

BIO-DATA



1. **Name:** Dr. SHUDDHODAN NARHARI KADAM
2. **Full Address:** Department of chemistry
Dr. Ganpatrao Deshmukh Mahavidyalaya, Sangola,
Dist: Solapur,
Maharashtra-413307
3. **Permeant address:** Ashirwad Nagar, Deshmukh Hotel Parbhani 431401
4. **Date of Birth:** 11/07/1983
5. **Category:** (SC)
6. **Educational Background**
7. **Ph. D. (Chemistry)- 2018**, Swami Ramanand University, Nanded (MS) India;
8. **Thesis Title:** “Studies on the synthesis, characterization and biological investigation of novel heterocycles”
9. **Supervisor’s Name:** Prof. Bhaskar S. Dawane
10. **M. Sc. (Chemistry)-2008**, Swami Ramanand University, Nanded (MS) India;
First class
11. **B. Sc. (Chemistry)-2006**, Swami Ramanand University, Nanded (MS) India;
Grade: First Class with Distinction.
12. Qualified National Eligibility Test (**NET**) 2009 CSIR JRF Fellow All India
Rank 439
13. Qualified **SET** Examination **2009**
14. Brief Details of Research experience

Since 2011, significant contribution has been made in science; in particular, synthesis of heterocyclic compounds possesses potential biological applications. I started my research as Ph.D. research scholar in 2014 at SRTM University. The area of research is mainly related to synthesis of bioactive molecules and the development of renewable resource based

biomacromolecules using green chemistry under the able guidance of Prof. Bhaskar S. Dawane.

15. Research Interest

- Design and synthesis of biologically potential small drug like molecules.
- Development of green methods for synthesis of small molecules.
- Development of renewable resource-based materials.
- Green synthesis of nanoparticles for biological and physical applications.

16. Research Skills and Interest

- Extensive research experience in micro scale and large scale multistep organic synthesis.
- Skilled in the interpretation of ^1H , 2D and ^{13}C NMR, IR, UV/Vis and Mass spectroscopy.
- Extensive research experience in micro scale and large scale multistep organic synthesis.
- Excellent communication and collaboration skills.
- Working Knowledge of Windows, MS Office. Chem Window. Chem. Office, Origin, Scopus.
- Conversant Report writing, paper writing, and use of Scifinder.

17. Award/Prize/Certificate etc. won by the applicant

- Awarded UGC Teacher fellowship for doing Ph.D. under XIIth plan.
- IIIrd prize in "Poster Presentation" UGC sponsored National level conference on Newest Developments in chemical sciences for civilized society (NDCSCS—2016) Dnyanopasak Mahavidyaly Parbhani 431401.
- Qualified for Avishkar 2016 11th Maharashtra state level inter university research convention by standing first in university level research festival Avishkar 2016 in Teacher Level under discipline pure science.
- P.G. teacher of PAH Solapur University Solapur
- Awarded Indian patent for the research "A rapid process for the synthesis of organic sulfide by using In situ-generated oN-Heterosulfan succinimides at room temperature"
- Ph.D. Guidship awarded by Solapur University Solapur

