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## Curriculum Vitae

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### Dr. Dattatraya Navnath Pansare

M.Sc., CSIR-JRF-NET, Ph.D., MBA

Assistant Professor  
Department of Chemistry  
Deogiri College, Chhatrapati Sambhajanagar  
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#### SPECIALIZATION: ORGANIC CHEMISTRY

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#### RESEARCH INTEREST

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Medicinal Chemistry, Synthetic Organic Chemistry, Heterocyclic Chemistry, Catalysis

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#### RESEARCH PROFILE

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☞ Patent Granted	:	<b>01</b>
☞ Patent File	:	<b>02</b>
☞ Research Paper Published	:	<b>87</b>
☞ Reviews	:	<b>02</b>
☞ Book Chapter Published	:	<b>16</b>
☞ Google scholar Citation	:	<b>660+</b>
☞ Google scholar h-index	:	<b>16</b>
☞ Google scholar i10-index	:	<b>24</b>

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#### CAREER PROFILE

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- ☞ **Research Experience: 13 Year**
- ☞ **Teaching Experience: 10 Year**
- ☞ Working as **Assistant Professor** at **Deogiri College**, Chhatrapati Sambhajanagar  
From 2<sup>nd</sup> January 2020 to till date
- ☞ Worked as **Assistant Professor** at **Deogiri College**, Chhatrapati Sambhajanagar  
From June 2017 to December 2019

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- Worked as **I/C Principal** at **ACS College Sanvatsar**, Tq- Kopargaon, Dist- Ahmednagar.  
From August 2016 to April 2017
  - Worked as **Assistant Professor** at **Vinayakrao Patil Mahavidyalaya**, Vaijapur, Chhatrapati Sambhajnagar.  
From July 2014 to 30 April 2016
  - Worked as **Assistant Professor** at **Deogiri College**, Chhatrapati Sambhajnagar  
From June 2013 to May 2014

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#### Co-curricular and extra-curricular activities carried out

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District Nodal Officer DHE, Green club

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#### RESEARCH EXPERIENCE

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- Worked as **Senior Research Fellow** on project entitled “**Novel Inhibitors of Bacterial Enzyme Mur B**”  
Funded by, **Indian Council of Medical Research, Delhi** Under the guidance of **Prof. Dr. Devanand B. Shinde**, Department of Chemical Technology, Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajnagar  
**From:** November 2010 to September 2013

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#### Ph.D. AWARDED

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- **Title: Development of Novel Inhibitors of Bacterial Enzyme Mur B.** Ph.D. degree awarded under the guidance of **Prof. Dr. Devanand B. Shinde**, Department of Chemical Technology, Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajnagar

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#### HONORS & AWARDS

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- **2<sup>nd</sup> prize Poster Presentation Award** in International conference on SDCSA-2021 organized by Department of Chemistry, Sadguru Gadage Maharaj College, Karad, during 16th & 17th December **2021**.
- **Editorial Board Member of SCIREA Journal of Chemistry, 2019.**
- **Editorial Board Member of SCIREA Journal of Medicine, 2019.**
- Appointed as “**Bentham Brand Ambassador**” by Bentham Science publisher and Appointment letter is given by Dr. Latif Ur Rahaman in December **2017**
- **Best Poster Paper Presentation Award** in International conference on Global Opportunities for Latest Developments in Chemistry and Technology-2014’ (GOLD-CT-2014) North Maharashtra University, Jalgaon, February **2014**.

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➤ **Research Fellowship** awarded **2011** by Indian Council of Medical Research, Delhi.

➤ Qualify **CSIR- JRF-NET** Exam June **2010**, **All India Rank 202**.

**SIGNIFICANT ACHIEVEMENTS (Reviewer) [47 International Journals]**

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1. Acta Chemica Pharma Indica
2. American Chemical Society
3. Anti-Cancer Agents in Medicinal Chemistry
4. Applied Organometallic Chemistry
5. Archiv der Pharmazie
6. Asian Journal of Biochemistry, Genetics and Molecular Biology
7. Asian Journal of Immunology
8. Asian Journal of Medical Principles and Clinical Practice
9. Asian Oncology Research Journal
10. Biointerface Research in Applied Chemistry
11. Bioorganic & Medicinal Chemistry
12. Bioorganic & Medicinal Chemistry Letters
13. Bioorganic Chemistry
14. Brazilian Journal of Pharmaceutical Sciences
15. Chemistry Select
16. Combinatorial Chemistry & High Throughput Screening
17. Current Bioactive Compounds
18. Current Journal of Applied Science and Technology
19. Current Organic Chemistry, Bentham
20. Current Pharmaceutical Design
21. Frontiers in Chemistry
22. Future Medicinal Chemistry - Future Science
23. International Journal of Biochemistry Research & Review
24. International Research Journal of Oncology
25. Journal of Advances in Medicine and Medical Research
26. Journal of Agricultural and Food Chemistry (ACS)
27. Journal of Biochemical and Molecular Toxicology
28. Journal of Biomolecular Structure & Dynamics
29. Journal of Chemistry Hindawi
30. Journal of Heterocyclic Chemistry
31. Journal of Pharmaceutical Research International
32. Journal of Pharmaceutical Sciences
33. Journal of Saudi Chemical Society
34. Journal of Taibah University for Science

