

CURRICULAM VITAE

Name : Dr. Raveendra Babu Kothapalli
Designation : Lecturer in Chemistry
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Address : Kanchanagudem, Chintalapudi , Eluru, Andhra Pradesh.
Residence Address : 24-25-6, Sajjapuram, Tanuku, West Godavari, Andhra Pradesh.
Date of Birth : 20-12-1984
Date of joining : 26-12-2011 (As Lecturer in Government Degree College)
Education details : Obtained Ph. D in Organic Chemistry from **University of Hyderabad**



M.Sc. Chemistry from **University of Hyderabad** (CGPA: 7.57).

B.Sc. (MPC) from **Silver Jubilee Government College Kurnool (84%)**

Intermediate (MPC) **APSWRS Pedavegi**, West Godavari (91.6 %)

10th class **APSWRS Pedavegi**, West Godavari (79 %)

Research interest : Synthetic Organic Chemistry

Research Project : **DST SERB SURE project (of worth 29.3 lakhs)**

Project title: “Tuning of Molecular Nanostructures for Optoelectronic Applications”

Project duration 3 years Dec-2023 to Dec-2026

Research Collaborations:

1. **Dr. Ch Gupta Chandaluri, Research group, IIPE, Visakhapatnam.**
2. **Prof. R. Balamurugan, Research group, School of Chemistry, University of Hyderabad.**
3. **Dr. K. Malleswara Rao, Scientist E, CDRI, Lucknow, U.P.**
4. **Research Centre, Department of Chemistry, Govt. College (A), Rajamahendravaram.**

Seminars Organized: Popular Lecture Series sponsored by DBT on 3rd-6th April 2023

Research papers : 10

1. "Gold (I)-catalysed bicyclic acetal synthesis". Balamurugan, R.; **Kothapalli Raveendra Babu.**; Thota, G. K. *Eur. J. Org. Chem.* **2011**, 1557.
2. " α -Diarylacetic esters synthesis from *in situ* formed acetals by stereospecific 1,2-aryl migration". **Kothapalli Raveendra Babu.**; Niddana, R.; Balamurugan, R. *Org. Lett.* **2014**, 16, 1278.
3. "Regioselective lithiation of 2-(2,4-dichloro/difluorophenyl)-1,3-dithianes to synthesize 1,2,3,4-tetrasubstituted aromatic compounds". Balamurugan, R.; **Kothapalli Raveendra Babu.**; Sakthivel, S. *Org. Biomol. Chem.* **2016**, 14, 1670.
4. "Concise review on isolation, biological activity, structure elucidation, and total synthetic approaches of 16-membered C₂-symmetric macrolide pyrenophorol". Bheemreddy Anushaa , **Raveendra Babu Kothapalli** , Miriyala Victor Prem Sagar, Bairla Surendra and Ummareddy Venkata Subba Reddy. *Synthetic Communications* **2024**, 54, 323-347.
5. "K₂CO₃-Mediated Intramolecular Oxa-Michael Cyclization of α,β -Unsaturated Ketoximes: Synthesis of Densely Arene-Substituted 2-Isioxazolines Bearing One Quaternary Center". Ram Singh Jat, **Raveendrababu Kothapalli**, M. Bhanuchandra, *Synthesis* **2024**, 56, 1593-1600.
6. "Catalytic efficiency of primary β -amino alcohols and primary α -aminoamides in enantioselective reactions of isatins", Ummareddy Venkata Subba Reddy, Bheemreddy Anusha, Marri Naveen Kumar, **Raveendra Babu Kothapalli**, Chigusa Seki, Yuko Okuyama, Eunsang Kwon, Michio Tokiwa, Suguru Tokiwa, Mitsuhiro Takeshita, Hiroto Nakano, *Tetrahedron*, **2024**, 162, 134124, <https://doi.org/10.1016/j.tet.2024.134124>.
7. Artificial intelligence for sustainable chemical synthesis: Advances in catalysis, biocatalysis, solvents, materials, and life cycle assessment. Next Materials; doi: 10.1016/j.nxmte.2026.103445.
8. Two new macrocyclic cembrane diterpenoids from *Boswellia seratta* gum resin. Journal of Asian Natural Products Research; URL: <http://dx.doi.org/10.1080/10286020.2025.2583447> doi: 10.1080/10286020.2025.2583447.
9. PHYTOCHEMICAL PROFILING AND COMPARATIVE ANTICANCER ACTIVITY OF MAJOR AND MINOR METABOLITES FROM *Araucaria araucana* GUM RESIN RASAYAN Journal of Chemistry URL: <http://dx.doi.org/10.31788/rjc.2026.1939741> doi: 10.31788/rjc.2026.1939741.

10. Deracemization of Benzoin and its Derivatives via Kinetic, Dynamic Kinetic, Aerobic Oxidative Kinetic, and Reagent-mediated resolution Publication date: 2025-05-02
Journal: Chemistry – An Asian Journal Type: journal-article URL:
<http://dx.doi.org/10.1002/asia.202401693> doi: 10.1002/asia.202401693 (
<https://doi.org/10.1002/asia.202401693>)

Other achievements:

1. Qualified **CSIR-JRF**-December 2006 and also qualified for **CSIR-JRF-SPM** written test.
2. Qualified **GATE** (Rank 261).
3. Secured all India **1st rank** in Pondicherry Central University, M.Sc. Chemistry entrance test-2005.
4. Secured admission into MSc Chemistry at **IIT-Madras** through **JAM-2005**.
5. **Pratibha award** from APSWRIES in 2002 for getting 91.6% in intermediate.
