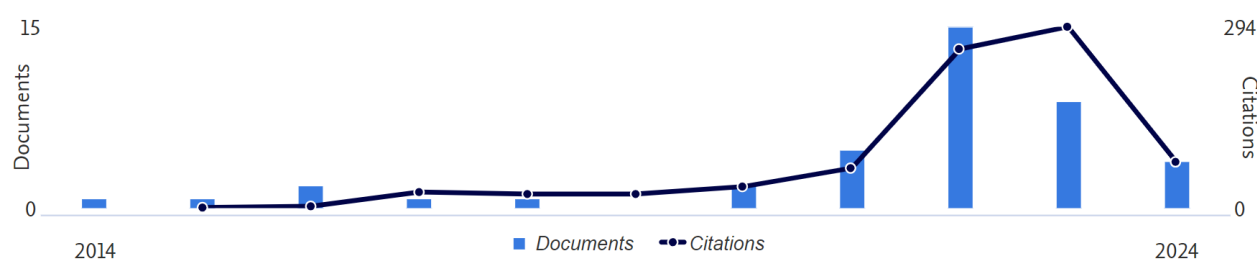
1	Jan 20, 2023-Present	>1 years	Asst. Prof. in Department of Pharmaceutical Chemistry, Institute of Pharmacy, Nirma University, Ahmedabad
2	Aug 8, 2017-Jan 19, 2023	5.5 years	Asst. Prof. in Department of Pharmaceutical Chemistry and Quality Assurance at L. M. College of Pharmacy, Ahmedabad
3	July 28, 2016-July 31, 2017	1 year	Senior Research Fellow (SRF) under DoP (Department of Pharmaceuticals) funded project (Target based drug discovery against tuberculosis) at NIPER, S.A.S. Nagar
4	July 28, 2014-July 27, 2016	2 years	Junior Research Fellow (JRF) under DoP (Department of Pharmaceuticals) funded project (Target based drug discovery against tuberculosis) at NIPER, S.A.S. Nagar

Research Contribution

Research Group Webpage: <https://tmdresearchgroup.weebly.com/>

- **Publications:** 51 [Research articles: 20; Review articles: 22; Book chapters: 5; Others: 4]
 - First author: 22; Corresponding author: 31; Independent career: 34
- **Citations (Scopus as on May 05, 2024):** 851; **Citations/paper:** 20.76; **h-Index:** 17
- **Citations (Web of Science as on Apr 10, 2024):** 702; **Citations/paper:** 18.47; **h-Index:** 16
- **Citations (Google Scholar as on Apr 10, 2024):** 908; **Citations/paper:** 19.74; **h-Index:** 18; **i10-Index:** 22
- **Cumulative impact factor (JCR 2023):** 147.7; **Average IF:** 3.52; **Highest IF:** 6.7
- **Patents:** 2 (Granted)
- **Research grants:** 10 (> 25.50 Lakhs)
- **Travel grants:** 3 (> 4.21 Lakhs)
- **Research fellowships:** 3
- **Research guidance:** M.Pharm.: Degree Awarded: 7; In Persuasion: 1 Ph.D.: In Persuasion: 1
- **National award or appreciation:** 3
- **Seminars/ lectures delivered:** 5
- **Poster or oral presentations presented in symposia:** 19
- **Symposiums/seminars/workshops/CEPs/MOOCs/FDPs attended:** 40
- **ORCHID ID:** [0000-0001-5336-9918](#); **Scopus ID:** [56380441400](#)
- **Researcher ID:** [K-1311-2016](#); **Vidhwan ID:** [187278](#)
- Links for [Google Scholar](#) and [Research Gate](#)

Document & citation trends



Research Articles: Total 20

Citations according to Scopus (as on date May 01, 2024) against each article are provided:

1. Punam Salaria, N. N. Subrahmanyeswara Rao, Tejas M. Dhameliya and M. Amarendar Reddy "In silico investigation of potential phytoconstituents against ligand- and voltage-gated ion channels as antiepileptic agents" *3 Biotech* **2024**, 14, 99. <https://doi.org/10.1007/s13205-024-03948-1> **IF: 2.8**
2. Sonal Pande, Chirag A. Patel,* Tejas M. Dhameliya, Jayesh Beladiya, Palak Parikh, Radhika Kachhadiya and Sandip Dholakia. "Inhibition of Uridine 5'-Diphospho-Glucuronosyltransferases A10 and B7 by Vitamins: Insights from in Silico and in Vitro Studies," *In Silico Pharmacol.* **2024**, 12 (1), 8. <https://doi.org/10.1007/s40203-023-00182-0>
3. Udaykumar G. Vegad,* Normi D. Gajjar, Prinsa R. Nagar, Sanjay P. Chauhan, Devang J. Pandya and Tejas M. Dhameliya,* "In Silico Screening, ADMET Analysis and MD Simulations of Phytochemicals of Onosma bracteata Wall. as SARS CoV-2 Inhibitors," *3 Biotech* **2023**, 13, 221 <https://doi.org/10.1007/s13205-023-03635-7> **IF: 2.8 Cited 2 times**
4. Tejas M. Dhameliya, Rishu Tiwari, Arkaprabha Banerjee, Sahaj Pancholia, Dharmarajan Sriram, Dulal Panda, and Asit K. Chakraborti, "Benzo[d]thiazole-2-carboxamides as New Anti-TB Chemotypes Inhibiting the Mycobacterial ATP-Phosphoribosyl Transferase (HisG)" *Future Med. Chem.* **2022**, 14 (24), 1847-1864. <https://doi.org/10.4155/fmc-2022-0226> **IF: 4.2 Cited 1 time**
5. Kunjan B. Bodiwala, Jaldhi Shah, Dipen K. Sureja, Tejas M. Dhameliya, and Avinash Khadela, "Generation of predictive models for oxidative degradation kinetics of dapagliflozin with the applications of DOE and stability indicating HPLC method" *Int. J. Chem. Kin.* **2022**, 54, 712-725. <https://doi.org/10.1002/kin.21608> **IF: 1.5 Cited 1 time**
6. Tejas M. Dhameliya, Rishu Tiwari, Kshitij I. Patel, Siva Krishna Vagolu, Dulal Panda, Dharmarajan Sriram, and Asit K. Chakraborti*, "Bacterial FtsZ Inhibition by Benzo[d]imidazole-2-carboxamides having anti-TB Activities" *Future Med. Chem.* **2022**, 4, (19) 1361-1373, <https://doi.org/10.4155/fmc-2022-0120> **IF: 4.2 Cited 6 times**
7. Dipen K. Sureja,* Ashish P. Shah, Normi D. Gajjar, Shwetaba B. Jadeja, Kunjan B. Bodiwala, and Tejas M. Dhameliya,* "In-silico Computational Investigations of Antiviral Lignan Derivatives as Potent Inhibitors of SARS CoV-2" *ChemistrySelect* **2022**, 7 (26), e202202069. <https://doi.org/10.1002/slct.202202069> **IF: 2.1 Cited 6 times**
8. Kaushikkumar A. Bhakhar, Punit V. Vaghela, Saiprasad D. Varakala, Shrddhaba J. Chudasma, Normi D. Gajjar, Prinsa R. Nagar, Dharmarajan Sriram, and Tejas M. Dhameliya,* "Indole-2-carboxamides as New Anti-Mycobacterial Agents: Design, Synthesis, Biological Evaluation and Molecular Modeling against mmpL3" *ChemistrySelect* **2022**, 7 (26), e202201813, <https://doi.org/10.1002/slct.202201813> **IF: 2.1 Cited 5 times**
9. Tejas M. Dhameliya,* Prinsa R. Nagar, and Normi D. Gajjar, "Systematic Virtual Screening in Search of SARS CoV-2 Inhibitors against Spike Glycoprotein: Pharmacophore Screening, Molecular Docking, ADMET Analysis and MD Simulations," *Mol. Divers.* **2022**, 26 (5), 2775-2792, <https://doi.org/10.1007/s11030-022-10394-9> **IF: 3.8 Cited 17 times**
10. Prinsa R. Nagar, Normi D. Gajjar, and Tejas M. Dhameliya,* "In Search of SARS CoV-2 Replication Inhibitors: Virtual Screening, Molecular Dynamics Simulations and ADMET Analysis," *J. Mol. Struct.* **2021**, 1246, 131190. <https://doi.org/10.1016/j.molstruc.2021.131190> **IF: 3.8 Cited 45 times**