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35. Journal of the Chinese Chemical Society
  36. Letters in Applied NanoBioScience
  37. Letters in Organic Chemistry
  38. Medicinal Chemistry Research
  39. Morressier
  40. Oriental Journal of Chemistry
  41. Phosphorus, Sulfur, and Silicon and the Related Elements
  42. Research & Reviews: Journal of Chemistry
  43. Research on Chemical Intermediates
  44. Russian Journal of Bioorganic Chemistry
  45. Synthetic Communications
  46. Tetrahedron
  47. Vietnam Journal of Chemistry

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**PUBLICATION: 89**, (Google scholar Citation: **663**, h-index:**16**, i10-index:**24**)

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1. Synthesis, characterization of novel thiazole hydrazine derivatives and inhibitory action against the VEGFR-2. Vishnu A. Gore, **Dattatraya N. Pansare\***, Aniket P. Sarkate, Shailee V. Tiwari, Rohini N. Shelke, Shashikant V. Bhandari. *Russian Journal of Bioorganic Chemistry*, **2024**, [IF, **1.20**], 50, 345–353. ISSN 1070-3632.
2. Synthesis and characterization of novel 1,3-thiazolidine substituted amide derivatives using green protocol: Biological evaluation, molecular docking, QSTR and in silico ADME studies". Amit Pund, **Dattatraya Pansare**, Aniket Serkate, Prathmesh Deshpande, Baban Magare. *Chemical Biology & Drug Design*. **2024** ISSN: 1747-0277, [IF, **3.00**] Published by John Wiley & Sons Ltd.
3. A facile halogen assisted intramolecular cyclization of (E)-3-(substituted benzylidene)-1-(substituted phenyl)pyrrolidine-2,5-dione. Ganesh B. Deshmukh, Nilesh S. Patil, Anant B. Kanagare, **Dattatraya N. Pansare\***. [*Journal of Heterocyclic Chemistry*, xx, **2024**, 61, 1091–1100, ISSN: 1943-5193, **Impact Factor: 2.45**].
4. Synthesis, antiproliferative activity and Insilco studies of substituted 2-((N-benzyl-5-bromo-2-methoxyphenyl) sulfonamide) glycinamide derivatives. Dattatray D. Gaikwad, Sachin A. Dhawale, Chandrakant D. Pawar, **Dattatraya N. Pansare**, Umakant D. Pawar, Ashok M. Zine. *Synthetic Communications*. **2024**. ISSN: 0039-7911[IF, **2.10**].
5. Appraisal and Synthesis of novel indole-thiazole derivatives as epidermal growth factor receptor tyrosine kinase (EGFR-TK) inhibitors against resistance mutation for lung cancer treatment. Shailee V. Tiwari, **Dattatraya N. Pansare\***, Deepak K. Lokwani, Shashikant V. Bhandari, Vijay V. Kanode, Omkar V. Tandale, Akshay R. Kadam. *Result in Chemistry*, ISSN 2211-7156 [Publisher: Elsevier] **2024**, 101760, [IF, **2.70**]
6. One-Pot Synthesis of the 5-Benzylidene-2-thioxothiazolidin-4-one Derivative and Screening of Metal Catalysts Using Fruit Juice. N.M. Binhydra, A.P. Sarkate, M.S. Wagh, S.S. Pawar, P.K. Kankal, G.V. Patwekar, A.A.

