

## FACULTY PROFILE

---

### Personal Information:

**Name** : Dr. Kishor Padala  
**Designation** : Assistant Professor  
**Department** : Department of Chemistry  
**Landline/mobile** : 8087392269  
**Email** : kishor.padala@gmail.com;  
kishor.padala@ctuap.ac.in  
**Group webpage** : <https://sites.google.com/view/kishorpadala/home>  
**Google Scholar** : <https://scholar.google.co.in/citations?user=qFAKhEAAAAAJ&hl=en>  
**ORCID ID** : <https://orcid.org/0000-0002-5943-5186>



### Area of Specialization:

- Organic synthesis and catalysis
- Photoredox catalysis
- Natural products synthesis
- Asymmetric synthesis

### Academic Qualification:

- **Postdoctoral researcher**- November 2016 – October 2018, PBC fellowship, Prof. Ahmad Masarwa group, Institute of chemistry, The Hebrew university of Jerusalem, Jerusalem, Israel.
- **Ph.D. in Chemistry: 2011-2016**, Prof. M. Jeganmohan's group, Indian Institute of Science Education and Research (IISER), Pune, India.
- **Title of Ph.D Thesis:** "*Cationic Ruthenium(II) Complex Catalyzed ortho Alkenylation and Benzoylation of Aromatics via C-H bond Activation*"
- **M.Sc. (Organic Chemistry):** 2007-2009, Osmania University, Hyderabad, Telangana, India.
- **B.Sc. (Chemistry),** 2004-2007, Osmania University, Hyderabad, Telangana, India.

### Work/Teaching Experience:

- December 2022 – Present, Assistant professor, Department of Chemistry, **Central Tribal University of Andhra Pradesh (CTUAP)**, Vizianagaram, Andhra Pradesh, India.
- November 2018 – December 2022, Assistant professor, Department of Chemistry, **SAS, Vellore Institute of Technology (VIT)**, Vellore, Tamil Nadu, India.

## Research, Scholarly, Professional and Scientific Activity:

[ Total Publication: 15;

h-index= 9;

Citation: 991 (Google scholar)]

1. **Kishor, P.;** Jeganmohan, M. "Ruthenium Catalyzed Ortho-Alkenylation of Aromatic Ketone with Alkene by C-H Bond Activation". *Org. Lett.* **2011**,13, 6144–6147. (Highlighted in Organic Chemistry Portal) (IF = 6.732)
2. **Kishor, P.;** Jeganmohan, M. "Highly Regio and Stereoselective Ruthenium (II) Catalyzed direct Ortho-Alkenylation of Aromatic and Heteroaromatic Aldehydes with Activated Alkenes under open Atmosphere". *Org. Lett.* **2012**,14, 1134–1137. (Highlighted in Synfacts 2012, 8(5), 0553) (IF = 6.732)
3. **Kishor, P.;** Pimparkar, S.; Madasamy, P.; Jeganmohan, M. "Ruthenium Catalyzed Regioselective Oxidative Coupling of Aromatic and Hetero Aromatic Esters with Alkenes under an open Atmosphere". *Chem Commun.* **2012**, 48, 7140–7142. (IF = 6.222)
4. **Kishor, P.;** Jeganmohan, M. "Ruthenium-Catalyzed Oxidative Ortho-Benzoylation of Acetanilides with Aromatic Acids". *Chem. Commun.*, **2013**, 49, 9651–9653. (IF = 6.222)
5. **Kishor, P.;** Jeganmohan, M. "Ortho-Benzoylation of N-Alkyl Benzamides with Aromatic Acids Catalyzed by Ruthenium(II) Complex". *Chem. Eur. J.*, **2014**, 20, 4092–4097. (Highlighted in Chemistry Views) (IF = 5.771)
6. Sandeep, P.; **Kishor, P.;** Jeganmohan, M. "Ruthenium(II)-Catalyzed ortho C-O Bond formation of Substituted Aromatics with Oxygen Nucleophiles through C-H Bond Activation". *Proc Indian Natn Sci Acad.* **2014**,80(5). 999–1011.
7. **Kishor, P.;** Jeganmohan, M. "Ruthenium-catalyzed highly regio- and stereoselective hydroarylation of aromatic sulfoxide with alkynes via C-H bond activation". *Chem. Commun.* **2014**, 50, 14573–14476. (IF = 6.222)
8. More N. Y.; **Kishor, P.;** Jeganmohan, M. "Ruthenium-Catalyzed C-H Benzoylation of tert-Benzamides with Aromatic Acids by Weak Coordination" *J. Org. Chem.*, **2017**, 82, 12691–12700. (IF = 4.849)
9. Rajender, N.; **Kishor, P.;** Ahmad, M. "gem-Diborylalkanes: Recent Advances in the Preparation, and Applications". *Org. Biomol. Chem.*, **2018**, 16,1050. (IF= 3.564)
10. Sumit, K.; **Kishor, P.\*** "The recent advances of K<sub>2</sub>S<sub>2</sub>O<sub>8</sub>-mediated cyclization/coupling reactions via oxidative transformation". *Chem. Commun.* **2020**, 56, 15101-15117. (IF= 6.222)
11. Monak, P.; Ajay, U.; **Kishor, P.;**\* Naveen. T.\* "The recent advances in cobalt-catalyzed functionalization of unactivated olefins". *Asian J. Org. Chem.* **2022**, DOI: 10.1002/ajoc.202200201R1. (IF = 3.319)
12. Desai, B.;<sup>†</sup> Ajay, U.;<sup>†</sup> Ashutosh D.; Neha D.; Dholakiya, B.; Sivaramakrishna, A.; Naveen T.;\* **Kishor P.\*** "The recent advances in cobalt-catalyzed C(sp<sup>3</sup>)–H functionalization reactions". *Org. Biomol. Chem.*, **2023**, 21, 673-699. (IF= 3.564)
13. Reddy, M. C. ;\* Dey, A.; Jeganmohan, M. ;\* **Kishor, P.\*** "The isolation-biological activities (2014-2022), bio, semi, total synthesis (1978-2022) and SAR studies of a potential naturally engineered scaffold aristolactam", *New J. Chem.* **2023**,47, 16266-16307 (IF= 3.925)
14. Sumit, K.; **Kishor, P.\*** Maiti, B.\* "H<sub>2</sub>O<sub>2</sub>– Mediated Synthesis of Quinazolin-4(3H)-one Scaffold: A Sustainable Approach", *ACS omega.* **2023**,36, 33058-33068 (IF=4.132)
15. Sumit Kumar, Ragupathy Sivakumar, **Kishor P\*** and Barnali Maiti\* "TMSOTf-Promoted Synthesis of Quinazolin-4(3H)-one Utilizing DMSO as a Carbon Source" *Chemistryselect.*, **2023**, <https://doi.org/10.1002/slct.202303665> (IF = 2.307).