11. Kunjan B. Bodiwala*, Bhoomi G. Panchal, Shrinivas S. Savale, Jayant B. Dave, Dipen K. Sureja, Tejas M. Dhameliya, and Mahesh T. Chhabria, "Simultaneous Estimation of Six Nitrosamine Impurities in Valsartan using Liquid Chromatographic Method," *J. AOAC Int.* **2022**, *105* (1), 1-10. <https://doi.org/10.1093/jaoacint/qsab100> IF: 1.6 Cited 6 times
12. Kaushikkumar A. Bhakhar, Normi D. Gajjar, Dipen K. Sureja, Kunjan B. Bodiwala and Tejas M. Dhameliya,* "Identification of Anti-mycobacterial Agents against mmpL3: Virtual Screening, ADMET Analysis and MD Simulations," *J. Mol. Struct.* **2021**, *1244*, 130941. <https://doi.org/10.1016/j.molstruc.2021.130941> IF: 3.8 Cited 24 times
13. Normi D. Gajjar, Tejas M. Dhameliya,* and Gaurang B. Shah,* "In Search of RdRp and Mpro Inhibitors against SARS CoV-2: Molecular Docking, Molecular Dynamic Simulations and ADMET Analysis," *J. Mol. Struct.* **2021**, *1239*, 130488. <https://doi.org/10.1016/j.molstruc.2021.130488> IF: 3.8 Cited 59 times
14. Tejas M. Dhameliya, Kshitij I. Patel, Rishu Tiwari, Shiva Krishna Vagolu, Dulal Panda, Dharmarajan Sriram and Asit K. Chakraborti,* "Benzo[d]imidazole-2-carboxamides as New Anti-TB Agents: Design, Synthesis, and Biological Evaluation," *Bioorg. Chem.* **2021**, *107*, 104538. <https://doi.org/10.1016/j.bioorg.2020.104538> IF: 5.1 Cited 32 times
15. Pradeep S. Jadhavar, Kshitij I. Patel, Tejas M. Dhameliya, Nirjhar Saha, Maulikkumar D. Vaja, Vagolu Shiva Krishna, Dharmarajan Sriram, and Asit K. Chakraborti,* "Benzimidazoquinazolines as New Potent Anti-TB Chemotypes: Design, Synthesis, and Biological Evaluation," *Bioorg. Chem.* **2020**, *99*, 103774. <https://doi.org/10.1016/j.bioorg.2020.103774> IF: 5.1 Cited 31 times
16. Tejas M. Dhameliya, Rishu Tiwari, Arkaprabha Banerjee, Sahaj Pancholia, Dharmarajan Sriram, Dulal Panda and Asit K. Chakraborti,* "Benzo[d]thiazole-2-carbanilides as New Anti-TB Chemotypes: Design, Synthesis, Biological Evaluation, and Structure-Activity Relationship," *Eur. J. Med. Chem.* **2018**, *155*, 364-380. <https://doi.org/10.1016/j.ejmech.2018.05.049> IF: 6.7 Cited 44 times
17. Tejas M. Dhameliya, Sumit S. Chourasiya, Eshaan Mishra, Pradeep S. Jadhavar, Prasad V. Bharatam and Asit K. Chakraborti,* "Rationalization of benzazole-2-carboxylate versus benzazine-3-one/ benzazine-2,3-dione selectivity switch during cyclocondensation of 2-aminothiophenols/phenols/anilines with 1,2-biselectrophiles in aqueous medium," *J. Org. Chem.* **2017**, *82* (19), 10077-10091. <https://doi.org/10.1021/acs.joc.7b01548> IF: 3.6 Cited 29 times
18. Pradeep S. Jadhavar, Tejas M. Dhameliya, Maulikkumar D. Vaja, Dinesh Kumar, Jonnalagadda Padma Sridevi, Perumal Yogeeswari, Dharmarajan Sriram and Asit K. Chakraborti,* "Synthesis, Biological Evaluation and Structure-Activity Relationship of 2-Styrylquinazolones as Anti-tubercular Agents," *Bioorg. Med. Chem. Lett.* **2016**, *26*, 2663-2669. <https://doi.org/10.1016/j.bmcl.2016.04.012> IF: 2.7 Cited 50 times
19. Sahaj Pancholia, Tejas M. Dhameliya, Parth Shah, Pradeep S. Jadhavar, Jonnalagadda Padma Sridevi, Perumal Yogeeswari, Dharmarajan Sriram and Asit K. Chakraborti,* "Benzo[d]thiazol-2-yl(piperazin-1-yl)methanones as New Anti-mycobacterial Chemotypes: Design, Synthesis, Biological Evaluation and 3D-QSAR Studies," *Eur. J. Med. Chem.* **2016**, *116*, 187-199. <https://doi.org/10.1016/j.ejmech.2016.03.060> IF: 6.7 Cited 52 times
20. Parth Shah, Tejas M. Dhameliya, Rohit Bansal, Manesh Nautiyal, Damodara N. Kommi, Pradeep S. Jadhavar, Jonnalagadda Padma Sridevi, Perumal Yogeeswari, Dharmarajan Sriram and Asit K. Chakraborti,* "N-Arylalkylbenzo[d]thiazole-2-carboxamides as Anti-mycobacterial Agents: Design, New Methods of Synthesis and Biological Evaluation," *Med. Chem. Commun.* **2014**, *5* (10), 1489-1495. <https://doi.org/10.1039/C4MD00224E> IF: 4.1 Cited 51 times

Citations according to Scopus (as on date May 01, 2024) against each article are provided:

1. Tejas M. Dhameliya,* Drashtiben D. Vekariya, Pooja R. Bhatt, Tarun Kachroo, Kumkum D. Virani, Khushi R. Patel, Shelly Bhatt and Sandip P. Dholakia, "Indoles and their Analogues as Anti-plasmodial Agents: A Synthetic Account and Future Insights" *Mol. Divers.* **2024**, DOI-10.1007/s11030-024-10842-8 <https://doi.org/10.1007/s11030-024-10842-8> **IF: 3.8**
2. Hetvi A. Bharadia, Jainam K. Shah, Dipen K. Sureja, Kunjan B. Bodiwala, and Tejas M. Dhameliya,* "Future of Environment with Carbon Allotropes" *Nirma University Journal of Pharmaceutical Science*, **2024**, *11* (1), 33-53 <https://journals.nirmauni.ac.in/index.php/pharmacy/issue/view/57>
3. Tejas M. Dhameliya,* Diya S. Patel, Deepika Kathuria, Maitri B. Shah, Akshada S. Dabhade, Hetvi S. Dave, Nidhi C. Lad, Amit Z. Chaudhari, Vivek K. Vyas, and Hardik G. Bhatt, "Biannual Account of Anti-malarial Agents reported in 2021 and 2022: A Comprehensive Coverage" *ChemistrySelect* **2024**, 9 (10), e202303982 <https://doi.org/10.1002/slct.202303982> **IF: 2.1**
4. Tejas M. Dhameliya,* Drashtiben D. Vekariya, Vaidehi N. Vaddoriya, Yesha M. Trivedi, Khushi R. Patel and Sandip P. Dholakia, "Recent Advancements and Developments of Molecular Dynamics Simulations in the Discovery of Anti-protozoal Agents" *ChemistrySelect* **2024**, 9 (1), e202302471 <https://doi.org/10.1002/slct.202302471> **IF: 2.1**
5. Tejas M. Dhameliya,* Disha D. Shah, Aayushi C. Shah, Tithi S. Shah, Tanvi M. Patel, Devalben K. Rana, Dipen K. Sureja, and Kunjan B. Bodiwala "Comprehensive Review on Metal Nanoparticles Catalyzed Synthesis of Aza- and Oxa-Heterocycles Reported in 2022" *Synlett*, **2024**, DOI: 10.1055/s-0042-1751533 In press, <https://doi.org/10.1055/s-0042-1751533> **IF: 2.0**
6. Tejas M. Dhameliya,* Neha R. Raghani, Meet S. Desai, Shraddhaba J. Chudasma, and Kumkum D. Virani, "The Synthesis of Nitrogen- and Oxygen-Containing Heterocyclic Scaffolds Assisted by Ionic Liquids: A 2022 Literature Survey", *Synlett* **2023**, DOI: 10.1055/a-2201-7705 <https://doi.org/10.1055/a-2201-7705> In press, **IF: 2.0 Cited 1 time**
7. Tejas M. Dhameliya,* Deepika Kathuria,* Tanvi M. Patel, Bhavarth P. Dave, Amit Z. Chaudhari and Drashtiben D. Vekariya, "A Quinquennial Review on Recent Advancements and Developments in Search of Anti-malarial Agents" *Curr. Top. Med. Chem.* **2023**, 23, (9), 753-790. <https://doi.org/10.2174/1568026623666230427115241> **IF: 3.4 Cited 6 times**
8. Tejas M. Dhameliya,* Drashtiben D. Vekariya, Heta Y. Patel, Janvi T. Patel, "Comprehensive Coverage on Anti-mycobacterial Endeavour Reported in 2022" *Eur. J. Med. Chem.* **2023**, 255, 115409. <https://doi.org/10.1016/j.ejmech.2023.115409> **IF: 6.7 Cited 3 times**
9. Bhavarth P. Dave, Kashvi C. Shah, Maitri B. Shah, Mehul R. Chorawala*, Vishvas N. Patel, Palak A. Shah, Gaurang B. Shah, Tejas M. Dhameliya, "Unveiling the modulation of Nogo Receptor in Neuroregeneration and plasticity: Novel aspects and future horizon in a new frontier" *Biochem. Pharmacol.* **2023**, 210, 115461. <https://doi.org/10.1016/j.bcp.2023.115461> **IF: 5.8 Cited 1 time**
10. Kashvi C. Shah, Maitri B. Shah, Sakshi J. Solanki, Vikas D. Makwana, Dipen K. Sureja, Anuradha K. Gajjar, Kunjan B. Bodiwala, Tejas M. Dhameliya,* "Recent Advancements and Applications of Raman Spectroscopy in Pharmaceutical Analysis" *J. Mol. Struct.* **2023**, 1278, 134914, <https://doi.org/10.1016/j.molstruc.2023.134914> **IF: 3.8 Cited 11 times**
11. Tejas M. Dhameliya,* Rutvi J. Patel, Rajvi H. Amin, Dipen K. Sureja, Kunjan B. Bodiwala, "Comprehensive Review on Metal Nanoparticles Catalyzed Synthesis of Aza- and Oxa-Heterocycles Reported in 2021" *Mini-Rev. Org. Chem.* **2023**, 20 (08), 800-817. <https://doi.org/10.2174/1570193X19666220823101118> **IF: 2.3 Cited 7 times**
12. Shrdhaba J. Chudasma, Bhavya J. Shah, Khushi M. Patel, and Tejas M. Dhameliya,* "The Spotlight Review on Ionic Liquids Catalyzed Synthesis of Aza- and Oxa-Heterocycles Reported in 2021" *J.*