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- Pund, **Dattatraya Pansare**, S. V. Bhandari *Russian Journal of Organic Chemistry*, **2024**, [IF, 0.80], XX, XXX. ISSN 1608-3393.
- Detection of Explosive Residues Using Nanomaterial-based Sensors: A Review. Vilas A. Chavan, Devidas S. Bhagat, Ajit K. Gangawane, K. Vijaya Babu, **Dattatraya Pansare**, Babu R. Thorat, Ravikumar M. Borade, Viney Chawla and Pooja A. Chawla. 29 December, *Current Nanoscience [Bentham]* [IF, 1.50], **2024**. ISSN: 1875-6786.
  - Synthesis of Ag NPs and its catalytic activity under ultrasonic irradiations. Pravin Chavan, Jagdish Thakur, Shivaji Jadhav, Dhanraj Kamble, Megha Rai, Rohini Shelke, Shoeb Sayyed, **Dattatraya Pansare**, **2024**, *Materials International* (ISSN 2668-5728). *Accepted*
  - Unveiling the Synthesis of 2-Substituted Benzimidazoles congeners using PySO<sub>3</sub> and TEA.SO<sub>3</sub> complex as efficient heterogenous solid catalysts. Prathmesh Deshpande, Yahya Shaikh, Jaiprakash Sangshetti, Amit Pund, Parshuram P. Pisal, Baban K. Magre, **Dattatray Pansare**, Shivaji Thore. *African Journal of Biological Sciences*. 5064-5081, 6(Si4), **2024**, ISSN: 2663-2187.
  - Microwave Assisted Synthesis of Multifunctionalised 2-Substituted Benzimidazoles Using Vitamin B12 As Efficient Solid Catalyst. Prathmesh Deshpande, Amit Pund , Baban K. Magre, **Dattatraya Pansare**, Yahya Shaikh, Shivaji Thore. *African Journal of Biological Sciences*. 6025-6042, 6(Si4), **2024**, ISSN: 2663-2187.
  - Investigate New Procedure for Selective Reaction and Synthesis of Some New 2-Substituted Benzimidazole Derivatives. Arjun Bodkhe, **Dattatraya Pansare\***, Dnyaneshwar Karpe, Vilas Sudrik<sup>1</sup>, Manohar Suryawanshi, Shamrao Lawande. *Oriental Journal of chemistry*, **2024**, 40(4), 981-986. ISSN : 2231-5039 [Publisher: Oriental Scientific Publishing Company] [IF, 0.50].
  - Synthesis, Characterization and Biological Activity of Transition Metal Complexes of 2-(1-((4-nitrophenyl)imino)ethyl phenol] Ligand. Priyanka Kashid, **Dattatraya Pansare**, Rajendra Pawar, Sanjivani Sonar, Saroj Bembalkar. **2024**, *Letters in Applied NanoBioScience*. (ISSN: 2284-6808). Accepted
  - Synthesis of (Z)-2-((5-(2-chlorobenzylidene)-4-oxo-4,5-dihydrothiazol-2-yl)amino)butanoic acid as antimicrobial agent. Rahul B. Shinde, **Dattatraya N. Pansare**, Rohini N. Shelke, Mukund N. Bangal, Sandeep Pardeshi, Jayant Sonar, Ashok M. Zine, **2024**, *Letters in Applied NanoBioScience*. (ISSN: 2284-6808).
  - Synthesis and biological study of novel schiff base [(E)-2, 4-dichloro-6-(1-((4-chlorophenyl) imino) ethyl) phenol] ligand and their metal complexes. Priyanka Kashid, **Dattatraya Pansare**, Rajendra Pawar, Sanjivani Sonar, Rohini Shelke, Saroj Bembalkar. **2024**, 13(2), 69-78 *Letters in Applied NanoBioScience*. (ISSN: 2284-6808).
  - A facile one pot synthesis of Pyranopyrazoles scaffold as a green approach. Hanuman D. Bhosle, **Dattatraya N. Pansare\***, Ajit K. Dhas, Rajita D. Ingle. *Rasayan Journal of Chemistry*. **2024**, 17(3), 855-860, ISSN: 0976-0083.
  - Green synthesis of 2,3-dihydroquinazolin-4(1H)-one derivatives by using polyaniline supported zinc oxide Nano composite. Sandip G. Mule, **Dattatraya N. Pansare**, C. S. Patil. **2023**, *Letters in Applied NanoBioScience*. (ISSN: 2284-6808).
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17. A facile Synthesis and characterization of some novel benzimidazole derivatives. Rahul B. Shinde, **Dattatraya N. Pansare**, Rohini N. Shelke, Aniket P. Sarkate, Shailee V. Tiwari, Mukund N. Bangal, Devidas S. Bhagat, Ashok M. Zine. *Result in Chemistry*, ISSN 2211-7156 [Publisher: Elsevier] **2023, 6**, 101134 [IF, **2.30**]
  18. A simple single-step procedure for synthesizing Bis(indolyl)methane, using polyaniline-supported graphene oxide nanocomposites as catalysts. Sandip Mule, C. S. Patil, **Dattatraya Pansare**. *Asian Journal of Chemistry*; 35(10), 2475-2480, (**2023**), ISSN 0975-427X.
  19. Exploration of 2-(substituted phenyl)-thiazolidin-4-one as anticancer agents. Rahul B. Shinde, **Dattatraya N. Pansare**, Aniket Sarkate, Shailee V. Tiwari, Rohini N. Shelke, Deepak Lokwani, Shirish Jain, Ashok M. Zine. *Russian Journal of Bioorganic Chemistry*, 49(6), **2023 S81-S95**, [IF, **1.20**], ISSN 1070-3632.
  20. Synthesis of (Z)-5-((Substituted-2-(substituted phenyl) quinoline-3-yl) methylene) thiazolidinone as antimicrobial and anticancer agent. Rahul Shinde, **Dattatraya Pansare**, Rohini N. Shelke, Mukund N. Bangal, Aniket Sarkate, Shailee Tiwari, Dhanraj Kamble, Pravin Chavan, Ashok Zine. *Russian Journal of Bioorganic Chemistry*, **2023**, 49(6), 1398–1407 [IF, **1.20**], ISSN 1070-3632.
  21. Insights into 4,4'-Arylmethylene-Bis-1H-Pyrazol-5-Ols Scaffolds: Various Synthetic Routes and Their Applications. A. B. Kanagare, A.R. Yadav, A. P. Katariya, D. S. Bhagat, A. K. Dhas, **Dattatraya N. Pansare**, P. A. Nagwade. B. Kumar, J. N. Sangshetti, S.U. Deshmukh, **2023. Chemistry Select**. [Review article]. 24 January 2023 [Impact factor: **2.307**] ISSN:2365-6549,
  22. Rapid and Efficient Synthesis of 4-substituted 2-amino Thiazole Using Copper Silicate as a Heterogeneous Reusable Catalyst. Ajit Dhas, Anant Kanagare, Maruti Kanetkar, **Dattatraya Pansare**. *Letters in Applied NanoBioScience*. (ISSN: 2284-6808). 12(4), **2023**, 159,
