Faculty Profile

1. **Name in Full** : **Mr. Dewal Sureshrao Deshmukh**
2. **Address for correspondence** : 'Shree Dattakrupa', Rasegao road, Kakda, Teh- Achalpur, Dist- Amravati 444808.
   Mob. +91 8275418969/ 8668981960
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3. **Date of Birth** : 23rd May 1990
4. **Designation** : Assistant Professor, Department of Chemistry, Shri Shivaji College of Arts, Commerce & Science, Akola
5. **Educational Qualification** :

Degree	Year	University
B.Sc.	2011	Sant Gadge Baba Amravati University, Amravati
M.Sc.	2013	Savitribai Phule Pune University, Pune
B.Ed.	2014	Sant Gadge Baba Amravati University, Amravati
GATE	2014	
SET	2015	
Ph.D. (Thesis submitted)	2020	Institute of Chemical Technology, Mumbai

6. **Teaching Experience** : Total 01 year 3 months
7. **Research Experience** : 05 years as Ph.D. research fellow in the field of synthetic methodology and catalysis
8. **Guidance rendered to research scholars** : 03 M.Sc. student for master's degree project
9. **Professional membership and other expertise** : Life Member of Amravati University Chemistry Teachers Association

10. Project Completed : -

11. Books written : Book chapter entitled ‘Insights into Sustainable C–H Bond Activation’ for Springer Publications (Under preparation)

12. Research Publications :

1. Rapid and Atom Economic Synthesis of Isoquinolines and Isoquinolinones by C-H/N-N Activation using Homogeneous Recyclable Ru(II) Catalyst in PEG Media; D. S. Deshmukh, N. Gangwar and B. M. Bhanage; **Eur. J. Org. Chem.** 2019, 18, 2919-2927. (Impact factor: 3.029)

2. Ruthenium-Catalyzed Annulation of N-Cbz Hydrazones via C–H/N–N Bond Activation for the Rapid Synthesis of Isoquinolines; D. S. Deshmukh and B. M. Bhanage; **Synthesis** 2019, 51, 2506-2514. (Impact factor: 2.867)

3. Cp*Co(III)-catalyzed annulation of azines by C–H/N–N bond activation for the synthesis of isoquinolines; D. S. Deshmukh, P. A. Yadav and B. M. Bhanage; **Org. Biomol. Chem.** 2019,17, 3489-3496. (Impact factor: 3.490)

4. Cp*Co(III) catalyzed annulation of N-Cbz hydrazones for the redox-neutral synthesis of isoquinolines via C-H/N-N activation; D. D. Subhedar, D. S. Deshmukh and B. M. Bhanage; **Synthetic Communications** 2019, Article in press. (Impact factor: 1.439)

5. N-Tosylhydrazone directed annulation via C-H/N-N bond activation in Ru(ii)/PEG-400 as homogeneous recyclable catalytic system: a green synthesis of isoquinolines; D. S. Deshmukh and B. M. Bhanage; **Org. Biomol. Chem.** 2018, 16, 4864-4873. (Impact factor: 3.490)

6. Molecular Iodine Catalysed Benzylic sp3 C–H Bond Amination for the Synthesis of 2-Arylquinazolines from 2-Aminobenzaldehydes, 2-Aminobenzophenones and 2-Aminobenzyl Alcohols; D. S. Deshmukh and B. M. Bhanage; **Synlett** 2018, 29, 979–985. (Impact factor: 2.418)

Participation in Seminars, Workshops and Conference

: **1.** Presented a paper entitled 'Synthesis of isoquinolines: *N*-tosylhydrazone directed annulation via C-H/N-N bond activation using recyclable Ru(II)/PEG-400 catalytic system,' at **International Conference on Frontiers in Chemical Sciences (FICS 2018)**: 6th – 8th December 2018; Indian Institute of Technology, Guwahati, India.

2. Presented a paper entitled 'Molecular Iodine-Catalyzed Benzylic sp3 C–H Bond Amination for Synthesis of 2-Arylquinazolines from 2-Aminobenzaldehyde, 2-Aminobenzophenone and 2-Aminobenzyl Alcohol,' at **Indo-Japan Conference (IJC-2018)**: 18th – 19th January 2018; CSIR-NCL, Pune, India.

3. Presented a paper entitled 'A green synthesis of *N*-containing heterocycles *via* C-H bond functionalization reactions,' at **National Conference on Innovative Research in Science and Technology (NCIRST-2019)**: 17th and 18th December 2019; Shri Shivaji Science College, Amravati, Maharashtra, India. (2nd prize for oral presentation)

4. Presented a paper entitled 'A green synthesis of isoquinolines and isoquinolinones *via* C-H bond

activation reactions,' at **National Conference on Multidisciplinary Research in Science and Technology (NCMRST-2020):** 24th January 2020; Shri R. L. T. College of Science, Akola, Maharashtra, India. (Best oral presentation prize)

5. Participated in **American Chemical Society School Festival**, held at Institute of Chemical Technology, Mumbai, India on 19th and 20th March, 2018.

6. Participated in **Advances in Organometallic and Bio-Organometallic Chemistry (AOBOC-2018)**, held at Institute of Chemical Technology, Mumbai, India on 20th and 21st February, 2018.

7. Participated in **Workshop on Laboratory Safety-Pitfalls and Remedies**, held at Institute of Chemical Technology, Mumbai, India on 27th and 28th February, 2017.

8. Participated in **Workshop cum Training Programme on Analytical Instrumentation Phase – II**, held at Institute of Chemical Technology, Mumbai, India on 21st and 22nd February, 2017.

9. Participated in **Asia-Pacific Congress on Catalysis (APCAT-7)** held at Hotel The Lalit, Mumbai, India on 17th to 21st January, 2017.

10. Participated in **The international Symposium on "The Recent Developments in Chromatography & Mass Spectrometry"**, held at Institute of Chemical Technology, Mumbai, India on 18th and 19th November, 2016.

11. Participated in **Workshop on Nanomaterials: Emerging trends**, held at Institute of Chemical Technology, Mumbai, India on 16th and 17th September, 2016.

12. Participated in **16th Orientation Programme in Catalysis Research**, held at National Centre for Catalysis Research, Indian Institute of Technology Madras, Chennai, India from 24th November to 12th December 2015.