

Dr. K. Prasada Rao

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Biography

Dr. K PrasadaRao received his PhD from Vikram University, Ujjain Madhya Pradesh in 1998. He worked in Ebenezer Higher Secondary School &IPCA Laboratories, MP as R&D Officer before joining in Bapatla Engineering College in 2003. His research is in the broad area of synthetic Organic Chemistry, Organometallic Chemistry, Pharmaceuticals and Nanomaterials. He is recognised Research Supervisor from AcharyaNagarjuna University and 4 students completed their MPhil and 4 students completed their PhD degrees under his guidance. 5 Ph.D. and one M.Phil scholar are working under his supervision.

Awards & Honors

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Selected Publications

1. Cobalt mediated by desulphurization towards the synthesis of Isothiocyanates. S. Mohan, ShaikhBaji, **K PrasadaRao**, *Synthetic Communications*, 46(21), 1758-1765, Aug, **2016**.
2. An efficient methodology for the synthesis of thioureas from amine mediated by a cobalt source. S. Mohan, ShaikhBaji, RamanaThamminana**K PrasadaRao**, *Tetrahedron Letters*, 57, 5297-5300, Nov **2016**
3. D. Ravikumar, Ch. Subramanyam, S. Mohan, D. Chandra Sekhar, **K. PrasadaRao**; Nano $\text{BF}_3 \cdot \text{SiO}_2$ catalysed, microwave assisted Michaelis-Arbuzov reaction to synthesize biologically active phosphonates under solvent-free condition. *Materials Today Proceedings*, 5, 12, December, **2018**.
4. S. Mohan, B. Sujatha, SkBajiVali, **K PrasadaRao**, Cobalt-promoted one -pot reaction of isothiocyanates toward the synthesis of aryl/alkylcyanamides and substituted tetrazoles, *Chemistry of Heterocyclic Compounds*, 54 (5), 535-544, May, **2018**.
5. D Ravikumar, S. Mohan, Ch. Subramanyam, **K PrasadaRao**, Ultrasound-Promoted Greener Approach To Synthesize Some New A-AminophosphonatesCatalyzed By Nano $\text{BF}_3 \cdot \text{SiO}_2$ Under Solvent-Free Condition And Their Antioxidant Activity Evaluation; *Journal of Phosphorus, Sulphur, Silicon and the Related Elements*, 193:6,400-407, **Jan, 2018**. ISSN: 1563-5325
6. SkBajiVali, S. Mohan, Ramana T, **K. Prasada Rao** "Copper Promoted C-S and C-N Cross-Coupling Reactions: The Synthesis of 2-(N-Aryolamino)benzothiazoles and 2-(N-Aryolamino)benzimidazoles" *Tetrahedron*, pp 3865-3874, 75, July, **2019**.