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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 Published	:	01
☞ Patent File	:	02
☞ Research Paper Published	:	82
☞ Reviews	:	02
☞ Book Chapter Published	:	09
☞ Google scholar Citation	:	600+
☞ Google scholar h-index	:	14
☞ Google scholar i10-index	:	20

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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
  - ☞ Worked as **I/C Principal** at **ACS College Sanvatsar**, Tq- Kopergaon, Dist- Ahmednagar.
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From August 2016 to April 2017

- Worked as **Assistant Professor** at **Vinayakrao Patil Mahavidyalaya**, Vaijapur, Chhatrapati Sambhajanagar.  
From July 2014 to 30 April 2016
- Worked as **Assistant Professor** at **Deogiri College**, Chhatrapati Sambhajanagar  
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 Sambhajanagar  
**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 Sambhajanagar

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

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

**SIGNIFICANT ACHIEVEMENTS (Reviewer) [44 International Journals]**

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1. Acta Chemica Pharm 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. Brazilian Journal of Pharmaceutical Sciences
14. Chemistry Select
15. Combinatorial Chemistry & High Throughput Screening
16. Current Bioactive Compounds
17. Current Journal of Applied Science and Technology
18. Current Organic Chemistry, Bentham
19. Current Pharmaceutical Design
20. Frontiers in Chemistry
21. Future Medicinal Chemistry - Future Science
22. International Journal of Biochemistry Research & Review
23. International Research Journal of Oncology
24. Journal of Advances in Medicine and Medical Research
25. Journal of Agricultural and Food Chemistry (ACS)
26. Journal of Biochemical and Molecular Toxicology
27. Journal of Chemistry Hindawi
28. Journal of Heterocyclic Chemistry
29. Journal of Pharmaceutical Research International
30. Journal of Pharmaceutical Sciences
31. Journal of Saudi Chemical Society
32. Journal of Taibah University for Science
33. Journal of the Chinese Chemical Society
34. Letters in Applied NanoBioScience
35. Letters in Organic Chemistry

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36. Medicinal Chemistry Research
  37. Morressier
  38. Oriental Journal of Chemistry
  39. Research & Reviews: Journal of Chemistry
  40. Research on Chemical Intermediates
  41. Russian Journal of Bioorganic Chemistry
  42. Synthetic Communications
  43. Tetrahedron
  44. Vietnam Journal of Chemistry

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**PUBLICATION: 81**, (Google scholar Citation: **600+**, h-index:**14**, i10-index:**20**)

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1. 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.
2. 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**, **2023**, *Materials International* (ISSN 2668-5728).
3. 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, **2023**, *Letters in Applied NanoBioScience*. (ISSN: 2284-6808).
4. 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. **2023**, *Letters in Applied NanoBioScience*. (ISSN: 2284-6808).
5. 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. **2023**, *Letters in Applied NanoBioScience*. (ISSN: 2284-6808).
6. 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).
7. 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*, **2023**, [IF, **1.20**], ISSN 1070-3632.
8. Detection of Explosive Residues Using Nanomaterial-based Sensors: A Review. Vilas A. Chavan, Devidas S. Bhagat, Ajit K. Gangawane, K. Vijaya Babu, **Dattatraya Pansare**, Bapu R. Thorat, Ravikumar M. Borade,