- Mol. Liq.* **2022**, 361, 119664. <https://doi.org/10.1016/j.molliq.2022.119664> IF: 6.0 Cited 14 times
13. Asim Kumar,* Tejas M. Dhameliya,* Kirti Sharma, Krupa A. Patel, and Rajvi V. Hirani, "Environmentally Benign Approaches towards the Synthesis of Quinolines" *ChemistrySelect* **2022**, 7 (22), e202201059. <https://doi.org/10.1002/slct.202201059> IF: 2.1 Cited 9 times
 14. Tejas M. Dhameliya,* Aanal A. Devani, Krupa A. Patel and Kashvi C. Shah, "Comprehensive Coverage on Anti-mycobacterial Endeavour Reported in 2021" *ChemistrySelect* **2022**, 7 (19), e202200921. <https://doi.org/10.1002/slct.202200921> IF: 2.1 Cited 13 times
 15. Asim Kumar,* Tejas M. Dhameliya,* Kirti Sharma, Krupa A. Patel, Rajvi V. Hirani, and Aditi J. Bhatt, "Sustainable Approaches towards the Synthesis of Quinoxalines: An Update" *J. Mol. Struct.* **2022**, 1259, 132732. <https://doi.org/10.1016/j.molstruc.2022.132732> IF: 3.8 Cited 9 times
 16. Tejas M. Dhameliya,* Shrddhaba J. Chudasma, Tanvi M. Patel, and Bhavarth P. Dave, "A Review on Synthetic Account of 1,2,4-Oxadiazoles as Anti-infective Agents" *Mol. Divers.* **2022**, 26, 2967-2980. <https://doi.org/10.1007/s11030-021-10375-4> IF: 3.8 Cited 37 times
 17. Tejas M. Dhameliya,* Prinsa R. Nagar, Kaushikkumar A. Bhakhar, Hevankumar R. Jivani, Bhavya J. Shah, Khushi M. Patel, Vaishnavi S. Patel, Archita H. Soni, Lipi P. Joshi and Normi D. Gajjar, "Recent Advancements in Applications of Ionic Liquids in Synthetic Construction of Heterocyclic Scaffolds: A Spotlight" *J. Mol. Liq.* **2022**, 348, 118329. <https://doi.org/10.1016/j.molliq.2021.118329> IF: 6.0 Cited 37 times
 18. Sai H. S. Boddu,* Prakash Bhargav, Pradeep Karla*, Shery Jacob, Mansi D. Adatiya, Tejas M. Dhameliya, Ketan M. Ranch, Amit K. Tiwari, "Polyamide/Poly(amino acid) Polymers For Drug Delivery" *J. Funct. Biomater.* **2021**, 12 (4), 58. <https://doi.org/10.3390/jfb12040058> IF: 4.8 Cited 18 times
 19. Kaushikkumar A. Bhakhar, Dipen K. Sureja, and Tejas M. Dhameliya,* "Synthetic Account of Indoles in Search of Potential Anti-mycobacterial Agents: A Review and Future Insights" *J. Mol. Struct.* **2022**, 1248, 131522. <https://doi.org/10.1016/j.molstruc.2021.131522> IF: 3.8 Cited 23 times
 20. Tejas M. Dhameliya,* Kaushikkumar A. Bhakhar, Normi D. Gajjar, Krupa A. Patel, Aanal A. Devani, Rajvi V. Hirani, "Recent Advancements and Developments in Search of Anti-tuberculosis Agents: A Quinquennial Update and Future Directions" *J. Mol. Struct.* **2022**, 1248, 131473. <https://doi.org/10.1016/j.molstruc.2021.131473> IF: 3.8 Cited 25 times
 21. Tejas M. Dhameliya,* Hiren A. Donga, Punit V. Vaghela, Bhoomi G. Panchal, Dipen K. Sureja, Kunjan B. Bodiwala, and Mahesh T. Chhabria, "A Decennary Update on Applications of Metal Nanoparticles (MNPs) in the Synthesis of Nitrogen or Oxygen Containing Heterocyclic Scaffolds" *RSC Adv.* **2020**, 10 (54), 32740-32820. <https://doi.org/10.1039/D0RA02272A> IF: 3.9 Cited 58 times
 22. Pradeep S. Jadhavar, Maulikkumar D. Vaja, Tejas M. Dhameliya and Asit K. Chakraborti,* "Oxazolidinones as Anti-tubercular Agents: Discovery, Development and Future Perspectives," *Curr. Med. Chem.* **2015**, 22 (38), 4379-4397. <https://doi.org/10.2174/0929867323666151106125759> IF: 4.1 Cited 62 times

Conference Abstract

1. Kaushikkumar A. Bhakhar, Punit V. Vaghela, Saiprasad D. Varakala, Shrddhaba J. Chudasma, Normi D. Gajjar, Prinsa R. Nagar, Dharmarajan Sriram, and Tejas M. Dhameliya,* "Indole-2-carboxamides as New Anti-Mycobacterial Agents: Design, Synthesis, Biological Evaluation and

Molecular Modeling against mmpL3" *Malaysian Journal of Medicine and Health Sciences* **2024**, 20, Supp 2, January 2024 (eISSN 2636-9346) **IF: 1.4**

2. Rishu Tiwari, Tejas M. Dhameliya, Asit K. Chakraborti, and Dulal Panda, "A Benzimidazole Carboxamide Derivative, DDB-506 Inhibits Bacterial Proliferation by Targeting FtsZ" *FASEB J.* **2018**, 32 (51), 810.10. https://doi.org/10.1096/fasebj.2018.32.1_supplement.810.10 **IF: 4.8**

Book Chapter: Total 5

1. Kashvi C. Shah, Kashish Verma, Jeel D. Trivedi, Shreeja H. Mehta, Sanjeev Kumar, Tejas M. Dhameliya,* and Deepika Kathuria, "Natural Products for Cosmeceuticals", in *Bioprospecting of Natural Sources for Cosmeceuticals*, Ed. Deepika Kathuria, Ajay Sharma, Meenakshi Verma, Gulzar Ahmad Nayik, **2024**, Royal Society of Chemistry, UK, pp 1-17 <https://doi.org/10.1039/9781837672288-00001> ISBN: 9781837670468 (Print), 9781837672288 (Online)
2. Taruna Grover, Rishita J. Chauhan, Anuradha K. Gajjar, Tejas M. Dhameliya, and Maulikkumar D. Vaja, "Impact of Green Approaches in Pharmaceutical Industries," in *Sustainable Approaches in Pharmaceutical Sciences*, Ed. Kamal Shah, Durgesh N. Chauhan and Nagendra S. Chauhan, **2023**, Wiley Oxford UK, pp 65-90 <https://doi.org/10.1002/9781119889878.ch4> ISBN: 9781119889847 (Print), 9781119889878 (Online)
3. Bhavya J. Shah, Khushi M. Patel and Tejas M. Dhameliya,* "Ionic Liquids: Fundamental, Properties and Classifications" in *Ionic Liquids: Eco-friendly Substitutes for Surface and Interface Applications*, Ed. Chandrabhan Verma 2023, Bentham Science Publisher, pp 1-15 <https://doi.org/10.2174/9789815136234123010005>
4. Yesha B. Shah, Priya S. Mistry, Tejas M. Dhameliya,* Ketan M. Ranch, Sai H. S. Boddu,* Shery Jacob, Mahalakshmi B, and Jwala Renukuntla, "Tuberculosis: Current Treatment Options and Future Scope," in *Tubercular Drug Delivery Systems: Advances in Treatment of Infectious Diseases*, Ed. Ranjita Shegokar and Yashwant V. Pathak **2023**, ISBN 978-3-031-14099-0, eBook ISBN 978-3-031-14100-3, Springer Nature, pp 89-77 https://doi.org/10.1007/978-3-031-14100-3_4 **Cited 2 times**
5. Tejas M. Dhameliya,* Rutvi J. Patel, Normi D. Gajjar, Rajvi H. Amin, Kunjan B. Bodiwala and Dipen K. Sureja, "Recent Trends in Metal Nanoparticles (MNPs) Catalyzed Synthesis of Aza- and Oxa-Heterocycles," in *Advanced Nanocatalysis for Organic Synthesis and Electroanalyses*, Ed. Vijai K. Rai, Manorama Singh and Ankita Rai **2022**, ISBN 978-981-5040-17-3 (Print), ISBN 978-981-5040-16-6 (Online), Bentham Science Publisher, pp 114-157. <https://doi.org/10.2174/9789815040166122010009> **Cited 2 times**

Patents Granted (2)

1. Hiren A. Donga, Tejas M. Dhameliya, Mahesh T. Chhabria. "**7H-Pyrrolo[2,3-d]pyrimidine-5-carbonitrile and derivatives**," Indian Patent Grant No. 510344; Grant Date: 13-02-2024 Indian Patent Application No. IN 201921020789 filed on 2019/05/25 (IP11865/CBR)
2. Asit K. Chakraborti, Sahaj Pancholia, and Tejas M. Dhameliya, "**N-Arylbenzo[d]thiazole-2-carboxamides as Anti-tubercular Agents**," Indian Patent Grant No. 494791; Grant Date: 05-01-2024 Indian Patent Application No. IN 2017110110231 filed on 2017/03/23 (IP36982/CBR)

Thematic Bulletin

1. Asim Kumar, Tejas M. Dhameliya, and Asit K. Chakraborti,* "Mass Spectrometry: A Versatile Tool for Drug Discovery," IANCAS (Indian Association of Nuclear Chemists And Scientists) Thematic Bulletin on Mass Spectrometry, **2016**, XIII, 63-69

Preprints Total: 1

1. Tejas M. Dhameliya, Rishu Tiwari, Arkaprabha Banerjee, Sahaj Pancholia, Dharmarajan Sriram, Dulal Panda, and Asit K. Chakraborti,* "Benzo[d]thiazole-2-carboxamides/carbanilides as New Anti-TB Chemotypes Inhibiting the Mycobacterial ATP-Phosphoribosyl Transferase (HisG)," SSRN, **2022**, <http://dx.doi.org/10.2139/ssrn.4129366>

Research Grants Obtained: Total: 10 (25.5 Lakhs INR)

([†]In collaboration with other faculty of the Institute/Department)