  23. Thienodiazepine-A Comprehensive Review of Their Synthesis and Diverse Biological Importance. **Dattatraya N. Pansare**, Rajendra P. Pawar. *International Journal of Scientific Research in Science and Technology (IJSRST)*, 9(17), 151-154, 14/12/2022. Online ISSN: 2395-602X, Print ISSN: 2395-6011,
  24. Design, Synthesis, Molecular Docking and Antioxidant Evaluation of Benzimidazole- 1,3,4 oxadiazole Derivatives. Shashikant V. Bhandari, Om G. Nagras, Pranali V.Kuthe, Aniket Sarkate, Kaustubh S. Waghmare, **Dattatraya N. Pansare**, Somdatta Y. Chaudhari, Shivraj N. Mawale, Mrunal C. Belwate. [*Journal of Molecular Structure*]. 1276, **15 March 2023**, 134747. **Impact factor: 3.841**, ISSN: 0022-2860, Publisher: Elsevier,
  25. A facile synthesis of sulfonate esters from phenols using catalytic KF/NFSI and K<sub>2</sub>CO<sub>3</sub>. Bharat D. Dond, **Dattatraya N. Pansare**, Aniket P. Sarkate, Shivaji N. Thore. [*Chemical Papers* (Springer), **77**, **2023**, 1765–1772, ISSN 03666352, 13369075, Impact factor: **2.200**].
  26. Development of a new Chromogenic spray reagent for the detection and identification of synthetic pesticide carbaryl in biological material by HPTLC. Umakant D. Pawar, **Dattatraya N. Pansare**, Rohini N. Shelke, Chandrakant D. Pawar, Asif M. Pathan, Vijay J. Thakre, Bhagwan S. Dobhal, Rajendra K. Pardeshi [*JPC - Journal of Planar Chromatography - Modern TLC*.(Springer) [ISSN. 0933-4173, **Impact Factor: 1.60**. 35, **2022**, 431–434]
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27. Explorations of novel pyridine-pyrimidine hybrid phosphonate derivatives as Aurora kinase inhibitors. Shailee V. Tiwari, Aniket P. Sarkate, Deepak K. Lokwani, **Dattatraya N. Pansare**, Surendra G. Gattani, Sameer S. Sheaikh. [*Bioorganic & Medicinal Chemistry Letters*., 67, 2022. 128747, 0960-894X, **Impact Factor: 2.823**.]
  28. A facile, one pot synthesis of 1,4 dihydropyridine derivative by using polyaniline supported zinc oxide nanoparticle via Hantzsch reaction. Sandip G. Mule, **Dattatraya N. Pansare**, Vishnu A. Gore, Swapnil G. Dhole, C. S. Patil. *Letters in Applied NanoBioScience*. (ISSN: 2284-6808). 2022, 12(1),
  29. A facile synthesis of new substituted thiazol-2-amine derivatives as potent antimicrobial agent. Rahul Shinde, **Dattatraya Pansare** , Rohini Shelke, Ashok Zine. *Letters in Applied NanoBioScience*. (ISSN: 2284-6808). 2022, 12(2), 1-12
  30. Ultrasound assisted, ZnCr<sub>2</sub>O<sub>4</sub> nano catalysed synthesis of substituted Tetrahydroquinolines via Povarov reaction. Pravin Chavan, Amol Ghoti, Shivaji Jadhav, Megha Rai, Dhanraj Kamble, Rohini Shelke, **Dattatraya Pansare**. *Letters in Applied NanoBioScience*. (ISSN: 2284-6808). 2021, 11(4), 4080-4088.
  31. Reusable ZnCr<sub>2</sub>O<sub>4</sub> Nano Catalyzed One Pot Three-Component Cycloaddition reaction for Synthesis of Azetidine Derivatives under Ultrasound irradiation. Sachin Bangale, Valmik Jodhale, **Dattatraya Pansare**, Pravin Chavan. 2021, 42:9, 6398-6410, *Polycyclic Aromatic Compounds*. (ISSN: 15635333). [**Impact Factor: 3.744 (2020)**] Publisher: Taylor and Francis Ltd.
  32. One Pot Three Component Synthesis of 2-Amino-5-oxo-4,5-dihydropyrano[3,2-c]chromene-3-carbonitrile Derivatives Catalyzed by Cobalt Doped Iron (III) Tartarate Complex. Mahesh Walle, **Dattatraya Pansare**, Tufiel Khan, Rajendra Pawar, Rohini Shelke , Rajita Ingle. 11(1), 2021, 3208–3217. *Letters in Applied NanoBioScience*. (ISSN: 2284-6808).
  33. A facile synthesis and biological screening of pyrimidine derivatives under ultrasonic irradiations by ZnCr<sub>2</sub>O<sub>4</sub> Nano-particles catalyst. Pravin Chavan, Amol Salve, Rohini Shelke, **Dattatraya Pansare**. 11(1), 2021, 2996-3005. *Letters in Applied NanoBioScience*. (ISSN: 2284-6808).
  34. Development of HPTLC Detection of Synthetic Pesticide Carbosulfan in Biological Material. Umakant D. Pawar, Chandrakant D. Pawar, **Dattatraya N. Pansare**, Jayanti G. Humbe, Rajendra K. Pardeshi. [*JPC - Journal of Planar Chromatography - Modern TLC*.(Springer) [ISSN. 0933-4173, **Impact Factor: 1.60**, 34, 2021, 183-186.]
  35. Synthesis of Imidazo [1, 2-a] Pyridine Derivatives Using Copper Silicate as an Efficient and Reusable Catalyst Ajit Dhas, Satish Deshmukh, **Dattatraya Pansare**, Rajendra Pawar, Gopal Kakade. 10(3), 2021, 2565 – 2570. *Letters in Applied NanoBioScience*. (ISSN: 2284-6808)
  36. Ultrasound-assisted synthesis and biological significance of substituted 4H-chromene-3- carbonitrile using greenery approaches. Pravin Chavan, **Dattatraya Pansare**, Rohini Shelke, Sumit Shejul and Pratima Bhoir. *Current Chemistry Letters*, 9, 2021, 43–52 ISSN 1927-7296.
  37. Microwave-assisted facile synthesis, anticancer evaluation of new substituted-3-methyl-1- substituted phenyl-1H-pyrazole. Aniket Sarkate, **Dattatraya N. Pansare**, Shailee V. Tiwari, Anna Pratima G. Nikalje, Jalió A. Seijas.[ISSN 2504-3900] Proceedings, 2020, 4, **Published:** 14 November 2020 by MDPI in The 24th
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International Electronic Conference on Synthetic Organic Chemistry, chem proc, session, microwave assisted synthesis.