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- Viney Chawla and Pooja A. Chawla. 29 December, Current Nanoscience [Bentham] [IF, 1.50], 2023. ISSN: 1875-6786.
9. 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]
  10. 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.
  11. 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.
  12. 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.
  13. 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,
  14. 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,
  15. 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,
  16. 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,
  17. 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].
  18. 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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19. 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. Sheikh. [Bioorganic & Medicinal Chemistry Letters., 67, **2022**. 128747, 0960-894X, **Impact Factor: 2.823**.]
  20. 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),
  21. 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
  22. 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.
  23. 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.
  24. 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).
  25. 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).
  26. 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.]
  27. 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)
  28. 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.
  29. 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.
30. 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, Jhalio A. Seijas. Proceedings, [ISSN 2504-3900], Proceedings, **2020**, 4, xxxx.
  31. Synthesis of substituted pyrimidine using ZnFe<sub>2</sub>O<sub>4</sub> 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.
  32. 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.
  33. 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.
  34. 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.
  35. (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.
  36. 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)
  37. 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.
  38. 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.
  39. 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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40. 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.
  41. 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.
  42. 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).
  43. 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:
  44. 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).
  45. Synthesis of 1,8-dioxooctahydroxanthene and 3,3-arylidene bis(4-hydroxycoumarin) derivatives. M. R. Walle, **D. N. Pansare**, S. S. Kamble, R. P. Pawar, Rajita D. Ingale. *Eur. Chem. Bull.* **2019**, 8(3), 101-104. [ISSN: 2063-5346] (IF: 0.0).
  46. Synthesis of novel substituted-benzo[d]thiazole2,4-dicarboxamides having kinase inhibition and anti-proliferative activity. D. D. Gaikwad, C. D. Pawar, **D.N. Pansare**, S. L. Chavan, U. D. Pawar, R. N. Shelke, S. L. Chavan, R. P. Pawar, A.M. Zine. *Eur. Chem. Bull.* **2019**, 8(3), 78-84. [ISSN: 2063-5346] (IF: 0.0). DOI:
  47. Eco-friendly, ultrasound assisted and facile synthesis of one pot multi component reaction of Acridine-1,8(2H,5H)-diones in aqueous solvent. [Journal of the Chinese Chemical Society. **2019**; 66,8, 822-828 ISSN: 2192-6549, (IF: 1.80)]. Pravin N. Chavan, **Dattatraya N. Pansare**, Rohini N. Shelke.
  48. Synthesis of some benzothiazole derivatives by using zinc oxide nanoparticles. Arun K. Deshmukh, Sanjay S. Gaikwad, **Dattatraya N. Pansare**, Rohini N. Shelke, Charansigh H. Gill. [Current Pharma Research, **2019**, 9(3), 2927-2934, ISSN-2230-7842].