1. "Lead Optimization of Heterocyclic Scaffolds as Anti-malarial agents," – 2,00,000 INR received from Nirma University, Ahmedabad during Apr 2024-Mar 2026 (Ref. No. NU/DRI/MinResPrj/IP/2024-26/143) to Dr. Tejas M. Dhameliya (PI) along with Dr. Vivek K. Vyas (Co-PI) and Dr. Gopal Natesan (Mentor)
2. "Design and Development of Anti-cancer Heterocyclic Scaffolds as Type I DNA Topoisomerase (Topo 1) inhibitors" 18,30,000 INR received in collaboration with Dr. Sivapriya Kirubakaran, Asso. Prof., Discipline of Chemical Science, Indian Institute of Technology, Gandhinagar (IIT-Gn) from Science & Engineering Research Board (SERB), Department of Science and Technology, Government of India in the form of Teachers Associateship for Research Excellence (TARE)
3. "Design and Synthesis of Indole-2-carboxamides in search of Potential Antimalarial Agents," – 2,00,000 INR received from Student Start-up Innovation Policy (SSIP 2.0), Nirma University, since May 2023 (Ref. STS131) to Ms. Hely Shah (21BPH037), Mr. Prit Savaliya (21BPH077), Mr. Priyansh Rastogi (21BPH079) and Ms. Vidhisha Savaliya (21BPH109).
4. "Design, Synthesis & Evaluation indole-2-carboxamide as potent anti-TB agent," – 25,000 INR received from Student Start-up Innovation Policy (SSIP 2.0), L. M. College of Pharmacy, Gujarat state since Apr 2023 (Ref. No. 2622/2023) to Mr. Kaushikkumar A. Bhakhar
5. "Design, Synthesis, Optimization and Biological Evaluation of Benzothiophene-2-carboxamides as Potential Anti-plasmodial agents," – 70,000 INR received from Nirma University, Ahmedabad during Apr 2023-Mar 2024 (UID No.: P/2023-24/66) along with Dr. Vivek K. Vyas (Co-PI) and Dr. Hardik G. Bhatt (Mentor)
6. "In Search of SARS CoV-2 Inhibitors: Molecular Modelling Inspired Design, Synthesis and Biological Evaluation," – 35,000 INR received from Student Start-up Innovation Policy (SSIP), Gujarat state during Aug 2020-Jun 2021 (Ref. No. 411/2020) to Ms. Prinsa R. Nagar
7. "Design and Synthesis of Indole-2-carboxamides as Potential Anti-TB Agents," – 25,000 INR received from Student Start-up Innovation Policy (SSIP), Gujarat state during Aug 2020-Jun 2021 (Ref. No. 412/2020) to Mr. Kaushikkumar A. Bhakhar
8. "In Search of N-arylalkyl Indole-2-Carboxamides as Potential Anti-TB agents: Design, Synthesis and Biological Evaluation," – 30,000 INR received from Student Start-up Innovation Policy (SSIP), Gujarat state during Aug 2019-Jun 2020 (Ref. No. 46/2020) to Mr. Punit V. Vaghela
9. [†]"Design, Synthesis and Evaluation of Some New substituted Pyrimidine Derivatives as Anticancer Agents," - 60,000 INR received from Student Start-up Innovation Policy (SSIP), Gujarat state during Mar 2018-Mar 2019 (Ref. No. 203/2020) to Mr. Ravi Patel

10. ¶“Pyrrolo[2,3-d]pyrimidine as New Derivatives for Potential Anti-cancer Agents: Design, Synthesis and Biological Evaluation,” – 75,000 INR received from Student Start-up Innovation Policy (SSIP), Gujarat state during Mar 2018-Mar 2019 (Ref. No. 193/2020) to Mr. Hiren A. Donga

Travel Grants Obtained: Total: 3 (4.21 Lakhs)

1. Financial assistance of Rs. 70,333 INR (visa, registration and return air-fare) to attend "International Conference on Drug Discovery and Translational Medicine 2023 (ICDDTM'23)" held at Mines Beach Resort, Selangor (Malaysia) during Dec 05-06, 2023 through **ICMR-International Travel Grant** from Indian Council of Medical Research (ICMR), New Delhi
2. Financial assistance of Rs. 9,750 (registration and travelling) to attend "International Conference on New Horizons in Drugs, Devices & Diagnostics" organized by National Institute of Pharmaceutical Education and Research (NIPER), Hyderabad at Kanha Shanti Vanam, Hyderabad during Sept 14-16, 2023 through **Travel Support** from Institute of Pharmacy, Nirma University, Ahmedabad
3. Financial assistance of Rs. 3,42,988 (visa, registration and return air-fare) to attend ACS Fall 2022 held in Chicago (USA) during Aug 21-25, 2022 through **International Travel Support (ITS)** from Department of Science and Technology (DST)-Science Engineering Research Board (SERB)

Research Guidance: Ph.D.: In Persuasion: 1; M.Pharm.: Degree Awarded: 7;

(¶In collaboration with other faculty of the Institute/Department)

Doctorate Level: Total 01 (In Persuasion)

1. ¶Title: "Application of modern analytical techniques in development and characterization of complex injectable therapeutics" – Ph.D. degree in Persuasion by Mr. Kinalkumar P. Shah (Enrollment No. 23PTPHDP143) since Aug **2023** (Part-time)

Masters Level: Total 07

1. ¶Title: "Indole-2-carboxamides as Potential Anti-malarial Agents: Design, synthesis and Biological evaluation," - M.Pharm. degree awarded to Ms. Drashtiben D. Vekariya (Enrollment No. 212280822006) in June **2023**
2. Title: "Molecular Modelling Inspired Design and Synthesis of 1,2,4-Oxadiazoles In search of SARS CoV-2 Inhibitors," - M.Pharm. degree awarded to Ms. Shrddhaba J. Chudasma (Enrollment No. 202280822007) in May **2022**
3. Title: "In Silico Design, Synthesis and Evaluation of N-aryl/alkyl Indole-2-carboxamides Targeting mmpL3 in Search of Potential Anti-mycobacterial Agents" - M.Pharm. degree awarded to Mr. Kaushikkumar A. Bhakhar (Enrollment No. 192280822001) in July **2021**
4. Title: "In search of SARS CoV-2 Inhibitors: Molecular Modelling Inspired Design, Synthesis and Biological Evaluation," - M.Pharm. degree awarded to Ms. Prinsa R. Nagar (Enrollment No. 192280822003) in July **2021**
5. Title: "Design and Synthesis of Indole-2-carboxamides as Potential Anti-TB Agents," - M.Pharm. degree awarded to Mr. Punit V. Vaghela (Enrollment No. 182280822005) in Sept **2020**
6. ¶Title: "Pyrrolo[2,3-d]pyrimidine as New Derivatives for Potential Anti-cancer Agents: Design, Synthesis and Biological Evaluation," - M.Pharm. degree awarded to Mr. Hiren A. Donga (Enrollment No. 172280822002) in June **2019**

7. **Title:** “Design, Synthesis and Evaluation of Some New substituted Pyrimidine Derivatives as Anticancer Agents,” - M.Pharm. degree awarded to Mr. Ravi G. Prajapati (Enrollment No. 172280822005) in June **2019**

Bachelors Level: Total 11

1. **Title:** “Design and Development of Anti-plasmodial Agents through In Silico Molecular Modeling,” - B.Pharm. in persuasion by Prit D. Savaliya (20BPH077), Priyansh Rastogi (20BPH078), Vidhisha N. Savaliya (20BPH109) since June **2023**
2. **Title:** “Market Survey of Oral Contraceptives with Special Perspectives,” - B.Pharm. degree awarded to Ms. Sneha N. Gorania (19BPH101), Mr. Om D. Mirani (20BPH131), Mr. Dhvanil V. Radadiya (19BPH034), Mr. Jaydeepkumar G. Jadav (19BPH051), Mr. Marmik A. Kansara (19BPH074) in May **2023**
3. **Title:** “Finished Product Quality Control Test for Diclofenac Sodium Tablet,” - B.Pharm. degree awarded to Ms. Sakshi J. Solanki (Enrollment No. 202280822007) in May **2022**
4. **Title:** “Recent Advancements on Applications of Imidazolium-based Ionic Liquids in the Synthesis of Heterocyclic Scaffolds,” - B.Pharm. degree awarded to Mr. Neel R. Patel (Enrollment No. 172280822094) in May **2021**
5. **Title:** “Recent Advancements on Applications of Imidazolium-based Ionic Liquids in the Synthesis of Heterocyclic Scaffolds,” - B.Pharm. degree awarded to Mr. Hevankumar R. Jivani (Enrollment No. 172280822083) in May **2021**

Honors, Awards and Appreciations to Research Scholars

- IASc-INSA-NASI Summer Research Fellowship 2024 to Ms. Hely S. Shah (21BPH037) at School of Natural Sciences, Shiv Nadar University, Tehsil Dadri under the direct supervision of Prof. Parthapratipram Munshi for 56 days in June to July 2024.
- GFPS scholar (Best Review Paper) Award to Ms. Shrddhaba J. Chudasma (M.Pharm.) by Gujarat Forum of Pharmacy Students (GFPS), Ahmedabad on Mar 05, 2023
- Charpak Lab Fellowship 2022 to Ms. Normi D. Gajjar to pursue research work at Laboratoire de Chimie de Coordination (LCC) du CNRS UPR8241 and in the team V Inserm ERL 1289 Equipe “Nouvelles molécules antipaludiques et approches pharmacologiques” from May 12, 2022 to July 12, 2022 under the direct supervision of Dr. Michael Baltas, Director, CNRS, Toulouse France. This fellowship was awarded by the Embassy of France in India along with the student visa

International and National Collaborations

Developed strong collaboration with some colleagues. Such groups are headed by

- Dr. Sivapriya Kirubakaran, Asso. Prof., IIT-Gandhinagar
- Dr. Chandrakumar Appayee, Asso. Prof., IIT-Gandhinagar
- Dr. Michael Baltas, Director, Laboratoire de Chimie de Coordination (LCC) du CNRS, Toulouse, France
- Dr. Deepika Kathuria, Asst. Prof., University Centre for Research and Development, Chandigarh University, Punjab
- Dr. Asim Kumar, Asst. Prof., School of Pharmacy, Amity University, Gurgaon, Haryana
- Dr. Dipen K. Sureja, Asso. Prof., L. M. College of Pharmacy, Ahmedabad
- Dr. Kunjan B. Bodiwala, Asst. Prof., L. M. College of Pharmacy, Ahmedabad

- Mr. Uday G. Vegad, Asst. Prof., Graduate School of Pharmacy, Gujarat Technological University, Ahmedabad

Research Group Members

Current group:

1. [Kinalkumar P. Shah](#) (Ph.D., 2023 onwards)
2. [Hely S. Shah](#) (B.Pharm., 2021-2025)
3. [Devarsh Sutariya](#) (B.Pharm., 2021-2025)
4. [Ankita Menon](#) (B.Pharm., 2021-2025)
5. [Priyansh Rastogi](#) (B.Pharm., 2020-2024)
6. [Prit D. Savaliya](#) (B.Pharm., 2020-2024)
7. [Vidhisha N. Savaliya](#) (B.Pharm., 2020-2024)

Following Pharm.D. and B.Pharm. students voluntarily become the part of the group to involve in one or more than one on-going works from this laboratory:

1. [Normi D. Gajjar](#) (Pharm.D., 2017-2023)
2. [Khushi M. Patel](#) (Pharm.D., 2017-2023)
3. [Bhavva J. Shah](#) (Pharm.D., 2017-2023)
4. [Bhavarth P. Dave](#) (Pharm.D., 2018-2024)
5. [Tanvi M. Patel](#) (Pharm.D., 2018-2024)
6. [Yesha B. Shah](#) (Pharm.D., 2018-2024)
7. [Priya S. Mistry](#) (Pharm.D., 2018-2024)
8. [Kashvi C. Shah](#) (Pharm.D., 2018-2024)
9. [Maitri B. Shah](#) (Pharm.D., 2018-2024)
10. [Manal A. Shah](#) (Pharm.D., 2018-2024)
11. [Parv A. Patel](#) (Pharm.D., 2018-2024)
12. [Aayushi C. Shah](#) (Pharm.D., 2019-2025)
13. [Kumkum D. Virani](#) (Pharm.D., 2019-2025)
14. [Khushi R. Patel](#) (Pharm.D., 2019-2025)
15. [Pooja R. Bhatt](#) (Pharm.D., 2019-2025)
16. [Shelly Bhatt](#) (Pharm.D., 2019-2025)
17. Hetvi A. Bharadia (Pharm.D., 2018-2025)
18. [Devalben K. Rana](#) (Pharm.D., 2018-2025)
19. [Jainam K. Shah](#) (Pharm.D., 2019-2025)
20. [Diya S. Patel](#) (Pharm.D., 2019-2025)
21. [Akshada S. Dabhade](#) (Pharm.D., 2019-2025)

Alumni:

1. [Drashtiben D. Vekariya](#) (M.Pharm., 2021-2023)
2. [Shrddhaba J. Chudasma](#) (M.Pharm., 2020-2022)
3. [Kaushikkumar A. Bhakhar](#) (M.Pharm., 2019-2021)
4. [Prinsa R. Nagar](#) (M.Pharm., 2019-2021)
5. [Punit V. Vaghela](#) (M.Pharm., 2017-2021)
6. [Ravi G. Prajapati](#) (M.Pharm., 2017-2019)
7. [Hiren K. Donga](#) (M.Pharm., 2017-2019)
8. [Aanal A. Devani](#) (Pharm.D., 2017-2023)
9. [Rutvi J. Patel](#) (Pharm.D., 2017-2023)

10. [Aditi J. Bhatt](#) (Pharm.D., 2017-2023)
11. [Krupa A. Patel](#) (Pharm.D., 2017-2023)
12. [Rajvi H. Amin](#) (Pharm.D., 2017-2023)
13. [Rajvi V. Hirani](#) (Pharm.D., 2017-2023)
14. [Mansi D. Adatiya](#) (Pharm.D., 2017-2023)
15. [Vaishnavi S. Patel](#) (Pharm.D., 2017-2023)
16. [Archita H. Soni](#) (Pharm.D., 2017-2023)
17. [Lipi P. Joshi](#) (Pharm.D., 2017-2023)
18. [Tarun Kachroo](#) (B.Pharm. 2019-2023)
19. [Nidhi C. Lad](#) (B.Pharm. 2019-2023)
20. [Vikas D. Makwana](#) (B.Pharm. 2019-2023)
21. [Sakshi Solanki](#) (B.Pharm., 2018-2022)
22. [Hevankumar A. Jivani](#) (B.Pharm., 2017-2021)

Membership of Professional Bodies

1. Indian Society of Technical Education, Life Member (ID: LM137380)
2. American Chemical Society (ACS), Premium Member (ID: 30872850)

Reviewer of International Journals

Eur. J. Med. Chem., Polycyl. Aroma. Comp., J. Phys. Chem. Solids, RSC Adv., J. Catal., Appl. Surface Sci. Adv., ChemistrySelect, Res. Chem. Intermed., SN Appl. Sci., Struct. Chem., Arch. Pharm., Mol. Divers., SAR and QSAR in Environ. Res., Int. J. Environ. Sci. Technol., J. Braz. Chem. Soc., J. Fluor. Chem.

Brief Details of Graduate, Postgraduate and Ph.D. and on-going research works

Dr. Tejas M. Dhameliya has completed B. Pharm. From L. M. College of Pharmacy (LMCP), Ahmedabad in 2012 and M.S. (Pharm.) from Department of Medicinal Chemistry in June 2014 from National Institute of Pharmaceutical Education and Research (NIPER), S.A.S. Nagar, India. During his M.S. (Pharm.). He carried out his project work under the direct supervision of Prof. Asit K. Chakraborti on 'Design and Synthesis of Novel Benzothiazoles as Potential Anti-tubercular Agents'. His thesis has been awarded at National level by the award of **Rajnibhai V. Patel PharmInnova Award** for the most **"Innovative Thesis"** in M. Pharm. (Pharmaceutical Chemistry) category in Pharmaceutical Sciences 2014-15 jointly organized by Troikaa Pharmaceutical Ltd., Ahmedabad; Department of Science and Technology (DST), New Delhi and LMCP, Ahmedabad. Later, he joined as a Ph.D. research scholar under the guidance of Prof. Asit K. Chakraborti in July 2014 in NIPER, S.A.S. Nagar to pursue his career in research and drug discovery.

He has worked as Asst. Prof. at LMCP, Ahmedabad during Aug 2017 to Jan 2023 and moved to Institute of Pharmacy, Nirma University, Ahmedabad in Jan 2023. With *h*-index of 18, *i*-10 index of 22, he has published a total of 20 research and 21 review articles in international peer reviewed journals of high impact, and two patents have been granted by Indian Patent office. He has guided seven M.Pharm. students for their dissertations. He has been the recipient of financial assistance to attend international conferences from DST-Science Engineering Research Board (SERB), Indian Council of Medical Research (ICMR), Nirma University, etc. He has also received a total of ten grants of worth 25.5 Lakh rupees from Science & Engineering Research Board (SERB)-Department of Science and Technology (DST), Student Start-up Innovation Policy (SSIP), Gujarat and Nirma University, Ahmedabad. His area for research includes development of anti-TB, anti-cancer agents, SARS CoV-2 inhibitors, anti-malarial agents using

green methodologies of synthesis adopting water, nano-particles and ionic liquid; molecular modeling such as 3D-QSAR, docking, ADMET, molecular dynamics simulations and quantum chemical calculations or density functional theory.

Skills of Research, Teaching, Education and Management

- **Technical skills:** Expertise in carrying out various organic synthesis reactions including catalyst screening, setup of reaction on daily basis, optimization of reaction, methodology development, scale up reaction from milligram to gram scale, multi-step synthesis of organic molecules, handling of reaction in inert and dry conditions, standardization of reaction, synthesis of molecules using microwave synthesizer (CEM). Identification of mechanistic insight using NMR, IR, MS-MS, GC-MS, deuterium experiments, Kinetic Isotopic Effects (KIE). Reactions performed: nitration, Suzuki-Miyaura coupling, nano catalysis, DCC/CDI/ionic liquid amidation, protecting group strategies, reduction, aldol reactions, cyclocondensation and Wittig reaction
- **Separation techniques:** Purification of organic compounds using crystallization, distillation and different chromatographic techniques like column chromatography, preparative thin layer chromatography, high performance liquid chromatography (HPLC) and flash chromatography
- **Structure elucidation:** Adept at structural characterization of synthesized compounds using FT-IR, ^1H NMR (400 or 500 MHz), ^{13}C NMR (100 MHz), elemental analysis and mass spectroscopy (LCMS/LCQ-MS/GCMS/MALDI-TOF-TOF/HRMS). Pretty good command on NMR plotting softwares such as Topspin 3.5, MesroNova and ACD LABS 12.0.
- **Computational skills:** Practical exposure to Schrodinger Maestro 9.1 in handling molecular docking using Glide, AutoDock Tools 4.2, AutoDock Vina and its 3D-representation by PyMol, Avogadro, LigPlot. Practical exposure to Tripos SYBYL 7.1 in 3D-QSAR such as CoMFA, DFT calculations using Gaussian 09, orbital overlapping interactions by Chemcraft 1.8, molecular dynamics simulations using GROMACS 2020.1 and Synergy (CEM) microwave software
- **Scientific writing:** Experience of writing scientific information in review (*Curr. Med. Chem.* and *RSC Adv.*), research articles *J. Org. Chem.*, *Chem. Commun.*, *Org. Lett.*, *J. Med. Chem.*, *Med. Chem. Commun.*, *ACS Med. Chem. Lett.*, *Eur. J. Med. Chem.*, *Bioorg. Med. Chem.*, *Bioorg. Med. Chem. Lett.*, *Bioorg. Chem.*
- **Patent database search:** Google Patents and SciFinder (Markush search)
- **Non patent literature search:** Literature review and search of organic molecules through PubMed, PDB, Medline, Science Direct, Scopus, Google scholar, SciFinder, Spresi Web etc.
- **Computer skills:** Proficient in basic and advances computer proficiency like MS office (Word, Excel, PowerPoint, Publisher, etc.), reference management softwares like EndNote Plus, Mandeley Desktop, ChemDraw and Prezi Desktop acquired by writing thesis, research articles, plotting computational results, presenting oral presentations and making poster presentations. Proficient in using Adobe Photoshop for scientific purpose. Skilled for updating and editing of websites using Google Sites and Weebly websites
- **Organizational/managerial skills:** Indentor for indenting laboratory reagents, chemicals, solvents, etc. for establishing functional/working laboratory, Volunteer of scientific committee and stage management committee of the 'International Symposium on Recent Advances in Medicinal Chemistry 2014 (ISRAM-2014)' held at NIPER, S.A.S. Nagar (Mohali) during September 8-10, 2014 and organizing committee member of 'CHEMOPHILE', weekly departmental seminar activity conducted by the Department of Medicinal Chemistry, NIPER, Mohali, 2013-14
- **Subjects taught as per Nirma University/ GTU/ PCI syllabus:**

