

Dr. Hari K. Kadam

(Ph.D, CSIR-UGC-NET, GATE)

Assistant Professor (Chemistry)

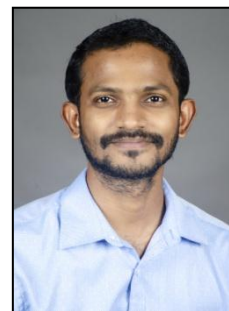
School of Chemical Sciences

Goa University

Taleigao Plateau, Goa – 403206

Phone: +919922701297

Email: harikadam@unigoa.ac.in; harikadam05@gmail.com



<https://publons.com/researcher/2405487/hari-k-kadam>

<https://scholar.google.co.in/citations?hl=en&user=G5G1n8AAAAJ>

Area of Research:

Synthetic Organic Chemistry, (Heterocyclic Chemistry, Organic Methodologies, Cross coupling reactions) Green Chemistry, Medicinal Chemistry, Continuous Flow Chemistry, Analytical Chemistry, Method Development, (HPLC, GC).

Professional Highlights:

Assistant Professor in School of Chemical Sciences, Goa University, Goa since June 2020.

Recognised PhD Guide of Goa University (2019).

Recognised PostGraduate Teacher of Goa University (2017).

Assistant Professor in Department of Chemistry, St. Xavier's College, Goa from July 2014 till June 2020.

Academic Qualifications:

Degree	Year	Grade/Class	Board/University
Ph.D (CHEMISTRY)	2015	QUALIFIED	GOA UNIVERSITY
M.Sc. (ORGANIC CHEM.)	2009	DISTINCTION	GOA UNIVERSITY
B.Sc (CHEMISTRY)	2007	DISTINCTION	GOA UNIVERSITY
H.S.S.C.	2004	FIRST CLASS	GOA BOARD
S. S.C.	2002	FIRST CLASS	GOA BOARD

Academic Achievements:

1. Cleared CSIR-UGC NET with UGC-JRF (DECEMBER 2008);
2. Cleared CSIR-UGC NET with **CSIR-JRF** securing **17th/973 All India Rank** (JUNE 2010);
3. Cleared **GATE** securing **585th/10608 All India Rank** (2011);

Professional Appointments:

1. Recognised as Ph.D Guide of Goa University in the subject of Organic Chemistry. (2019)
2. VC Nominee in Departmental Research Committee of Chemistry Department at Goa University.
3. Recognised as Post-Graduate teacher of Goa University in the subject of Organic Chemistry. (2017)
4. Member of Board of Studies for undergraduate and postgraduate courses in Chemistry at Parvatibai Chowgule College (Autonomus), Goa. (2018-2020)
5. Mentor in Chemistry for NET-SET training sessions conducted by Directorate of Higher Education, Govt. of Goa. (2018)

Referee for International Journals:

1. Current Organic Chemistry (Publisher – Bentham Science, ISSN: 1875-5348)
2. Journal of Heterocyclic Chemistry (Publisher – Wiley, ISSN: 1943-5193)
3. ChemistrySelect (Publisher – Wiley, ISSN: 2365-6549)

Invited Lectures:

1. Delivered lecture on Career in Chemistry at Parvatibai Chowgule College (Autonomus), Goa on 11th March 2016.
2. Delivered lecture as resource person and Invited Guest for the National Science Day Program at Keerti Vidyalaya, Siolim, Bardez, Goa on 28th February 2018.
3. Delivered a lecture entitled “Competitive Exam for Graduates for National Services” for the NSS students at St. Xavier’s College, Mapusa, Goa on 03rd March 2018.
4. Delivered a session as resource person on “Internet Resources for Teachers” at PES RSNs College, Farmagudi, Ponda, Goa on 24th April 2018.

Professional Membership:

1. Life Member of Chemical Research Society of India (CRSI).
2. Life Member of Chemistry Department Faculty & Alumni Association (CDFAA), Goa University.
3. Life Member of Vidnyan Parishad Goa.
4. Treasurer, University College Teachers Association Goa (UCTAG) – St. Xavier’s College Unit (2015-2016).
5. Secretary, University College Teachers Association Goa (UCTAG) – St. Xavier’s College Unit (2016-2019).
6. Treasurer, University College Teachers Association Goa (UCTAG) – St. Xavier’s College Unit (2019-2020).