18. Publications

No	Description
01	Dawane, B. S., Kadam, S. N. , & Shaikh, B. M. (2010). An efficient synthesis of 1, 2, 4-triazine derivatives and their in vitro antimicrobial activity. <i>Der Pharmacia Lettre</i> , 2(4), 126-131.
02	Gaikwad, M. V., Kamble, R. D., Hese, S. V., Acharya, A. P., Mogle, P. P., Kadam, S. N. , & Dawane, B. S. (2015). Bleaching earth clay pH 12.5/PEG-400 catalytic system for synthesis of some novel α , β -unsaturated ketones (chalcones). <i>Research on Chemical Intermediates</i> , 41(7), 4673-4678.
03	Acharya, A. P., Kamble, R. D., Hese, S. V., Kadam, S. N. , Gacche, R. N., & Dawane, B. S. (2014). Eco-friendly synthesis of novel indeno-pyrazole derivatives and their in-vitro antimicrobial screening. <i>Organic Communications</i> , 7(2), 68.
04	Gaikwad, M. V., Kamble, R. D., Hese, S. V., Kadam, S. N. , Ambhore, A. N., & Dawane, B. S. Synthesis of Pyrazolo [4, 3-e] Pyrimido [1, 2-a] Pyrimidin-3-Amine Derivatives and their Antimicrobial Activity.
05	Kadam, S. N. , Ambhore, A. N., Gaikwad, M. V., Kamble, R. D., Hese, S. V., Hebade, M. J., & Dawane, B. S. (2016). Microwave assisted multicomponent reaction: An environmentally benign protocol for the synthesis of substituted imidazo [2, 1-b] thiazole-2-carbohydrazide derivatives under solvent free condition. <i>European Journal of Chemistry</i> , 7(4), 431-435.
06	Shital S.Kadam, Pratima P. Mogle, Ajay N. Ambhore, Rahul D. Kamble, Shrikant V. Hese, Shuddhodhan N. Kadam and Bhaskar S. Dawane A convenient synthesis of some new heterocycles containing dihydro-1Hpyrazolo[3,4-d]pyrimidine scaffold with potential biological activities. <i>Der Pharmacia Lettre</i> , 2015, 7 (5):73-79 ISSN 0975-5071. USA CODEN: DPLEB4
07	Ajay N Ambhore, Rahul D Kamble, Pratima P Mogle, Shrikant V Hese, Shuddhodhan N Kadam , Madhav J Hebade, Sonali S Kamble, Rajesh N Gacche, Bhaskar S Dawane An Efficient One-pot Synthesis of some New Pyrazolyl Appended 1,3,4-Oxadiazole Derivatives as Antibacterial and Antioxidant agents <i>Der Pharma Chemica</i> , 2017, 9(9):48-56 ISSN 0975-413X CODEN (USA): PCHHAX.
08	Shrikant V. Hese, Rahul D. Kamble, Pratima P. Mogle, Sonali S. Kamble, Madhav J. Hebade, Ajay N. Ambhore, Shuddhodhan N. Kadam , Rajesh N.Gacche and Bhaskar S. Dawane. Synthesis of 2-phenyl-3H-dipyrimido[1,2-a] pyrimidin-4(5H)-one derivatives and their antifungal activity. <i>Journal of Chemical and Pharmaceutical Research</i> , 2015, 7(7):784-790. ISSN : 0975-7384 CODEN(USA) : JCPRC5
09	Pratima P. Mogle, Shrikant V. Hese, Rahul D. Kamble, Madhav J. Hebade, Ajay N. Ambhore, Shuddhodhan N. Kadam , Shital S. Kadam, Sonali S. Kamble, Rajesh N. Gacche and Bhaskar S. Dawane. Synthesis and evaluation of 7,8,9,10-tetrahydro-1H-pyrimido[1,2-a]quinoline2,5-dicarbonitrile derivatives as antimicrobial agents. <i>Journal of Chemical and Pharmaceutical Research</i> , 2015, 7(7):894-900. ISSN : 0975-7384 CODEN(USA) : JCPRC5
10	A Rapid, Mild and efficient method for C-5 iodination/thiocyanation of 2-aminothiazoles. Received 29 Jun 2015, Accepted 31 Jan 2016, accepted author

	version posted online: 18 Feb 2016, Published online: 24 Jun 2016. <i>Phosphorus, Sulfur, and Silicon and the Related Elements</i> . DOI: 10.1080/10426507.2016.1149851 Taylor & Francis online.
11	Metal-Free One-pot Chemoselective thiocyanation of imidazothiazoles and 2-aminothiazoles with in situ generated N-thiocyanatosuccinimide. Received: 01.04.2018 Accepted after revision: 09.06.2018 Published online: 23.07.2018 DOI: 10.1055/s-0037-1609553; Art ID: st-2018-k0194-1 <i>Synlett</i> Thieme Publication.
12	Design, synthesis and in silico study of pyridine based 1,3,4-oxadiazole embedded hydrazenecarbothioamide derivatives as potent anti-tubercular agent. Received 1 December 2018; Received in revised form 5 March 2019; Accepted 10 March 2019 <input type="checkbox"/> Available online 13 March 2019 <i>Computational Biology and Chemistry</i> 80 (2019) 54–65. doi.org/10.1016/j.compbiolchem.2019.03.002
13	Synthesis and evaluation of 7,8,9,10-tetrahydro-1H-pyrimido[1,2-a]quinoline-2,5-dicarbonitrile derivatives as antimicrobial agents. <i>Journal of Chemical and Pharmaceutical Research</i> , 2015, 7(7):894-900 ISSN : 0975-7384 CODEN(USA) : JCPRC5
14	Metal-free efficient thiolation of C(sp ²) functionalization via in situ-generated NHTS for the synthesis of novel sulfenylated 2-aminothiazole and imidazothiazole, <i>New Journal of Chemistry</i> (RSC), New J. Chem., 2021,45, 4632 DOI: 10.1039/d0nj05904h
15	"Design, Synthesis, and Biological Testing of Pyrazoline Derivatives of Combretastatin-A4: A Quest for Anticancer, Anti-Inflammatory, and Antioxidant Agents." <i>Polycyclic Aromatic Compounds</i> (2023): 1-17.
16	"Metal-free efficient thiolation of C (sp ²) functionalization via in situ-generated NHTS for the synthesis of novel sulfenylated 2-aminothiazole and imidazothiazole1." <i>New J. Chem</i> 45 (2021): 4632–4637.
17	"Synthesis of Pyrazolo [4, 3-e] Pyrimido [1, 2-a] Pyrimidin-3-Amine Derivatives and their Antimicrobial Activity." <i>Journal of Pharmaceutical, Chemical and Biological Sciences</i> ISSN: 2348-7658 UGC Approved Journal CODEN: JPCBBG Impact Factor (GIF): 0.701
18	A Short Synthesis of Carbazole Alkaloids Murrayanine and Mukonine <i>Chemical Methodologies</i> 5(2021) 341-347