  49. Synthesis of various substituted benzimidazole derivatives using various solvents used for Reaction. Arun K. Deshmukh, Sanjay S. Gaikwad, **Dattatraya N. Pansare**, Rohini N. Shelke, Charansigh H. Gill. [Current Pharma Research, **2019**, 9(3), 2919-2926, ISSN-2230-7842]
  50. Synthesis of 2-((5-benzylidene-4-oxo-4,5-dihydrothiazol-2-yl)-substituted amino acids as anticancer and antimicrobial agents. Rohini N. Shelke, Dattatraya N. Pansare, Chandraknat D. Pawar, Mininath C. Khade,
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- Vrushali N. Jadhav, Satish U. Deshmukh, Aniket P. Sarkate, Nileema S. Gore, Rajendra P. Pawar, Devanand B. Shinde, Shankar R. Thopate, [Eur. Chem. Bull. **2019**, 8(2), 63-70. [ISSN: 2063-5346] (IF: 0.0).
51. New thiazolone derivatives: design, synthesis, anticancer and antimicrobial activity. **Dattatraya N. Pansare\***, Rohini N. Shelke, Mininath C. Khade, Vrushali N. Jadhav, Chandrakant D. Pawar, Rajiv A. Jadhav, Saroj R. Bembalkar. Eur. Chem. Bull. **2019**, 8(1), 7-14. [ISSN: 2063-5346] (IF: 0.0 )
52. Synthesis and anticancer evaluation of new benzenesulfonamide derivatives. Rohini N. Shelke, **Dattatraya N. Pansare**, CD Pawar, MC Khade, VN Jadhav, Satish U. Deshmukh, Ajit K. Dhas, Pravin N. Chavan, Aniket P. Sarkate, Rajendra P. Pawar, Devanand B. Shinde, Shankar R. Thopate. Eur. Chem. Bull. **2019**, 8(1), 1-6. [ISSN: 2063-5346] (IF: 0.0)
53. Synthesis, anti-proliferative activity, SAR and Kinase inhibition studies of thiazol-2-yl- substituted sulfonamide derivatives. [Journal of the Chinese Chemical Society. **2019**; 66: 257–264. ISSN:2192-6549, (IF: 1.86)]. Chandrakant D. Pawar, **Dattatraya N. Pansare**, Devanand B. Shinde.
54. Synthesis of Eflornithine Hydrochloride and Related Substances by Novel Process. [Acta Chimica & Pharmaceutica Indica 8(2), **2018**, 1-8, ISSN: 2277-288X, (IF: 1.31)] Sanjeev R Patil, **Dattatraya N Pansare**, Ashish Arsondkar, Anil S Bobade, Devanand B Shinde.
55. Synthesis of new 3-(substituted phenyl)-N-(2-hydroxy-2-(substituted phenyl)ethyl)-N-methylthiophene-2-sulfonamide derivatives as antiproliferative agents. [European Journal of Chemistry 9 (1) (**2018**) 13-21, ISSN: 2153-2257, (IF: 0.37)]. Chandrakant D. Pawar, **Dattatraya N. Pansare**, Devanand B. Shinde.
56. Synthesis of [4+2] cycloaddition reaction by using base catalyst under ultrasonic irradiation. [World Journal of Pharmaceutical Research, **2018**, 7(5), 1171-1178, ISSN 2277– 7105]. Pravin Chavan, Shivaji Jadhav, **Dattatraya Pansare**, Mazahar Farooqui, Megha Rai .
57. Analysis of potassium and sodium metal in soil samples collected from some area of tala tertiary by flame photometry. Pravin Chavan, Dattatraya Pansare [World Journal of Pharmaceutical Research, **2018**, 7(11), 970-975, ISSN 2277– 7105].
58. Synthesis of New Substituted Thiazolidin-4-One Analogues with Anticancer and Antimicrobial Activity. (Acta Chim Pharm Indica. 7(4), **2017**, 1-12). ISSN: 2277-288X, (IF: 1.31). Shelke, R.N., **Pansare, D. N.**, Dake, S.A., Pawar, R.P. and Bembalkar S. R.
59. Synthesis and antiproliferative evaluation of new (4-substituted-3,4-dihydro-2H-benzo[b][1,4]oxazin-2-yl)methane substituted sulfonamide derivatives. European Journal of Chemistry 8(4), **2017**, 384-390. ISSN: 2153-2257, (IF: 0.37) Chandrakant D. Pawar, **Dattatraya N. Pansare**, Devanand B. Shinde.
60. Synthesis and antiproliferative activity of 3-(substituted)-4,5,6,7-tetrahydro-6-(substituted)-1H-pyrazolo[3,4-c]pyridine Derivatives. European Journal of Chemistry 8(4), **2017**, 400-409, ISSN: 2153-2257, (IF: 0.37) Chandrakant D. Pawar, **Dattatraya N. Pansare**, Devanand B. Shinde.
61. Facile synthesis of new thiazolone analogues. BIONANO FRONTIER 10 (2), **2017**, ISSN 0974-0678, Mahesh R. Walle, **Dattatraya N. Pansare**, Rajendra P. Pawar, Ingle R. D.
-

