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Dr. R. Koteswar Rao working as Assistant Professor, Department of Chemistry, University College of Science, Saifabad, Osmania University since 2013. He received his B.Sc., and M.Sc. in Chemistry from Kakatiya University, Warangal, Telangana State, India. He completed his Doctoral studies from Indian Institute of Technology Madras (**IIT Madras**), Chennai, India.

Prior to join in Osmania University Dr. R. K. Rao worked as Postdoctoral Fellow (**PDF**) in Nanyang Technological University, Singapore from November 2011 to July 2012, also worked as a Postdoctoral Fellow in University of Hyderabad, Hyderabad under the guidance of Prof. Goverdhan Mehta, National Research Professor, Department of Chemistry, University of Hyderabad, Hyderabad. From February 2013 to September 2013.

He has 12 years of teaching and research experience. His research area focuses on Asymmetric Synthesis, Development of Novel Synthetic Methodologies, Total Synthesis of Natural Products and Organometallic Chemistry.

Selected Publications

1. Highly Stereoselective Chlorination of β -Substituted Cyclic Alcohols Using PPh_3 -NCS: Factors That Control the Stereoselectivity.
(Jaseer, E. A.; Naidu, A. B.; Kumar, S.S.; **Koteswar Rao, R.**; Thakur, K. G.; Sekar, G. *Chem. Commun.*, **2007**, 867–869)
2. Highly Efficient Copper-Catalyzed Domino Ring Opening and Goldberg Coupling Cyclization for the Synthesis of 3, 4-Dihydro-2H-1, 4-benzoxazines.
(**Koteswar Rao, R.**; Naidu, A. B.; Sekar, G. *Org. Lett.*, **2009**, 11, 1923-1926)
This article is one of the **Top 20** Most Accessed articles in May 2009.
This paper has been featured in *Synfacts* **2009**, 08, 841.
3. Synthesis of Optically Active 1,4-Benzoxazine Derivatives using Palladium Catalyzed Coupling Kinetic Resolution.
(**Koteswar Rao, R.**; Sekar, G. *Tetrahedron: Asymmetry* **2011**, 22, 948)
4. Domino aziridine ring opening and Buchwald–Hartwig type coupling-cyclization by palladium catalyst.
(**Koteswar Rao, R.**; Karthikeyan, I.; Sekar, G. *Tetrahedron* **2012**, 68, 9090-9094)