- Pharmaceutical Analysis (BP102T, Theory) (B.Pharm.-Sem I)
- Pharmaceutical Organic Chemistry II (BP301T-Theory) (B.Pharm.-Sem III)
- Biochemistry (BP309T-Theory and BP310P-Practical) (B.Pharm.-Sem III)
- Pharmaceutical Organic Chemistry III (BP401T-Theory) (B.Pharm.-Sem IV)
- Medicinal Chemistry I (BP402T-Theory and Practical) (B.Pharm.-Sem IV)
- Pharmacognosy and Phytochemistry I (BP405T-Theory and Practical) (B.Pharm.-Sem IV)
- Medicinal Chemistry I (BP601T) (B.Pharm.-Sem VI)
- Pharmaceutical Organic Chemistry (PD104, Theory and Practical) (Pharm.D.-First Year)
- Pharmaceutical Inorganic Chemistry (PD103, Theory) (Pharm.D.-First Year)
- Medicinal Biochemistry (Theory) (PD102, Pharm.D.-First Year)
- Medicinal Chemistry (PD105, Theory and Practical) (Pharm.D.-Third Year)
- Modern Analytical Techniques (MAT101T, Theory) (M.Pharm.-Sem I)
- Advanced Organic Chemistry I (MPC102T, Theory) (M.Pharm.-Sem I)
- Advanced Pharmaceutical Analysis (MPA102T, Theory) (M.Pharm.-Sem I)
- Regulatory Affairs in Drugs and Cosmetics (MRA201T, Theory) (M.Pharm.-Sem II)
- Computer Assisted Drug Design (MPC203T, Theory) (M.Pharm.-Sem II)
- Principles of Drug Discovery (MPL203T, Theory) (M.Pharm.-Sem II)
- Pharmaceutical Process Chemistry (MPC204T, Theory) (M.Pharm.-Sem II)
- Pharmaceutical Chemistry Practical II (MPC205P, Practical-6) (M.Pharm.-Sem I)
- Research Methodology and IPR (MRM301T, Theory) (M.Pharm.-Sem III)
- **Experience of various institutional committees:**
 - A. Institute of Pharmacy, Nirma University, Ahmedabad**
 - Competition (Jan 2024-presnet), Hostel Inspection (Nov 12, 2023), Yoga (Jan 2023-present), Academics and time table committee (June 2023-present), Radiance 2023 (Mar 2023), Institute-brochure committee (Jan 2023), Board of Studies (BoS, Jan 2023-present), Alumni committee (Mar 2023), Attendance Committee (June 2023-present), Criterion III Committee, NBA Compliance and Inspection (Mar 18, 2023)
 - B. L. M. College of Pharmacy, Ahmedabad**
 - Academic Committee, Extra-curricular activates (Sports), GPAT-NIPER committee, Examination committee (Internal, External and Non-University Examination-NUE), Advertisement and media Committee, ACPC Help center committee (Admission to B.Pharm., D.Pharm., M.Pharm., M.E. and M.Tech. programmers), GTU Help center committee (Admission to Pharm.D. programme), Course co-coordinator for Medical Sales Representative under Pradhan Mantri Kaushal Vikas Yojna 2018-19 sponsored by AICTE, Co-editor of LMCP Newsletter Editorial Board, Institutional Innovational Council (IIC) committee, Hostel Welfare Committee, Research Committee, Institute ranking frame work committee (NIRF, GSIRF, ARIIA), Class Coordinator of Pharm.D. Batch 2021
 - Experience of working on consultancybased projects at LMCP, Ahmedabad (Dec 1, 2017 onwards)
 - Experience of working as external examiner in GTU based examination for subjects (Inorganic chemistry, Medicinal chemistry, Pharmaceutical analysis) and other universities including Appejay Satya University, Sumandeep University.
- Experience of conducting or organizing various institutional events at
 - A. Institute of Pharmacy, Nirma University, Ahmedabad**
 - Coordinator, Nirmaquest'24 (Mar 19, 2024)

- Coordinator, One day workshop on “Computer Aided Drug Design Software” supported by Advent Informatics Pvt. Ltd., Pune on Feb 17, 2024
- Member, Scientific committee and Hospitality committee, 7th NIPiCON International Conference “NIPiCON 2024 - NextGen Therapeutics: Multidisciplinary Research Approaches for Drug Development and Delivery” Ahmedabad during Feb 07-09, 2024
- Member, Discipline committee, Convocation 2023 (Nov 04, 2023)
- Member, Valedictory/ prize distribution/ certificate Committee, Rostrum 2023 (*Vibrant Vista*) during Oct 28-29, 2023
- Member, Catering committee, Foundation Day on Sept 30, 2023
- Member, Food, transportation, stage management, certificate committee, Faculty development Program 2023 on “Integration of Sustainable Practices in Pharmaceutical Industries and Public Health” during Jul 10-21, 2023
- Annual Get-together program on March 31, 2023
- Member, Certificate committee, NIRMAQUEST 2023 on Mar 03, 2023
- Judge, Dance Competition, Euphoria 2023 (Mar 04, 2023)
- Member, Workshop on “Computer Aided Drug Design Software” on February 23, 2023 Organized by Department of Pharmaceutical Chemistry
- Member, NUZEAL 2023 and Spic Macay (Feb 13-16, 2023)
- Member, Scientific and Online Program Coordination Committee, 2nd NIRMA e-Conference for International Connect (NCIC) – 2023, “Recent Advances in Nanotechnology: Drug Discovery & Therapeutics,” during Jan 24 – 25, 2023

B. L. M. College of Pharmacy, Ahmedabad

- Coordinator, GSPC Sponsored Refresher Course for Registered Pharmacists organized during Dec 03-04, 2022
- Coordinator, Webinar on “AI in Education: Opportunities and Scope” jointly organized by L. M. College of Pharmacy and M. G. Science Institute on Sept 18, 2021
- Coordinator, Lecture series on “Science of Science in the Spotlight” organized by Research Committee and IQAC, L. M. College of Pharmacy at every third Saturday of Month since Jul 2021
 1. “Demystifying Patents for Researchers” by Dr. Mrudula Bele on Dec 01, 2022
 2. “Research and Innovations in Drug Discovery at Academic Institutes and Hybridized Collaborative Models with Pharma Industries: Few Case Studies and Lessons to Learn” by Prof. Anamik Shah on Oct 14, 2022
 3. “Research Collaborations and Ethics in Research: Foes or Friends?” by Prof. Munira Momin on Jul 20, 2022
 4. “One Day Workshop and Hands-on Training on “Systematic Review and Meta-Analysis” by Mr. Muhammed Rashid on July 03, 2022
 5. “Bench to Bed Side Discovery of Nitroimidazoles as Anti-tuberculosis Drug” by Dr. Amit Nayyar on Feb 19, 2022
 6. "Policy to Catalyze R & D and Innovation in Pharma & Med-Tech Sector" in India" by Shri Shirish Belapure on Jan 10, 2022
 7. "Drug Discovery Whose Prerogative and Beyond" by Prof. M. R. Yadav on Nov 27, 2021
 8. “Achieving Organizational Excellence with Ethics and Good Human Behaviour” by Prof. Saranjit Singh on Dec 18, 2021
 9. "Ayurgenomics-A novel Translational Framework for Development of Integrative Medicine" by Dr. Bhavna Prasher on Oct 21, 2021

10. "Strategies for Effective Research Grant Writing" by Prof. Vandana B. Patravale on Sept 25, 2021
 11. "Publication ethics Myriad of Scope and Challenges in Pharmaceutical Research" by Prof. Tejal A. Mehta on Aug 23, 2021
 12. "Science of Science Management in Drug Discovery and Development" by Prof. Ramesh K. Goyal on Jul 24, 2021
- Coordinator, Webinar-II (Process Chemistry and Environment Management System in API Synthesis), GUJCOST sponsored Webinar Series on "Organic Synthesis : Life Line of Pharma API Industry" during March 8-20, 2021
 - Member, Scientific/Publication/Media Committee, AICTE sponsored International E-conference in "PHARMTECH2020-Exploring myriads of Pharma in Pharmaceutics and Pharmaceutical Technology" on Oct 28-30, 2020
 - Coordinator, PharmaFest 2020, L. M. College of Pharmacy, Ahmedabad during Sept 14-25, 2020
 - Member, registration committee in LMCP Alumni Meet on Jan 19, 2018, Jan 12, 2019 and Jan 06, 2020
 - Event manager, PharmaInnoveren, Pharmachrome'18, GTU Central Techfest 2018 during Mar 14-16, 2018 and Ideathon, Pharmachrome'19, GTU Central Techfest 2019 during Mar 18-19, 2019
 - Member, Hospitality committee for International Conferences organized by L. M. College of Pharmacy, Ahmedabad in 2018 and 2019
 - Member, Finance and Overall Co-ordination Committee, National Seminar on "Nuclear Medicines in Treatment and Diagnosis of Diseases" to be held on Feb 09, 2019
 - Member, Scientific/Publication/Media Committee of several national and international conferences

Seminars/Workshops/CEPs/MOOCs/FDPs/STTP/Courses Attended: Total 40

1. 7th NIPiCON International Conference "NIPiCON 2024 - NextGen Therapeutics: Multidisciplinary Research Approaches for Drug Development and Delivery" at Institute of Pharmacy, Nirma University, Ahmedabad during Feb 07-09, 2024
2. "International Conference on Drug Discovery and Translational Medicine 2023 (ICDDTM'23)" held at Mines Beach Resort, Selangor (Malaysia) during Dec 05-06, 2023
3. "International Conference on New Horizons in Drugs, Devices & Diagnostics" organized by National Institute of Pharmaceutical Education and Research (NIPER) Hyderabad at Kanha Shanti Vanam, Hyderabad during Sept 14-16, 2023
4. Faculty Development Program of two weeks on "Integration of Sustainable practices in Pharmaceutical Industries and Public Health" Organized by the Institute of Pharmacy under the auspices of Internal Quality Assurance Cell (IQAC), Nirma University, Ahmedabad during July 10-21, 2023
5. One day seminar cum workshop as a part of Faculty Development Program under the auspices of IQAC-I on hands on training for "Prior Art Research and Patent Drafting for Pharmaceuticals" organized by Institute of Pharmacy, Nirma University on Mar 13, 2023.
6. ACS Fall 2022 on "Sustainability in Changing World" held at McCormick Place Convention Center, Chicago, Illinois, USA organized by American Chemical Society, Washington D.C., USA from Aug 21-25, 2022

