Curriculum Vitae

Dr. Kedar Ashok Undale

M.Sc., SET, Ph.D. Organic Chemistry

Assistant Professor



Permanent Address:
"Anandi" 167/2, Plot A1,
Near Hanuman Mandir,
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Kolhapur, Maharashtra
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Personal Details:

Date of Birth	:	29th July, 1984
Gender	:	Male
Nationality	:	Indian
Caste-Subcaste	:	Hindu-Shimpi
Blood Group	:	"A" +ve

Educational Qualifications:

Degree/ Course	University/Board	Subject/Specialization	Year of Passing	Marks/Class
Ph.D.	Shivaji University, Kolhapur	Organic Chemistry	Oct. 2011	--
M.Sc.	Shivaji University, Kolhapur	Organic Chemistry	Apr. 2007	68.00 % Ist Class
B.Sc.	Shivaji University, Kolhapur	Chemistry	Apr. 2005	78.84 % Ist Class with Dist.
H.S.C.	Kolhapur Board	Physics, Chemistry, Biology	Feb. 2001	73.00 % Ist Class
S.S.C.	Kolhapur Board	Languages, Science, Social science, Maths	March 1999	73.33 % Ist Class

- Doctor of Philosophy, Organic Chemistry January 2009- October 2011
  Ph.D. Degree Awarded on 03rd Oct 2011
  Dept. of chemistry, Shivaji University Kolhapur, Maharashtra, India.
  Title: **"Organic Transformations Involving Carbonyl Compounds as Precursor"**
  Under the guidance of
  Dr. D. M. Pore (M.Sc., Ph.D.)
  Assistant Professor in Organic Chemistry
  Deparment of Chemistry
  Shivaji University Kolhapur, Maharashtra, India

Research Thrust area:

1. Organic Synthesis, Catalysis
2. Heterocyclic Synthesis and Applications
3. A Green Chemistry approach for Organic transformation

Other Achievements:

- Junior Research Fellow from UGC New Delhi, India.
  April 2008-March 2011

List of Publications:

1. "Potassium phosphate catalyzed efficient synthesis of 3-carboxycoumarins".
   K.A. Undale, T.S. Shaikh, U. V. Desai, D. S. Gaikwad, D.M. Pore
   Indian Journal of Chemistry Section B:Organic and Medicinal Chemistry 51 (2012) 1039-1042.

2. "One-pot multi-component synthesis of polyhydroquinolines at ambient temperature".
   K.A. Undale, T.S. Shaikh, D. S. Gaikwad, D.M. Pore *C. R. Chimie* 14 (2011) 511-515.

3. "An Efficient Multi-component Synthesis of (2-Amino-3-cyano- 4H-chromen-4-yl) phosphonic Acid Diethyl Ester".
   D. S. Gaikwad, K.A. Undale, T.S. Shaikh, D.M. Pore *C. R. Chimie* 14 (2011) 865-868.

4. "Envirocat EPZ-10: An Efficient Catalyst for The Synthesis of 3-acetoacetylcoumarins".
   T.S. Shaikh, K.A. Undale, D. S. Gaikwad, D.M. Pore *C. R. Chimie* 14 (2011) 987-990.

5. "A green protocol for catalyst-free synthesis of 1-oxo-hexahydroxanthenes in aqueous medium".
   T.S. Shaikh, K.A. Undale, D. S. Gaikwad, D.M. Pore *C. R. Chimie* 13 (2010) 1429–1432.

6 . "Green access to Synthesis of Novel Spiropyranopyranozoles".
   P. B. Patil, K. A. Undale, D. S. Gaikwad, J. D. Patil, P.G. Hegade, D.M. Pore *Tetrahedron Letters* 54 (2013) 5876-5878.

7. "Green access to synthesis of Spiropyranopyranopyazole".
   P. G. Hegade, D. S. Gaikwad, P. B. Patil, J. D. Patil, K. A. Undale, D. M. Pore *Letters in Organic Chemistry* (2013) Article in press.