38. Microwave-assisted facile synthesis and anticancer evaluation of Novel ethyl 4-(substituted phenyl)-6-methyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate. Aniket Sarkate, **Dattatraya N. Pansare**, Shailee V. Tiwari, Anna Pratima G. Nikalje, Jalio A. Seijas. Proceedings, [ISSN 2504-3900], Proceedings, **2020**, 4, xxxx.
39. Synthesis of substituted pyrimidine using  $ZnFe_2O_4$  nanocatalyst via one pot multi-component reaction ultrasonic irradiation. [Journal of Heterocyclic Chemistry, 57, **2020**, 3326-3333, ISSN: 1943-5193, **Impact Factor: 2.123**]. Pravin Chavan, Sachin Bangale, **Dattatraya Pansare**, Rohini Shelke, Shivaji Jadhav, Shrikrushna Tupare, Dhanraj Kamble, Megha Rai.
40. Synthesis and evaluation of novel sulfonamide analogues of 6/7-aminoflavones as anticancer agents via topoisomerase II inhibition. [Bioorganic & Medicinal Chemistry Letters, 30, **2020**, 127246, 0960-894X, **Impact Factor: 2.824**.] Rohini N. Shelke, **Dattatraya N. Pansare**, Aniket P. Sarkate, Ishudeep K. Narula, Deepak K. Lokwani, Shailee Tiwari, Rajaram Azad, Shankar R. Thopate.
41. Synthesis and anti-proliferative activity studies of 2-(2-(trifluoromethyl)-6-(substituted)imidazo[1,2-b]pyridazin-3-yl)-N-(substituted)acetamide derivatives. [Journal of Heterocyclic Chemistry, 57, **2020**, 1925-1935, ISSN: 1943-5193, **Impact Factor: 2.123**]. D.D. Gaikwad, U. D. Pawar, S. L. Chavan, C. D. Pawar, **Dattatraya N. Pansare**,\* R. N. Shelke, S. L. Chavan, A.M. Zine.
42. Ultrasound assisted, synthesis of N-(7-R)-2-oxa-8 azabicyclo[4.2.0]octan-8-yl)isonicotinamide derivatives and their biological evaluation. [Journal of Heterocyclic Chemistry, 57, **2020**, 1228-1235, ISSN: 1943-5193, **Impact Factor: 2.123**]. Pravin Chavan, Amol Salve, Shivaji Jadhav, **Dattatraya Pansare**, Megha Rai.
43. (Substituted)-benzo[b]thiophene-4-carboxamide synthesis and anti-proliferative activity study. \_ [Letters in Drug Design & Discovery., 17(5), **2020**, 563-573. ISSN: 1570-1808, (**Impact Factor: 1.783**)]. Chandrakant D. Pawar, **Dattatraya N. Pansare**, Devanand B. Shinde.
44. A facile synthesis of novel series (Z)-2-((4-oxo-5-(thiophen-2-yl methylene)-4,5-dihydro thiazol-2-yl)amino) substituted acid. **Dattatraya N. Pansare**, Devanand B. Shinde (Journal of Saudi Chemical Society, 21, **2020**, 434-440, ISSN: 1319-6103, IF: 2.887)
45. Synthesis and biological activities of new tetrahydroquinoline and pyrimidine derivatives. Pravin N. Chavan, **Dattatraya N. Pansare**, Shivaji L. Jadhav, Megha J. Rai. European Chemical Bulletin (ISSN 2063-5346). **2019**, 8(8), 257-264.
46. A convenient catalyst-free synthesis of some substituted pyridine benzamides from aryl aldehydes. Vaishnavi S. Jambhorkar, Aniket P. Sarkate, Aishwarya P. Rajhans, Kshipra S. Karnik, Sajed H. Ansari, Shambala U. Chavan, Yogesh W. More, **Dattatraya N. Pansare**. Eur. Chem. Bull. **2019**, 8(7), 227-230.
47. Simple chromium catalyzed oxidative synthesis of quinazolinones and benzoxazinones from 2-aminobenzamide and anthranilic acid with arylaldehydes. Ashwini V. Izankar, Aniket P. Sarkate, Pramod S. Patil, Arjun L. Khandare, S. N. Sinha, Kshipra S. Karnik, Yogesh W. More, **Dattatraya N. Pansare**. Eur. Chem. Bull. **2019**, 8(6), 180-187.