- 
62. Heavy metal analysis on road side sediments of mumbai-pune national highway using atomic absorption spectroscopy (aas) technique. *World Journal of Pharmaceutical Research*, **2017**, 6(13), 883-892, ISSN 2277–7105, Baliram T. Vibhute, **Dattatraya N. Pansare**, S. K. Patil.
63. A facile synthesis of (Z)-2-((5-(4-chlorobenzylidene)-4-oxo-4,5-dihydrothiazol-2-yl)amino)substituted acid using microwave irradiation and conventional method, [14 (7), **2017**, 517-524, *Letters in Organic chemistry*, ISSN (Online): 1875-6255, IF: 0.730]. **Dattatraya N. Pansare**, Rohini N. Shelke, Chandrakant D. Pawar. DOI: <https://doi.org/10.5155/eurjchem.8.1.25-32.1522>
64. A facial synthesis and anticancer activity of (Z)-2-((5-(4-nitrobenzylidene) -4-oxo-4,5-dihydrothiazol-2-yl)amino) substituted acid. [*Journal of Heterocyclic Chemistry*, **2017**, 54, (6), 2017, 3077–3086, ISSN: 1943-5193, IF: 1.243] **Dattatraya N. Pansare**, Rohini N. Shelke, Devanand B. Shinde.
65. Synthesis and Antimicrobial Evaluation of Novel Sulfonyl and Amide Coupling Derivatives. Chandrakant D Pawar, **Dattatraya N Pansare**, and Devanand B Shinde, *EC Microbiology* 8.1 (**2017**): 14-28.
66. Synthesis of 2-((substituted)-2-chloroquinolin-3-yl)-3-((substituted) phenyl) thiazolidin-4-one with  $\beta$ -cyclodextrin-SO<sub>3</sub>H catalyst under solvent-free condition. [*Research & Reviews: Journal of Chemistry*, 6 (1), **2017**, 24-33, ISSN:2319-9849, IF: 3.81] Rohini N. Shelke, **Dattatraya N. Pansare**, Chandrakant D. Pawar, Arun K. Deshmukh, Rajendra P. Pawar, Saroj R. Bembalkara.
67. Synthesis of 3H-imidazo[4,5-b] pyridine with evaluation of their anticancer and antimicrobial activity. [*European Journal of Chemistry* 8 (1) (**2017**) 25-32, ISSN: 2153-2257, IF: 0.803]. Rohini Shelke, **Dattatraya Pansare**, Chandrakant Pawar, Arun Deshmukh, Rajendra Pawar and Saroj Bembalkar. <https://doi.org/10.5155/eurjchem.8.1.25-32.1522>
68. Microwave and Conventional Method Assisted Synthesis of 2-(substituted) -3-(4-methoxybenzyl) Thiazolidin-4-ones Using ZrOCl<sub>2</sub>·8H<sub>2</sub>O as a Catalyst. (*Current Microwave Chemistry*, Bentham 4, (2), **2017**, 139-145, ISSN: 2213-3364, IF: 0.00). Aniket Sarkate, **Dattatraya Pansare**, Ishwari Kale and Devanand B Shinde
69. Microwave assisted copper-catalyzed synthesis of substituted benzamides through decarboxylative C-N cross coupling. (*Current Microwave Chemistry*, **2017**, 4, 163-167, ISSN: 2213-3364, IF: 0.00. Aniket P. Sarkate, **Dattatraya N. Pansare**, Kshipra S. Karnik, Ishwari A. Kale, Sushilkumar S. Bahekar, Devanand B. Shinde.
70. Synthesis of Novel 2H-Pyrano [2,3-D]Thiazole-6-Carbonitrile Derivatives in Aqueous Medium. *Research & Reviews: Journal of Chemistry*, 5(2), 29-36, **2016** ISSN: 2319-9849, IF: 3.81.] Shelke R.N., **Pansare D.N.**, Pawar C.D, Shinde D.B, Thore S.N, Pawar R.P and Bembalkar SR.
71. Synthesis and antimicrobial evaluation of novel ethyl 2-(2-(4-substituted) acetamido)-4-substituted-thiazole-5-carboxylate derivatives. *Bioorganic & Medicinal Chemistry Letters*, 26 (**2016**) 3525–3528, 0960-894X, IF: 2.454. Chandrakant D. Pawar, Aniket P. Sarkate, Kshipra S. Karnik, Sushilkumar S. Bahekar, **Dattatraya N. Pansare**, Rohini N. Shelke, Chetan S. Jawale, Devanand B. Shinde.
72. Development of new spray reagent to find a mystery behind the deaths of children`s of a single family– murder or suicide. [*World Journal of Pharmaceutical Research*, 5, (8) **2016**, 885- 889, ISSN 2277– 7105, IF: 7.523,]. Umakant D. Pawar, Chandrakant D. Pawar, **Dattatraya N. Pansare**, Devanand B. Shinde, Rajendra K. Pardeshi
73. Ultrasound mediated synthesis and biological activity of new thiazoles derivative. [*World Journal of Pharmaceutical Research*, 5, (6) **2016**, 2031-2048, ISSN 2277– 7105, IF: 7.523,]. Rohini N. Shelke, **Dattatraya**
-