8. "Catalyst-free synthesis of Pseudo benzopyranopyrimidines".
   T.S. Shaikh, D. S. Gaikwad, J. D. Patil, P.G. Hegade, P. B. Patil, K. A. Undale, D. M. Pore NISCAIR-CSIR, India (2014).

9. "Triton X-100 stabilized Pd nanoparticles and their catalytic application in one-pot sequential Heck and Hiyama coupling in water"
   D. S. Gaikwad, K. A. Undale, D. B. Patil, D. M. Pore, A. A. Kamble
   Research on Chemical Intermediates, 1-11 (2017)

10 "In-situ-generated palladium nanoparticles in novel ionic liquid: an efficient catalytic system for Heck–Matsuda coupling"
   D. S. Gaikwad, K. A. Undale, D. B. Patil, D. M. Pore, S. N. Korade, A. A. Kamble

Research on Chemical Intermediates, 1-14 (2017)

11. "A task-specific biodegradable ionic liquid: a novel catalyst for synthesis of bicyclic ortho-aminocarbonitriles"
D. S. Gaikwad, K. A. Undale, D. B. Patil, D. M. Pore, A. A. Kamble, A. A. Patravale
Journal of the Iranian Chemical Society, 2018
12. "A new dual basic ionic liquid promoted synthesis of spiro[naphthalene -2,5′-pyrimidine]-4-carbonitrile"
Gaikwad, D.S., Gawade, V.B., Kamble, A.B.,Patil, D.B., Pore, D.M., Undale K. A.
Research on Chemical Intermediates 2018
13. "Multi-functionalized ionic liquid with in situ-generated palladium nanoparticles for Suzuki, Heck coupling reaction: a comparison with deep eutectic solvents"
Gaikwad, D.S., Undale, K.A., Patil, D.B., Pore, D.M.
Journal of the Iranian Chemical Society 2019

Participation in Conferences/ Workshops/ Seminars:

1. Presented a poster in National seminar on "Advanced Synthetic Methodologies and Functional Materials" 2009 organized by Dept. of chemistry Shivaji University Kolhapur, Maharashtra, India.
2. Attended a National seminar on "Advances in Coordination chemistry" August 2010 organized by Rajarshi Chhatrapati Shahu college, Kolhapur Maharashtra, India.
3. Presented a poster in National seminar on "Applications of Spectroscopic Methods in Chemical Science, (ASMCS-2010)" organized by Arts, science college of Parner, Ahmadnagar, Maharashtra, India.
4. Presented a poster in National seminar on "Advanced Synthetic Methodologies and New Materials" 2011 organized by Dept. of chemistry Shivaji university Kolhapur, Maharashtra, India.
5. Poster presented in National Conference on "Recent Trends in Organic Synthesis" Feb-2011 organized by Bhartidasan University, Tiruchirapalli, Tamilnadu, India.
6. Attended a National conference on "Current Research in Chemical Sciences" Jan 22 & 23 2013, organized by Dept. of chemistry Shivaji university Kolhapur, Maharashtra, India.
7. Participated in one day workshop on "Metallography of Cast Iron & Steel" held on 20th March, 2017 at Vivekanand College, Kolhapur
8. Attended one day workshop on "Intellectual Property Rights and Drafting Patents" held on 19th Feb., 2019 at Vivekanand College (AUTONOMOUS), Kolhapur

9. Participated in one day National Seminar on “Development of Quality Culture in HEIs” held on 15th March, 2019 at Vivekanand College(AUTONOMOUS), Kolhapur
10. Attended the two day workshop on “e-content Development For Enhancing Pedagogical Skills” held on 18-19th March, 2019 at Vivekanand College (AUTONOMOUS), Kolhapur

Declaration:

I hereby declare that particulars in the resume are correct to the best of my knowledge. Thank you for pursuing my personnel information.

Yours faithfully

Dr. K. A. Undale