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48. A peel extract associated oxidative green dakin synthesis of some phenols using aqueous banana extract catalyst. Ishwari A. Kale, Nileema S. Gore, Aniket P. Sarkate, Bhagwan K. Sakhale, Arjun L. Khandare, S. N. Sinha, Kshipra S. Karnik, **Dattatraya N. Pansare**. *Eur. Chem. Bull.* **2019**, 8(5), 160-163.
  49. Green synthesis of 4-methoxybenzylidene thiazole derivatives using potassium carbonate as base under ultrasound irradiation. **Dattatraya N. Pansare**, Rohini N. Shelke, Chandraknat D. Pawar, Aniket P. Sarkate, Pravin N. Chavan, Shankar R. Thopate, Devanand B. Shinde. *Current Chemistry Letters*, ISSN 1927-7296. **2019**, 8, 211–224.
  50. Synthesis of (Z)-5-(substituted benzylidene)-2-((substituted phenyl) amino)thiazol-4(5H)-one analogues with antitubercular activity. Rohini N. Shelke, **Dattatraya N. Pansare**, Aniket P. Sarkate, Kshipra S. Karnik, Ajinkya P. Sarkate, Devanand B. Shinde & Shankar R. Thopate. *Journal of Taibah University for science.* **2019**, 13(1), 678–686. ISSN: 1658-3655, (IF: 1.68).
  51. Thionyl chloride induced convenient synthesis of benzamides from 3-bromo-5-nitrobenzoic acid and amines under solvent free conditions. Shritesh D. Jagtap, Aniket P. Sarkate, Arjun L. Khandare, Ishudeep K. Narula, Kshipra S. Karnik, **Dattatraya N. Pansare**, Rohini N. Shelke. *Eur. Chem. Bull.* **2019**, 8(4), 123-127 [ISSN: 2063-5346] (IF: 0.0). DOI:
  52. Synthesis and antimicrobial screening of 5-(substituted phenyl)-n-(2-oxo-2-(substituted phenyl)ethyl)-n-methylfuran-2-sulfonamide derivatives. S.V. Desmukh, C.D. Pawar, **D. N. Pansare**, S.L. Chavan, R.P. Pawar, M.B. Ubale. *Eur. Chem. Bull.* **2019**, 8(4), 115-122. [ISSN: 2063-5346] (IF: 0.0).
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#### Book Chapter: 16