7. AICTE sponsored six days online faculty development program on "Emerging trends & regulations in product of herbal origin" organized by Gujarat Technological University from Mar 21 to 26, 2022
8. AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Artificial Intelligence in Drug Design & Development: Current and Future Perspectives" organized by Acharya & B. M. Reddy College of Pharmacy from Nov 22 to 26, 2021
9. AICTE Training and Learning (ATAL) Academy Online Advanced FDP on "Recent Trends in Drug Discovery" organized by Department of Pharmaceutical Sciences from Sept 13-17, 2021
10. AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Computer Aided Drug Design in Drug Discovery" at Indian Institute of Information Technology Allahabad from Sept 06-10, 2021
11. "National Webinar and Workshop on Computer Aided Drug Design" organized by Gulabi Shetty Memorial Institute of Pharmaceutical Sciences (NGSMIPS) (Deemed to be University) and Institutional Research Council, NITTE, Mangaluru in association with Schrödinger on Jul 20th, 22nd and 23rd 2021
12. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Revisiting Different Facets of Medicinal Chemistry" from Jul 5-9, 2021 at Bombay College of Pharmacy, Maharashtra
13. GUJCOST sponsored Webinar Series on "Organic Synthesis : Life Line of Pharma API Industry" organized by L. M. College of Pharmacy in Association with o2h Discovery Pvt. Ltd. on Feb 25-27, 2021 (Webinar 1), March 8-20, 2021 (Webinar 2), April 8-9, 2021 (Webinar 3)
14. GTU-AICTE sponsored online FDP "Self-reliance - A Need of an Hour in Pharmaceutical Industry in India" organized by Gyanmanjari Pharmacy College, Bhavnagar during Jan 04-09, 2021
15. AICTE-DST-GUJCOST Sponsored International E-Conference "PHARMTECH-2020-Exploring myriads of Pharma in Pharmaceutics and Pharmaceutical Technology" organized by L. M. College of Pharmacy, Ahmedabad during Oct 28-30, 2020
16. Drug design course through Indian Webinar Series on "Introduction to Computational Drug Design (Theory-Demo-Hands on)" co-organized by Schrödinger and Pharmacy Council of India (PCI) during Sept 21-Oct 23, 2020
17. "e-Refresher Course for Registered Pharmacist" sponsored by Gujarat State Pharmacy Council (GSPC), Gujarat organized Khyati College of Pharmacy, Ahmedabad during Sept 12-13, 2020
18. AICTE sponsored One Week Short Term Training Programme on "Computer Applications in Drug Discovery" organized by Sat Kaival College of Pharmacy, Sarsa, Anand, Gujarat during Sept 7-12, 2020
19. A Five Day International Online Workshop Program on "Artificial Intelligence Tools For Accelerated Drug Discovery Against COVID-19" organized by Department of Biotechnology, Vignan's Foundation for Science, Technology & Research, Vadlamudi-522213, Guntur, Andhra Pradesh, India during Aug 10-14, 2020
20. One Week National Level e-Faculty Development Program on "ICT based tools and its applications in teaching learning process" organized by BSVS Educational Learning Centre, Nagpur held during May 27-Jun 02, 2020
21. One Week National Level e-Faculty Development Program on "Comprehensive Quality Initiatives for Higher Education in Pandemic Era" organized by Internal Quality Assurance Cell of Uka Tarsadia University (UTU), Bardoli, Gujarat during May 26-30, 2020
22. One Week National Level e-Faculty Development Program on "Redefining the Role of Educator in COVID-19 Outbreak Era" jointly organized by Gujarat Technological University (GTU), Ahmedabad and Anand Pharmacy college, Anand, Gujarat during May 11-16, 2020

23. Two Week Faculty Development Program on “Emerging Trends in Pharmaceutical Sciences: From Research to Revenue” sponsored by All India Council of Technical Education (AICTE) organized by L. M. College of Pharmacy, Ahmedabad during Jan 20-Feb 01, 2020
24. National Programme on Technology Enhanced Learning (NPTEL) Online Certification Course and All India Council of Technical Education (NPTEL-AICTE) One Week Faculty Development Programme (FDP) on “Computer Aided Drug Design” taught by Dr. Mukesh Doble, Prof., Indian Institute of Technology (IIT), Madras funded by Ministry of Human Resource Development (MHRD), Government of India during Jul 22 to Sept 29, 2019
25. National Programme on Technology Enhanced Learning (NPTEL) Online Certification Course and All India Council of Technical Education (NPTEL-AICTE) One and Half Week Faculty Development Programme (FDP) on “Medicinal Chemistry” with Elite-Silver Medal taught by Dr. Harinath Chakrapani, Asso. Prof., Indian Institute of Science Education and Research (IISER), Pune funded by Ministry of Human Resource Development (MHRD), Government of India (GoI) during Jan 05 to Apr 23, 2019
26. Faculty Development Program on “Excellence Through Outcome Based Education in Pharmacy” sponsored by All India Council of Technical Education (AICTE) and Gujarat Technological University (GTU), Ahmedabad organized by L. M. College of Pharmacy, Ahmedabad during Mar 26-30, 2019
27. National Service Scheme (NSS) Programme Officers’ Chintan Shibir 2019 organized by Gujarat Technological University (GTU), Ahmedabad at Statue of Unity, Tent City II-Narmada during Mar 07-08, 2019
28. National seminar on “Nuclear Medicines in Diagnosis and Diseases Management” sponsored by AERB and GUJCOST and organized by L. M. College of Pharmacy (LMCP), Ahmedabad held on Feb 09, 2019
29. “Outcome Based Education: Achieving Excellence Through Learning Outcomes” organized by Ahmedabad Education Society (AES) & M. G. Science Institute, Ahmedabad during Feb 03, 2019 at Ahmedabad Management Association (AMA), ATIRA Campus, Dr. Vikram Sarabhai Marg, Ahmedabad, Gujarat, India
30. Continuing Education Programme on “Modernizations and Training in Teaching Learning Pedagogy,” sponsored by Pharmacy Council of India, New Delhi during Jan 2-4, 2019 at Maliba Pharmacy College, Maliba Campus, Gopal Vidyanagar, Bardoli-Mahuva Road, Ta. Mahuva, Dist. - Surat, Gujarat
31. “International Conference on ‘Herbal Medicines: Research and Commerce-Global Perspectives” organized by L. M. College of Pharmacy, Ahmedabad during Dec 27-29, 2018 at Ahmedabad Management Association (AMA), ATIRA Campus, Dr. Vikram Sarabhai Marg, Ahmedabad, Gujarat, India
32. “34th Session of Patent Clinic Programme for Two Days of Workshop on Patent Search, Drafting & Filing” organized by Gujarat Technological University (GTU) Innovation Council & Graduate School of Pharmacy, during Aug 3-4, 2018 at GTU, Chandkheda, Gujarat, India
33. “National Conference on Convergence of Pharmaceutical Sciences & Biomedical Technology (CPSBT)-2018” organised by National Institute of Pharmaceutical Education and Research (NIPER), Ahmedabad during Mar 21-23, 2018 at Ahmedabad Management Association (AMA), ATIRA Campus, Dr. Vikram Sarabhai Marg, Ahmedabad, Gujarat, India
34. “Thematic Conference in Chemical Sciences (TC2S-2017): Sustainable Chemistry” organized by Indian Institute of Technology (IIT)-Ropar during May 15-16, 2017 at Ropar, Punjab, India

35. "2nd National Conference of Institute of Pharmacy (NCIP 2017) on Emerging Trends in Drug Discovery, Development and Molecular Targets for Cancer Research" organized by Institute of Pharmacy, Ahmedabad during Jan 24-25, 2017 at Nirma University (IPNU), Ahmedabad, India
36. "Pharmacy Refresher Course for Registered Pharmacist" sponsored by Gujarat State Pharmacy Council (GSPC), Gujarat, during Mar 19-20, 2016 held at K.B. Institute of Pharmaceutical Education and Research (KBIPER), Gandhinagar
37. "6th International Symposium on Current Trends in Drug Discovery and Research (CTDDR-2016)" organized by Council of Scientific & Industrial Research (CSIR)-Central Drug Research Institute (CDRI), India during Feb 25-28, 2016 at CDRI-Lucknow, India
38. "International Conference on Nascent Developments in Chemical Sciences: Opportunities for Academia-Industry Collaboration (NDCS-2015)" organized by Department of Chemistry, Birla Institute of Technology & Science, Pilani – Pilani Campus, India during Oct 16-18, 2015
39. "The International Symposium on Recent Advances in Medicinal Chemistry 2014 (ISRAM-2014)" held at NIPER, S.A.S. Nagar (Mohali) during Sept 8-10, 2014
40. "The 3rd Indo-German conference on Modeling Chemical & Biological (Re)activity (MCBR3)" during Feb 26- Mar 1, 2013 organized by NIPER (Mohali) & IISER (Mohali)

Paper or Poster or Oral or Flash Presentations Presented/Accepted in Symposia: Total 18

[Adjudged Best Poster/Oral/Flash Presentation: 2]

1. Tejas M. Dhameliya, Kaushikkumar A. Bhakhar, Punit V. Vaghela, Saiprasad D. Varakala, Shrdhhaba J. Chudasma, Normi D. Gajjar, Prinsa R. Nagar, Dharmarajan Sriram, "Indole-2-carboxamides as New Anti-Mycobacterial Agents: Design, Synthesis, Biological Evaluation and Molecular Modeling against mmpL3" at "International Conference on Drug Discovery and Translational Medicine 2023 (ICDDTM'23)" held at Mines Beach Resort, Selangor (Malaysia) during Dec 05-06, 2023. Oral Presentation No. OA-2
2. Tejas M. Dhameliya, Normi D. Gajjar, and Kaushikkumar A. Bhakhar, "*In Silico* Research Endeavours through Molecular Modelling in Search of Anti-mycobacterial Agents" at "International Conference on New Horizons in Drugs, Devices & Diagnostics" during Sept 14-16, 2023 organized by National Institute of Pharmaceutical Education and Research (NIPER) Hyderabad at Kanha Shanti Vanam, Hyderabad. Oral Presentation No. OP-39
3. Drashtiben D. Vekariya, Tejas M. Dhameliya, "Comprehensive Coverage on Anti-mycobacterial Endeavour Reported in 2022" at 2nd NIRMA e-Conference for International Connect (NCIC) – 2023, "Recent Advances in Nanotechnology: Drug Discovery & Therapeutics," during Jan 24 – 25, 2023 organized by Institute of Pharmacy, Nirma University, Ahmedabad. Oral Presentation No. PCV017
4. Tejas M. Dhameliya, Kshitij I. Patel, Rishu Tiwari, Siva Krishna Vagolu, Dulal Panda, Dharmarajan Sriram, and Asit K. Chakraborti, "Benzo[d]imidazole-2-carboxamides as New Anti-TB Agents: Design, Synthesis, Biological Evaluation, and Target Identification" ACS Fall 2022 on "Sustainability in Changing World" held at McCormick Place Convention Center, Chicago, Illinois, USA during Aug 21-25, 2022 organized by American Chemical Society, Washington D.C., USA. Poster No. 2877
5. Shrddhaba J. Chudasma, Prinsa R. Nagar, **Tejas M. Dhameliya** "Molecular Modeling Inspired Design of 1,2,4-Oxadiazoles in Search of SARS CoV-2 Inhibitors" AICTE Sponsored Two Days 3rd National Conference on "Advances in Drug Discovery and Development" during Mar 25-26, 2022 organized by IQAC, Shree Dhanvantary Pharmacy College, Kim, Surat. Poster Presentation No. 021