---

**N. Pansare**, Chandrakant D. Pawar, Devanand B. Shinde, Shivaji N. Thore, Umakant D. Pawar, Rajendra P. Pawar, Saroj R. Bembalkar.

74. Synthesis and biological investigation of novel N-(((2- (dimethylamino)ethyl) disulfanyl) methyl) substituted amide derivatives. *World Journal of Pharmaceutical Research*, 5, (6) **2016**, 1411-1428, ISSN 2277– 7105, IF: 7.523, Chandrakant D. Pawar, **Dattatraya N. Pansare**, Rohini N. Shelke, Devanand B. Shinde
75. Synthesis and Antimicrobial Activity of new (Z)-2-((5-(4-Hydroxybenzylidene)-4-Oxo-4,5-Dihydrothiazol-2-Yl)Amino) Acid and its Derivatives. (*Research & Reviews: Journal of Chemistry*, 4(1),8-14, **2015**, ISSN:2319-9849, IF: 3.81). **Dattatraya N. Pansare**, Devanand B. Shinde.
76. A Facile Synthesis of (Z)-2-((5-(4-fluorobenzylidene)-4-oxo-4,5-dihydrothiazol-2-yl) amino) Substituted Acid using Microwave Irradiation and Conventional Method. (*Open Chemistry Journal*, 2, 40-46, **2015**, ISSN: 1874-8422, IF: 0.00). **Dattatraya N. Pansare**, Devanand B. Shinde.
77. One pot three components microwave assisted and conventional synthesis of new Thiazolidin-4-one derivatives as antimicrobial agents. Rohini N. Shelke, **Dattatraya N. Pansare**, Devanand B. Shinde, Rajendra P. Pawar, Saroj R. Bembalkar, (*Journal of Medicinal Chemistry and Drug Discovery*, **2015**,154-171, ISSN: 2347-9027 IF: 4.56).
78. One pot three components microwave assisted and conventional synthesis of new 3-(4-chloro-2-hydroxyphenyl)-2-(substituted) thiazolidin-4-one as antimicrobial agents **Dattatraya N. Pansare**, Nayeem A. Mulla, Chandrakant D. Pawar, Vikas R. Shende, Devanand B. Shinde (*Bioorganic & Medicinal Chemistry Letters*, 24, **2014**, 3569–3573, 0960-894X, IF: 2.454.).
79. A facile synthesis of (Z)-5-(substituted)-2-(methylthio)thiazol-4(5H)-one using microwave irradiation and conventional method. (*Tetrahedron Letters*, 55, **2014**, 1107-1110, ISSN: 0040-4039, **IF: 2.19**). **Dattatraya N. Pansare**, Devanand B. Shinde.
80. A novel amalgamation of 1,2,3 triazoles, piperidines and thieno pyridine rings and evaluation of their antifungal activity (*European Journal of Medicinal Chemistry*, 65, **2013**, 527-532, ISSN: 0223-5234, IF: **4.519**.) Sunil N. Darandale, Nayeem A. Mulla, **Dattatraya N. Pansare**, Jaiprakash N. Sangshetti, Devanand B. Shinde.
81. Green synthesis of tetrahydropyrimidine analogues and evaluation of their Antimicrobial activity (*Bioorganic & Medicinal Chemistry Letters*, 23, **2013**, 2632–2635, 0960-894X, IF: 2.454. Sunil N. Darandale, **Dattatraya N. Pansare**, Nayeem A. Mulla, Devanand B. Shinde.

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#### Book Chapter: 09

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1. 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.
2. 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
3. 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).
  4. 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).
  5. 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).
  6. 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]
  7. 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.
  8. 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.
  9. 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.

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#### Conference proceeding: 03

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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	FDP: FDP on Evolution Offline to Online Teaching	30/5/2020 to 03/6/2020	S.P.D. College Thane
2	FDP: Use of ICT in Teaching-Learning (Regional Language)	01/6/2020 to 06/6/2020	Dr. Ghali College Gadhinglaj
3	FDP: Modern Teaching, Evaluation and Research Method,	02/6/2020 to 07/6/2020	V.P. College Vaijapur, Dist. Chhatrapati Sambhajnagar
4	FDP: The role of ICT in Teaching-Learning Process	05/6/2020 to 10/6/2020	Shri Pancham Khemraj Mahavidyalaya Sawantwadi
5	FDP: Open Source Tools for Research	08/6/2020 to 14/6/2020	Ramanujana College, Delhi. MHRD Pandit Madan Mohan Malaviya,
6	FDP: Contemporary issues, Assessment, Collaboration, Research and Publication	15/6/2020 to 21/6/2020	Swamu Sukhdevanand PG College Shahjahanpur, UP, India
7	FDP: Gateway to Innovation	22/6/2020 To 26/6/2020	S.I.M.B. College of Arts, .C.S. College of Comm. Of Sci. Khed, Ratnagiri, MH, India
8	FDP: Advanced Concepts for Developing MOOCs	02/7/2020 to 17/7/2020	Ramanujana College, Delhi. HRD Pandit Madan Mohan Malaviya,
9	UGC-Sponsored refresher course in chemistry	28/09/2020 To 11/10/2020	Organised by UGC-HRDC of Gujarat University, Ahmedabad.
10	6 <sup>th</sup> Online Short Term Course on Soft Skill Development	07/06/2021 to 13/06/2021	Organized by UGC – HRDC, Gujarat University, Ahmedabad
11	UGC-Sponsored refresher course in chemistry	16/08/2021 To 29/08/2021	Organized by UGC-HRDC Centre of Gujarat University, Ahmedabad.

12	FDP on MOOCs online program and education	04/10/2021 To 09/10/2021	Organized by UGC- HRDC JNVU Jodhpur
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### 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	04/6/2020 to 01/07/2020	Ramanujana College, Delhi. MHRD Pandit Madan Mohan Malaviya
2	1 <sup>st</sup> Online Guru-Dakshata, Faculty Induction Programmes (FIP)	27/07/2020 to 25/08/2020	Organised by UGC- Human Resource Development Centre of Gujarat University, Ahmedabad.

### CONFERENCE / SEMINAR/ Webinar PARTICIPATED / ATTENDED:

Conference / Seminar/ Webinar Participated / Attended: 100 +

### Online Research link

<b>Dr. Dattatraya N. Pansare</b>		
Sr. No.	Name	Link
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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