H. symposia/seminars etc.

01	National conference on Recent advancements in studies of metal complexes 15-16 March 2008 N.E.S. Science college Nanded (MS)
02	International conference on Drug Discovery and Nanotechnology January 27-28, 2008. At Department of chemistry, Yeshwant Mahavidyalaya, Nanded.
03	Recent instrumental techniques in coordination chemistry held at Shri Chhatrapati

	Shivaji college Omerga DistOsmanabad on 23 Janaury 2011.
04	Presented paper at 17 th International conference on Expanding horizons in chemical and biologicala sciences: Innovations crossroads (ISCBC-2012) held at School of chemical sciences Solapur University Solapur held on 21 st -24 th January 2012
05	National seminar on Advanced syntheses of Nanomaterials and their applications held at Karmaveer Bhaurao Patil Mahavidyalaya Pandharpur, Dist. Solapur at 17-18 Sep. 2012.
06	2 nd International conference on Emerging trends in chemical sciences (ETCS)-2012 held at School of chemical sciences Solapur University Solapur on 2 nd and 4 th November 2012.
07	Worked as a resource person for state level workshop on Spectroscopic structural elucidation of organic compounds. held at Sangola college Sangola Dist, Solapur. On 1 st and 2 nd Oct. 2013.
08	Presented a Poster at International conference on Emerging Horizons in Biochemical Sciences and Nanomaterials (EHBCSN-2013). Held at Shri Shivaji mahavidyalaya, Barshi. Dated 28 th – 30 th November 2013.
09	“One day national conference on Frontiers in chemical sciences” on 30 th June 2014 held at School of chemical science Solapur University Solapur.
10	Presented poster at “National seminar on recent trends in nanomaterial and their applications” held at Sangola college Sangola on 23 rd and 24 th January 2015.
11	Presented poster at UGC-SAP Sponsored international conference on New Horizons in synthetic and materials chemistry (ICSMC-2015) held at Department of Chemistry University of Mumbai during 26-28 November 2015.
12	Presented poster at International conference on Functional materials @ Nanoscale: Concerns and Challenges (ICFMNCC-2015) held at Karmaveer Bhaurao Patil Mahavidyalaya Pandharpur, Dist. Solapur. On 9-11 March 2015.
13	“National level conference on Recent Trends and Advances in Chemical Sciences” held at B. Raghunath Arts, Commerce and Science College, Parbhani on 12-13, January, 2016.
14	Oral paper presentation at National conference on “Advances in Applied, Physical, Chemical and Life Sciences” held at Dr. D.Y. Patil arts, commerce and science college Pimpri, pune-18. Dated 2 rd and 4 th February, 2016.
15	III rd Prize winner poster presentation at National Conference on Newest Developments in Chemical Sciences for Civilized Society (NDCSCS-2016) held on 9 th and 10 th December, 2016 at Dnyanopasak College of Arts, Commerce and Science, Parbhani.
16	Presented Poster at National conference on “Emerging Trends and Challenges In