### Book Chapters Published as Author or Co-Author:

- Manne Madhava Reddy, T. Boominathan, A. S. Vijai Anand, Rakesh R. Panicker, Varun Kaushal, Arinjoy Das, Nandini Jain, Ivaturi Sai Vighnesh, Rajagopal Desikan, Kari Vijayakrishna, **Kishor Padala**, C. V. S. Brahmmananda Rao, Gregory S. Smith, Akella Sivaramakrishna\* (2021) Novel Biocompatible Hydrogels via Click Chemistry. In: Jose J., Thomas S., Thakur V.K. (eds) Nano Hydrogels. Gels Horizons: From Science to Smart Materials. Springer, Singapore. [https://doi.org/10.1007/978-981-15-7138-1\\_16](https://doi.org/10.1007/978-981-15-7138-1_16)

### Ph.D Guidance:

#### **Guiding: 2 (Co-guide)**

S. No	Name	Date of Joining	University
1	Mr. Sumit Kumar	July 2019 - Current	Vellore Institute of Technology, Vellore
2	Mr. Uppuluru Ajay	September 2020-current	Vellore Institute of Technology, Vellore

### Research projects (ongoing/completed):

S. No.	Title of the project	Name of the funding agency	Grant amount	Duration	Date of commencement	Date of Completion
1	Triple cooperative catalysis cascade synthesis of diastereo- and enantioselective <i>b</i> -chiral organoboronic esters	CSIR, India	~ 25 Lakh	3 Years	August 2021	July 2024
2	Rhodium Catalyzed Enantioselective Synthesis of Cyclopropane Derivatives and Application to Natural product/Biological active molecules	DST- SERB	~ 39 Lakh	3 Years	December 2021	November 2024

### Membership of Professional Bodies:

- Associate Member of The Royal Society of Chemistry (AMRSC) (2022)

### Editor Of Journal/Reviewer Of Journal /Member Of Academic Bodies/Advisor:

- **Reviewer Of Journal:** Journals reviewed include American Chemical Society journals (Organic Letters, Journal of Organic Chemistry, ACS Omega, etc.), Royal Society of Chemistry Journals (Chemical Communications, Organic and Biomolecular Chemistry, RSC Advances, etc.), and Wiley Publishers journals (Chemistry - A European Journal, Asian Journal of Organic Chemistry, European Journal of Organic Chemistry, etc.)

### Workshops/Conferences/Seminars Organized:

- **February 28, 2023** - A Global Science for Global Wellbeing: Seminar on the occasion of the 37<sup>th</sup> National Science Day-at CTUAP, Vizianagaram.

### Offline/Online Certifications:

- **June 19 - July 19, 2023: Faculty Induction Program (FIP)** organized via online mode by the Human Resource Development Centre (HRDC), Kumaun University, Nainital, Uttarakhand, India.

### Awards/Fellowships/Distinctions/Achievements:

- **Research award** for the year 2020- VIT, Vellore.
- **Outstanding PBC Post-Doctoral Researcher Fellowship Award:** Planning and Budgeting Committee (PBC) of the Council for Higher Education of Israel, Israel (2017).
- Achieved the **Best Poster Award** at the Humboldt Academy Pune Chapter Conference in 2015, organized by IISER-Pune.
- Achieved **CSIR-JRF scholarship** through successful qualification in the Joint CSIR-UGC NET, 2010.