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2. A review on synthesis of  $\beta$ -carboline and its antifungal activity. **Dattatraya Pansare**, Rohini Shelke, Rajita Ingle, Shankar Thopate, Mubarak Shaikh, Aniket Sarkate, Rajendra Pawar. **2024**, *S-Heterocycles - Synthesis and Biological Evaluation*. Springer Nature Publication.
  3. Synthesis and biological evaluation of thiazoline, thiophene and thiazole Scaffolds. **Dattatraya Pansare**, Mubarak H. Shaikh, Pravin Chavan, Bharat K. Dhotre, Rohini Shelke, Shankar R. Thopate, Rajendra P. Pawar, Keshav Ameta. **2024**, *S-Heterocycles - Synthesis and Biological Evaluation*. Springer Nature Publication.
  4. Potential of Green and Sustainable Industrial Solvents. Rohini N. Shelke, **Dattatraya N. Pansare**, Aniket P. Sarkate, Shankar R. Thopate, Shashikant V. Bhandari. **2024**, *Green chemistry for sustainable Engineering*, Cambridge scholars Publication.
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  7. A review on synthesis of imidazole and benzimidazole derivatives. **Dattatraya N. Pansare**, Rohini N. Shelke. **2024**, 10-18. *Recent Advances in Science & Technology*. Published by Royal Book Publishing. ISBN: 978-81-19821-03-7.
  8. The Significance of Grinding Methods in Heterocyclic Chemistry. Bharat K. Dhotre, Arun E. Bharade, **Dattatraya N. Pansare**. *Modern emerging trends in Chemical sciences*. First Published, **2023**, ISBN: 978-93-94766-90-7, Published by: SCIENG PUBLICATIONS Tamilnadu-604303, INDIA.
  9. Computer-Aided Drug Synthesis and Design. Mubarak H. Shaikh, Sachin P. Kunde, Vijay M. Khedkar, **Dattatraya N. Pansare**, Aniket P. Sarkate, Shankar R. Thopate. *Artificial Intelligence for Chemical Sciences Concepts, Models, and Applications*. **2023**, ISBN: 9781774918326, Pages: Est. 386pp w/index (Accepted).. *Artificial Intelligence for Chemical Sciences Concepts, Models, and Applications*
  10. Computational Tools and Techniques in Planning Organic Synthesis. Laxmi G. Kathawate, Rohini N. Shelke, **Dattatraya N. Pansare**, Aniket P. Sarkate. *Artificial Intelligence for Chemical Sciences Concepts, Models, and Applications*. **2023**, ISBN: 9781774918326, Pages: Est. 386. pp w/index (Accepted).
  11. Machine Learning-Based Toxicity Predication in Chemistry. **Dattatraya N. Pansare**, Rohini N. Shelke, Aniket P. Sarkate, Anant B. Kanagare, Ajit Dhas, Devidas S. Bhagat, Bharat K. Dhotre. *Artificial Intelligence for Chemical Sciences Concepts, Models, and Applications*. **2023**, ISBN: 9781774918326, Pages: Est. 386pp w/index (Accepted).
  12. Exploring the Range of Knowledge-based Prediction Applications in Chemistry. Rohini N. Shelke, Laxmi G. Kathawate, **Dattatraya N. Pansare**, Aniket P. Sarkate, Ajit K. Dhas, Pravin N. Chavan, Shailee V. Tiwari, Deepak K. Lokwani, Shivraj N. Mawale. *Artificial Intelligence for Chemical Sciences Concepts, Models, and Applications*. **2023**, ISBN: 9781774918326, Pages: Est. 386pp w/index (Accepted).
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13. Nano-catalyzed synthesis of pyranopyrazole and pyridine scaffolds. Ashishkumar Katariya, Ajit Dhas, Anant Kanagare, **Dattatraya Pansare**, Devidas Bhagat, Brajesh Kumar, and Satish Deshmukh. *Nanoparticles in Green Organic Synthesis*. [eBook ISBN: 9780323959223] 485-504, **2023**, [Nanoparticles in Green Organic Synthesis, Elsevier]
14. An Overview of the Synthesis of Pyrroline, Indolizine, and Quinolizinium Derivatives Using Different Nanocatalysts. [*Nanocatalysis*], **2022**. Rohini N. Shelke, Anant B. Kanagare, Satish U. Deshmukh, Saroj R. Bembalkar, **Dattatraya N. Pansare**, Keahav Lalit Ameta and Rajendra P. Pawar. Book: Nanocatalysis, Pages 53-74, Publisher: CRC Press. eBook ISBN 9781003141488.
15. Nanocatalysis: An Efficient Tool for the Synthesis of Triazines and Tetrazines. [*Nanocatalysis*], **2022**. Anant B. Kanagare, **Dattatraya N. Pansare**, Ajit K. Dhas, Rajita D. Ingle, Rohini N. Shelke, and Rajendra P. Pawar. Book: Nanocatalysis, Pages 127-146, Publisher: CRC Press. eBook ISBN 9781003141488.
16. Synthesis of (Z)-5-(substituted benzylidene)-2-((substituted phenyl) amino)thiazol-4(5H)-one analogues with antitubercular. **D. N. Pansare**, R. N. Shelke. [*Intech open*] Published: 17<sup>th</sup> July **2019**, B. P. Nandeshwarappa and Sadashiv S. O. pp. 107-116. ISSN: 978-1-83969-003-7 Book Name: Heterocycles - Synthesis and Biological Activities.