Awards and other Achievements:

1. Awarded BEST RESEARCHER AWARD for College Faculty by Chemistry Department Faculty & Alumni Association CDFAA, Goa University (2019)
2. Selected in IIT BOMBAY for Ph.D. (2009).
3. Awarded **GOLD MEDAL** at the hands of **His Excellency S. S. SIDDHU, Governor of Goa** in the presence of Honourable President of India, PRATIBHA DEVISINGH PATIL for securing FIRST RANK in M.Sc. Exam (2009).
4. Secured 2nd position in M. Sc CHEMISTRY QUIZ (2008).
5. Cleared NATIONAL GRADUATE PHYSICS EXAMINATION securing top 10% position. (2005-06)

Additional Qualification:

Course	Institution	Period	Grade
Diploma in COMPUTER MANAGEMENT	Lila Infotec, Vasco, Goa	Six Months (2004)	A
Certificate Course in ELECTRONIC APPLIANCE MAINTAINANCE	Chowgule College, Margao, Goa	One Year (2005-2006)	O

Extra-curricular Achievements:

Passed N.C.C. (Navy) certificate A exam with B Grade (2001).

Work & Training Experiences:

1. Worked for 6 years as Asst. Professor in Chemistry at St. Xavier's College, Mapusa, Goa (2014-2020)
2. Worked for 10 months as part-time faculty (Computer Instructor) at Lila Infotec, Vasco, Goa (2004-05);
3. Undergone one month training in Entrepreneurship Development Programme conducted by Ministry of Small Scale Industries, Govt. of India (June 2006);
4. Undergone 45 days training in Quality Control & Quality Assurance Department & Development Centre at Sanofi Aventis, Verna, Goa (2008).
5. Visiting Faculty for the MSc students at PostGraduate Department of Chemistry, St. Xavier's College, Mapusa, Goa (2015-18).

PhD students (Ongoing):

Student Name	PhD topic	Registration Date	Full/Part Time	NET/SET	Support
Kathleen C. Pinto	Synthetic Studies of Medicinally Important Isoxazoles, Pyrazoles, and Related Heterocycles using Green Methods	17 th September 2019	Part Time	SET	Faculty, St. Xavier's College, Mapusa
Lalitprabha N. Salgaonkar	Synthetic Studies of Medicinally Important fused Oxygen and/or Nitrogen Heterocycles	18 th September 2019	Part Time	-	Scientist, Syngenta BioSciences Ltd.
Asmita S. Naik Gaonkar	Synthetic Studies of Anticancer focused fused Heterocyclic Compounds through Nobel Metal Catalysed Methodologies	20 th February 2020	Part Time	SET	Faculty, Govt. College, Quepem

Research Project (Completed/Ongoing):

Funding agency	Project topic	Period	Total funding Rs.
Govt. of India - Science & Engineering Research Board, (SERB)	Synthesis of Novel Indolopyranocoumarins, Indolocarbazolocoumarins and Cytosinocoumarins and Study of their Antioxidant and Antiglycosidase Activity	2016-2019	28,52,434 /-
Govt. of Goa – Department of Science & Technology	Synthesis of Novel Coumaryl Pyrazoles and Coumaryl Pyrazolones and Study of their Antioxidant and Antiglycosidase Activity	2019-2020	2,00,000

Conferences & Presentations:

1. Presented paper entitled “Synthesis and antimicrobial studies of (*E*)-Oxoalkenoic acids” in poster presentation at RSC-West India Section Ph.D Students Symposium in Goa University, Goa (3rd - 4th September 2010);
2. Presented paper entitled “Concise synthetic approach towards Indoloquinolines” in poster presentation at National Conference on Recent Trends in Organic Synthesis in Bharathidasan University, Trichy, Tamilnadu (24th -26th February 2011);
3. Attended two days symposium entitled “Chemistry in Human Well-being: Emerging Opportunities and Challenges” in Goa University, Goa (4^t - 5th March 2011);
4. Attended J-NOST Conference for Research Scholars in IISER-Mohali, Punjab (15th - 18th December 2011);
5. Participated in the conference on “Chemical (Industrial) Disaster Management (CIDM): Chemical, Pharmaceutical & Hydrocarbon Industry” organized by Federation of Indian Chambers of Commerce and Industry at Cidade De Goa, Goa (16th – 18th April 2013);
6. Presented paper entitled “Exploring Reductive Cyclisation for synthesis of 6H-Indolo[2,3-*b*]quinolines and 6*H*-Isoindolo[2,1-*a*]indol-6-ones” in poster presentation at J-NOST Conference for Research Scholars in IISER-Bhopal, Madhya Pradesh (4th - 6th December 2013).
7. Presented paper entitled “Improved Synthesis of 6H-indolo[2,3-*b*]quinolines” in poster presentation at International conference on Green Chemistry in Goa University, Goa (22nd - 24th January 2015).
8. Presented paper entitled “Synthesis of 6H-indolo[2,3-*b*]quinolines” in Oral presentation at International Conference on Agriculture, Science, Technology, Management & Social Science 2016, in Carmel College, Goa (10th - 12th November 2016).
9. Presented paper entitled “Pivalic Acid assisted Synthesis of medicinally important Heterocycles” in poster presentation at National Seminar on Recent Advances in Applied Chemistry and Electronic Technologies, in St. Xavier’s College, Goa (16th – 17th February 2018).
10. Presented paper entitled “Pivalic Acid assisted synthesis of Benzimidazoles” in poster presentation at International Symposium on New Trends in Applied Chemistry, in Sacred Heart College, Kochi, TamilNadu (14th - 15th January 2019).

Publications in International & National Journals:

1. Pivalic acid assisted synthesis of Dihydropyrimidinones and Dihydrothiopyrimidinones, **Hari K. Kadam**, Anushri Laxman Gawas, Shruti Sagun Vernekar, Anika Arjun Chodankar, Saurabh Sudan Gaonkar, Lalitprabha N. Salgaonkar, Tushar S. Anvekar, Teotone Vaz, Shashank N. Mhaldar, *Indian J. Chem.B*, **2020**, 59B, 677-681. (ISSN 0975-0983) (IF 0.525) DOI: <http://nopr.niscair.res.in/handle/123456789/54571>
2. Unique Synthesis of Isochromenoindolone via reductive-oxidative cyclisation approach, **Hari K. Kadam** and Santosh G. Tilve, *Indian J. Chem.B*, **2019**, 58B, 104-108. (ISSN 0975-0983) (IF 0.525) DOI: <http://nopr.niscair.res.in/handle/123456789/45703>
3. 6H-Indolo[2,3-b]quinoline: A recent synthetic comprehension, (Review) **Hari K. Kadam** and Santosh G. Tilve, *Mini-reviews in Organic Chemistry* **2019**, 16, 35-42. (ISSN 1875-6298) (IF 1.095) DOI: 10.2174/1570193X15666180528103548
4. Domino Bischler-Napieralski - Michael reaction and oxidation, a new route to Coumarin-Pyrrole-Isoquinoline fused pentacycles, Ketan S. Mandrekar, **Hari K. Kadam** and Santosh G. Tilve, *Eur. J. Org. Chem.* **2018**, 6665–6670. (ISSN 1099-0690) (IF 2.882) DOI: 10.1002/ejoc.201801244
5. Oxidative route to Pyrroloisoquinoline-2,3-dione, **Hari K. Kadam** and Santosh G. Tilve, *ARKIVOC* **2018**, iii, 184-190. (ISSN 1551-7012) (IF 1.031) DOI: <https://doi.org/10.24820/ark.5550190.p010.433>
6. Facile convergent route to Indoloquinolines, **Hari K. Kadam**, Deesha D. Malik, Lalitprabha Salgaonkar, Ketan Mandrekar and Santosh G. Tilve, *Synth. Commun.* **2017**, 47, 1980-1984. (ISSN 0039 – 7911) (IF 1.134) DOI: 10.1080/00397911.2017.1359303
7. An alternate synthesis of 6H-Indolo[2,3-b]quinoline via one-pot Alkylation-Dehydration Cyclisation-Aromatization approach, **Hari K. Kadam** and Santosh G. Tilve, *J. Heterocyclic Chem.* **2016**, 53, 2066-2069. (ISSN 1943-5193) (IF 0.893) DOI: 10.1002/jhet.2213
8. Isoindoloindolones - biological activities and syntheses; (Review) **Hari K. Kadam**, Santosh G. Tilve; *ARKIVOC*, **2015**, vi, 524-539. (ISSN 1551-7012) (IF 1.096) DOI: <http://dx.doi.org/10.3998/ark.5550190.p009.316>
9. Advancement in methodologies for reduction of Nitroarenes; (Review) **Hari K. Kadam**, Santosh G. Tilve; *RSC Advances*, **2015**, 5, 83391–83407. (ISSN 2046-2069) (IF 3.289) DOI: 10.1039/c5ra10076c
10. MoO₂Cl₂: Versatile Catalyst for Organic Reactions, **Hari K. Kadam**, *Synlett* (spotlight), **2014**, 25, 1793-1794. (ISSN 0936-5214) (IF 2.419) DOI:10.1055/s-0034-1378226