	Synthetic And Nanochemistry” held at Rajarshi shahu mahavidyalaya, Latur on 11 th and 12 th March, 2016.
17	National conference on “Bioactive Molecules and their Therapeutic Values: Current Satus (BMTVCS-2016)” held at School of life sciences, SRTMU Nanded. During 13 th and 14 th March 2016.
18	Presented poster at “International Conference on Nature inspired initiatives in chemical trends” held at CSIR-Indian Institute of Chemical Technology Hyderabad, India. On 19 th and 20 th September 2016.
19	Qualified and presented poster at 11 th Maharashtra state level inter “university research convention Avishkar-2016” in TH Level under discipline pure science.
20	Presented a poster at “21 st CRSI National Symposium in Chemistry” Held at CSIR-Indian Institute of Chemical Technology, Hyderabad, India. On 14 th and 16 th July 2017.
21	Presented Poster at International Conference on “Go Green” Held at Chandmal Tarachand Bora College, Shirur (MS), India during 12 th and 13 th January 2017.
22	Participated in National conference on “dielectric relaxation and spectroscopic techniques (NCDRAST-2017)” Held at School of Physical Sciences, SRTMU Nanded. On 14 th and 15 th December 2017.
23	Participated in one day National seminar on “Recent Advances in Standardization of Herbal Drugs” Held on 23 rd Augest, 2017 at RUSA Centre for Herbo Medicinal Studies, SRTMU Nanded
24	Presented a research paper in State level seminar on “Recent Trends in Physical, Mathematical, Chemical and Life Sciences for make in India” held at Amruteshwar Arts, Commerce and Science College Vinzar, Tal Velhe, Dist Pune. At 1 st and 2 nd February 2018
25	International conference on Recent advances in physical and chemical sciences at sangola college sangola at 22 nd January 2020
26	Swayam Arpit online course certification of online refresher course in chemistry for higher education
27	Webinar on Artificial intelligence and its applications organized by department of computer science, S. M. Dr. Bapuji salunkhe college Miraj at 28/05/2020

28	Webinar on Transformational role of technology in higher education by Jaipuria institute of management affiliated to Dr. A. P. J. Abdul kalam technical university, uttar Pradesh, Lucknow. At 30 May 2020.
29	One day National webinar on Pandemic COVID 19: psychological issues and solutions at Navyug kanya Mahavidyalaya Rajendra Nagar, Lucknow 226004. At 26 May 2020.
30	Ugc sponsored Refresher course in Environmental Sciences at HRDC Guru Nanak Dev University, Amritsar. From 10-12-2019 to 23-12-2019.
31	One week inter disciplinary Faculty development programme on Sahitya, Media, Manocigyan aur vanijya ke vividh aayam from 29 may to 03 june 2020. By ministry of human resource development pandit madan mohan malaviya National mission on teachers and teaching.
32	Two days' international conference on Smart materials for sustainable development, energy and environmental applications (SMSDEEA-2023) organized by department of physics, chemistry and electronics orally presented a paper entitles Eco-friendly one pot three component synthesis of quinolone-3-carbonitrile derivatives.
33	International conference on Recent advances in chemistry and their applications in emerging areas (ICRAC-2023) oral presentation
34	National seminar on Recent trends in chemical sciences (RTCS-2022) oral presentation
35	International conference on Proteomics application to biomedical research held at vidnyan mahavidyalay sangola

I. Workshop Attended

01	Solapur university, Solapur "one day workshop on syllabus discussion at B.Sc. III" organized by D.B.F. Dayanand College of Arts and Science, Solapur on 7 th October 2012.
02	One day workshop on "API Score calculation" held on 7 th January, 2014 Organized by Vidnyan Mahavidyalaya, Sangola.

03	One day workshop on the Advances in instrumentation and microwave technology sponsored by Labindia analyticals organized by School of chemical sciences SRTMU Nanded. Held on 19 th January 2016.
04	Workshop on Interlectual property rights (IPR) held on 24 th August 2016 at SRTMU Nanded.
05	Participated in One day awareness program on “Free open source software (FOSS)” held at School of Mathematical Sciences SRTMU Nanded on 10 th Jan 2018

J. Patent awarded

1.	“A RAPID PROCESS FOR THE SYNTHESIS OF ORGANIC SULFIDE BY USING IN SITU-GENERATED N-HETEROSULFANYLSUCCINIMIDES AT ROOM TEMPERATURE” Patent No. 358284, Date 09/04/2018
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OTHER RELEVANT INFORMATION

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<u>Citations</u>	122	100
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Date:

Signature

Shuddhodan Narhari Kadam