#### Conference proceeding: 03

1. Synthesis of Cu NPs and their applications via green Approaches: An Overview. Pravin Chavan, Shoeb Sayyed, Amol Ghoti, **Dattatraya Pansare**, Megha Rai, Shivaji Jadhav, Dhanraj Kamble. 43-56, **2023**.
2. An Analysis of The Groundwater's Total Dissolved Solids (TDS) At Arni Town, District-Yavatmal (MS), India Anant Kanagare, **Dattatraya Pansare**, Santosh Arade, Rajendra Pawar. 134-139, **2023**.
3. Synthesis of Imidazole and Benzimidazole: A review, **Dattatraya N. Pansare**, Rohini N. Shelke, Pravin N. Chavan, Anant B. Kanagare, Ajit K. Dhas, Vrushali N. Patil, Vaishali U. Dange, Satish V. Gaikwad, Rajendra P. Pawar. 155-164, **2023**. *National Symposium on 'Innovative Inclinations & Sustainable Technologies in Chemical Sciences (IISTCS)' on 24<sup>th</sup> & 25<sup>th</sup> February 2023 sponsored by Science & Engineering Research Board (SERB), New Delhi. ISBN: 978-93-90005-30-7*

#### Refresher/Orientation/Faculty development Programme / short term courses attended: 14

Sr. No	Online Course: FDP	Date	College
1	<b>FDP:</b> FDP on Evolution Offline to Online Teaching	<b>30/5/2020</b> to <b>03/6/2020</b>	S.P.D. College Thane
2	<b>FDP:</b> Use of ICT in Teaching-Learning (Regional Language)	<b>01/6/2020</b> to <b>06/6/2020</b>	Dr. Ghali College Gadhinglaj

3	<b>FDP:</b> Modern Teaching, Evaluation and Research Method,	<b>02/6/2020</b> to <b>07/6/2020</b>	V.P. College Vaijapur, Dist. Chhatrapati Sambhajanagar
4	<b>FDP:</b> The role of ICT in Teaching-Learning Process	<b>05/6/2020</b> to <b>10/6/2020</b>	Shri Pancham Khemraj Mahavidyalaya Sawantwadi
5	<b>FDP:</b> Open Source Tools for Research	<b>08/6/2020</b> to <b>14/6/2020</b>	Ramanujana College, Delhi. MHRD Pandit Madan Mohan Malaviya,
6	<b>FDP:</b> Contemporary issues , Assessment, Collaboration, Research and Publication	<b>15/6/2020</b> to <b>21/6/2020</b>	Swamu Sukhdevanand PG College Shahjahanpur, UP, India
7	<b>FDP:</b> Gateway to Innovation	<b>22/6/2020</b> To <b>26/6/2020</b>	S.I.M.B. College of Arts, .C.S. College of Comm. Of Sci. Khed, Ratnagiri, MH, India
8	<b>FDP:</b> Advanced Concepts for Developing MOOCs	<b>02/7/2020</b> to <b>17/7/2020</b>	Ramanujana College, Delhi. HRD Pandit Madan Mohan Malaviya,
9	UGC-Sponsored <b>refresher course</b> in chemistry	<b>28/09/2020</b> To <b>11/10/2020</b>	Organised by UGC-HRDC of Gujarat University, Ahmedabad.
10	6 <sup>th</sup> Online <b>Short Term Course</b> on Soft Skill Development	<b>07/06/2021</b> to <b>13/06/2021</b>	Organized by UGC – HRDC, Gujarat University, Ahmedabad
11	UGC-Sponsored <b>refresher course</b> in chemistry	<b>16/08/2021</b> To <b>29/08/2021</b>	Organized by UGC-HRDC Centre of Gujarat University, Ahmedabad.
12	<b>FDP</b> on MOOCs online program and education	<b>04/10/2021</b> To <b>09/10/2021</b>	Organized by UGC-HRDC JNVU Jodhpur

### Online Orientation Programme

Sr. No	Online Course: FDP	Date	College
1	Four week induction/ orientation programme for Faculty in University /College/ Institute of Higher Education	<b>04/6/2020</b> to <b>01/07/2020</b>	Ramanujana College, Delhi. MHRD Pandit Madan Mohan Malaviya
2	1 <sup>st</sup> Online Guru-Dakshata, Faculty Induction Programmes (FIP)	<b>27/07/2020</b> to <b>25/08/2020</b>	Organised by UGC-Human Resource Development Centre of Gujarat University, Ahmedabad.

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**CONFERENCE / SEMINAR/ Webinar PARTICIPATED / ATTENDED:**

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Conference / Seminar/ Webinar Participated / Attended: **100 +**

**Online Research link**

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<b>Dr. Dattatraya N. Pansare</b>		
<b>Sr. No.</b>	<b>Name</b>	<b>Link</b>
1	Scopus	<a href="https://www.scopus.com/authid/detail.uri?authorId=55623428200">https://www.scopus.com/authid/detail.uri?authorId=55623428200</a>
2	Google Scholar	<a href="https://scholar.google.sk/citations?user=sjgvxngAAAAJ&amp;hl=en">https://scholar.google.sk/citations?user=sjgvxngAAAAJ&amp;hl=en</a>
3	Orcid	<a href="https://orcid.org/0000-0002-0419-3538">https://orcid.org/0000-0002-0419-3538</a>
4	Vidwan	<a href="https://vidwan.inflibnet.ac.in/profile/176551">https://vidwan.inflibnet.ac.in/profile/176551</a>
5	Research gate	<a href="https://www.researchgate.net/profile/Dattatraya-Pansare">https://www.researchgate.net/profile/Dattatraya-Pansare</a>
6	Web of Science Researcher ID	AAK-4082-2021

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