11. Intramolecular Diels-Alder reaction as a key step in tandem or sequential processes: A versatile tool for the synthesis of fused and bridged bicyclic or polycyclic compounds, (Review) Prakash T. Parvatkar, **Hari K. Kadam** and Santosh G. Tilve, *Tetrahedron*, **2014**, *70*, 2857-2888. (ISSN 0040-4020) (IF 2.641) DOI:10.1016/j.tet.2014.02.048
 12. Synthesis of 6*H*-Isoindolo[2,1-*a*]indol-6-ones through Wittig Reaction and Tandem Reductive Cyclization–Lactamization, **Hari K. Kadam** and Santosh G. Tilve, *Eur. J. Org. Chem.* **2013**, 4280-4284. (ISSN 1099-0690) (IF 3.154) DOI:10.1002/ejoc.201300047
 13. Graphite catalyzed green synthesis of quinoxalines, **Hari K. Kadam**, Salman Khan, Rupesh A. Kunkalkar and Santosh G. Tilve, *Tetrahedron Lett.* **2013**, *54*, 1003-1007. (ISSN 0040-4039) (IF 2.391) DOI:10.1016/j.tetlet.2012.12.041
 14. Copper(II) bromide as a procatalyst for in situ preparation of active Cu nanoparticles for reduction of nitroarenes, **Hari K. Kadam** and Santosh G. Tilve, *RSC Advances*, **2012**, *2*, 6057-6060. (ISSN 2046-2069) (IF 2.562) DOI:10.1039/c2ra20371e
 15. A concise synthesis of 6*H*-indolo[2,3-*b*]quinolines: Formal synthesis of Neocryptolepine, **Hari K. Kadam**, Prakash T. Parvatkar and Santosh G. Tilve, *Synthesis*, **2012**, *44*, 1339-1342. (ISSN 0039-7881) (IF 2.500) DOI:10.1055/s-0031-1290812
 16. Synthesis of 2,2'-Biindole: Formal Synthesis of Arcyriaflavin-A and Staurosporinone (K-252c), P. T. Parvatkar, **H. K. Kadam**, P. S. Parameswaran and S. G. Tilve, *Asian J. Chem.* **2012**, *24*, 2213-2215. (ISSN 0970-7077) (IF 0.253)
 17. Synthesis and Anti-microbial studies of (*E*)-4-Oxoalk-2-enoic acids, Reshma Kurangi, **Hari Kadam**, Santosh Tilve and Savita Kerkar, *J. Chem. Pharm. Res.* **2010**, *2*, 83-89. (ISSN 0975 – 7384) (IF <0.1)
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