6. Shrddhaba J. Chudasma, Tanvi M. Patel, and Bhavarth P. Dave, **Tejas M. Dhameliya** "A Review on Synthetic Account of 1,2,4-Oxadiazoles as Anti-infective Agents" 6th Nirma Institute of Pharmacy International Conference, Jointly organized with Indian Pharmacological Society, "Emerging Opportunities and Challenges in Pharmacology and Pharmaceutical Sciences for Drug Discovery and Healthcare Innovations" during Feb 17-19, 2022 jointly organized by Nirma Institute of Pharmacy and Indian Pharmacological Society. Oral Presentation No. F-023
7. Normi D. Gajjar, **Tejas M. Dhameliya**, Gaurang B. Shah "In Search of RdRp and Mpro Inhibitors against SARS CoV-2: Molecular Docking, Molecular Dynamic Simulations and ADMET Analysis" 4th National Conference in Chemistry-2021 during Aug 6-7, 2021 organized by Discipline of Chemistry, IIT Gandhinagar. Poster No. FT-9.
8. Prinsa R. Nagar, **Tejas M. Dhameliya**. "Review of Drug Discovery Approach behind COVID-19" PharmaFest 2020 (Pharmacy week September 21-25, 2020) organized by L. M. College of Pharmacy, Ahmedabad on the occasion of World Pharmacist Day 2020. Poster No. B47
9. Kaushikkumar A. Bhakhar, **Tejas M. Dhameliya**. "Review of Indoles as Anti-TB Agents" PharmaFest 2020 (Pharmacy week September 21-25, 2020) organized by L. M. College of Pharmacy, Ahmedabad on the occasion of World Pharmacist Day 2020. Poster No. D127
10. Ravi Prajapati, Punit V. Vaghela, **Tejas M. Dhameliya**, and Mahesh T. Chhabria. "Design, Synthesis and Biological Evaluation of Some New Substituted Pyrimidine Derivatives as Anticancer Agents," 4th Indo-Caribbean Conference on "Current Trends in Drug Design, Medicinal Chemistry and Pharmaceutical Sciences (CTDDMCPS-2019)" organized by Faculty of Pharmacy, Dharmsinh Desai University, Nadiad and Association of Pharmacy Professionals Gujarat State Branch & West Indies International Branch in collaboration with APP Drug Design MedChem Division on Jul 22, 2019 at Faculty of Pharmacy, DD University, Nadiad, Gujarat, India. Poster No. **PCH039**
11. Hiren A. Donga, Apexa Patel, **Tejas M. Dhameliya**, Dipen K. Sureja, Divya M. Teli, and Mahesh T. Chhabria. "Applications of Nano-catalysis in Synthesis of Heterocyclic Chemotypes," 4th Indo-Caribbean Conference on "Current Trends in Drug Design, Medicinal Chemistry and Pharmaceutical Sciences (CTDDMCPS-2019)" organized by Faculty of Pharmacy, Dharmsinh Desai University, Nadiad and Association of Pharmacy Professionals Gujarat State Branch & West Indies International Branch in collaboration with APP Drug Design MedChem Division on Jul 22, 2019 at Faculty of Pharmacy, DD University, Nadiad, Gujarat, India. Poster No. **PCH037**
12. Kshitij I. Patel, Pradeep S. Jadhavar, **Tejas M. Dhameliya**, Maulikkumar D. Vaja, Perumal Yogeshwari, Dharmrajan D. Sriram and Asit K. Chakraborti. "Benzimidazoquinazolines as Novel Anti-mycobacterial Chemotypes: Design, Synthesis and Biological Evaluation," RSC Sponsored Symposium on Recent Advances in Organic & Bio-organic Chemistry (RAOBC) organized by Indian Institute of Science Education and Research (IISER), Mohali during Mar 22-24, 2019 at Knowledge city, Sector 81, SAS Nagar, Manauli-140306, Punjab, India. Poster No. **27**
13. **Tejas M. Dhameliya**, Rishu Tiwari, Arkaprabha Banerjee, Sahaj Pancholia, Dharmarajan Sriram, Dulal Panda, and Asit K. Chakraborti. "New Avenue for Novel Anti-TB Chemotypes: Design, Synthesis, Biological Evaluation and Molecular Modeling of Benzo[d]thiazole-2-carbanilides," "National Conference on Convergence of Pharmaceutical Sciences & Biomedical Technology (CPSBT)-2018" organised by National Institute of Pharmaceutical Education and Research (NIPER), Ahmedabad during Mar 21-23, 2018 at Ahmedabad Management Association, ATIRA Campus, Dr. Vikram Sarabhai Marg, Ahmedabad, Gujarat, India. Oral Presentation No. **OP3, Received Second Prize**
14. **Tejas M. Dhameliya**, Sumit S. Chourasiya, Eshaan Mishra, Pradeep S. Jadhavar, Prasad V. Bharatam and Asit K. Chakraborti, "Benzazole-2-carboxylate vs Benzazine-3-one/Benzazine-

2,3-dione Selectivity Switch during Cyclocondensation of 2-Amino thiophenols/phenols/anilines with 1,2-Biselectrophiles in Aqueous Medium: Rationalisation with Baldwin's Rule, HSAB Principle, DFT Calculations, and Orbital Interactions," "Thematic Conference in Chemical Sciences (TC2S-2017): Sustainable Chemistry" organized by Indian Institute of Technology (IIT)-Ropar during May 15-16, 2017 at Ropar, Punjab, India. Poster No. **P35**

15. **Tejas M. Dhameliya**, Sahaj Pancholia, Dharmarajan Sriram and Asit K. Chakraborti. "N-Arylbenzo[d]thiazole-2-carboxamide as New Anti-TB Scaffold: Design, Synthesis, Biological Evaluation and Structure-Activity Relationship," "2nd National Conference of Institute of Pharmacy (NCIP 2017) on Emerging Trends in Drug Discovery, Development and Molecular Targets for Cancer Research" organized by Institute of Pharmacy (IPNU), Ahmedabad during Jan 24-25, 2017 at Nirma University, Ahmedabad, India. Poster No. **MSC003, Received Best Poster Award**
16. **Tejas M. Dhameliya**, Sahaj Pancholia, Parth Shah, Pradeep S. Jadhavar, Jonnalagadda Padma Sridevi, Perumal Yogeshwari, Dharmarajan Sriram and Asit K. Chakraborti. "New Avenue for Novel Anti-mycobacterial Chemotypes: Design, Synthesis, Biological evaluation and Molecular modeling of Benzo[d]thiazole-2-carboxamides," "6th International Symposium on Current Trends in Drug Discovery and Research" organized by Council of Scientific & Industrial Research (CSIR)-Central Drug Research Institute (CDRI), India during Feb 25-28, 2016 at CDRI-Lucknow. Young Scientists' Oral Presentation No. 5
17. **Tejas M. Dhameliya**, Sahaj Pancholia, Parth Shah, Pradeep S. Jadhavar, Jonnalagadda Padma Sridevi, Perumal Yogeeswari, Dharmarajan Sriram and Asit K. Chakraborti. "Anti-mycobacterial agents: Design, Synthesis, Biological Evaluation and COMFA Study of Benzo[d]thiazol-2-yl(piperazin-1-yl)methanones," "International Conference on Nascent Developments in Chemical Sciences: Opportunities for Academia-Industry Collaboration (NDCS-2015)" organized by Department of Chemistry, Birla Institute of Technology & Science, Pilani – Pilani Campus, India during Oct 16-18, 2015. Poster No. **257**
18. **Tejas M. Dhameliya**, Parth Shah, Rohit Bansal, Manesh Nautiyal, Damodara N. Kommi, Pradeep S. Jadhavar, Jonnalagadda Padma Sridevi, Perumal Yogeeswari, Dharmarajan Sriram and Asit K. Chakraborti. "N-Arylalkylbenzo[d]thiazole-2-carboxamides as Anti-mycobacterial Agents: Design, New Methods of Synthesis and Biological Evaluation," "The International Symposium on Recent Advances in Medicinal Chemistry 2014 (ISRAM-2014)" organized by Department of Medicinal Chemistry, NIPER, S.A.S. Nagar (Mohali), Punjab, India during Sept 8-10, **2014**. Poster No. **P30**

Seminar Lecture Delivered: Total 5

1. "Computer aided drug design and molecular docking," and "Hands on training on AutoDock and AutoDock Vina software" Oct 28, **2023**, National level seminar cum workshop program on "Computational Structure based Screening and hands on training on molecular docking and molecular modeling using software" during Oct 27-28, 2023 organized by the Faculty of Pharmacy, Marwadi University Rajkot, Gujarat, India and sponsored by Gujarat State Biotechnology Mission (GSBTM), Gandhinagar.S
2. "Refreshing (F5) the Knowledge on Patent Laws," Dec 03, **2022**, "GSPC Sponsored Refresher Course for Registered Pharmacists" during Dec 03-04, 2022 organized by L. M. College of Pharmacy, Ahmedabad.

3. *"Pharmacokinetic Descriptors in Drug Design (Drug Properties),"* Feb 28, **2022**, Guest lecture jointly organized by Zydus Research Center, Ahmedabad and L. M. College of Pharmacy, Ahmedabad for Lecture series on "Fundamentals of Pharmacokinetics".
4. *"Refreshing (F5) the Knowledge on Journey of Drug Discovery and Development in the hunt of anti-infective agents,"* Jun 4, **2021**, Guest lecture organized by Amity Institute of Pharmacy, Amity University, Haryana.
5. *"Refreshing (F5) the Knowledge on Journey of Drug Discovery and Development,"* Mar 24, **2018**, GSPC Sponsored Refresher Course for Registered Pharmacists during Mar 24-25, 2018 organized by L. M. College of Pharmacy, Ahmedabad.

I hereby solemnly declare that the information provided above has been to the best of my knowledge.

Place: Ahmedabad (Gujarat)

Date: May 05, 2024

Dr. Tejas M. Dhameliya