



## Dr. Satya Kumar Avula

Research Assistant Professor

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Time at UoN: Since 2015

Marital Status: Married..

Dr. Satya Kumar Avula was born in Kodangal, Telangana State (Hyderabad), India in 1979. He obtained his Master's degree in Inorganic Chemistry (2004) from the Osmania University, Hyderabad. He worked as an Assistant Professor (on contract basis) in Chemistry department, Osmania University Post Graduate College (OUPGC) from 2004 to 2007. He has also qualified national level competitive tests Council of Scientific and Industrial Research (CSIR, New Delhi)-NET exam in 2006 and also he secured 96 percentile in GATE examination, which are reputed research oriented exams in India. Then he moved to Indian Institute of Chemical Technology (IICT, CSIR Lab), Hyderabad to pursue his Ph.D degree (2007). He received his Ph.D. degree in Organic Chemistry from Jawaharlal Nehru Technological University Hyderabad (JNTUH-IICT), India in 2012. In his doctoral work he studied investigation on bioactive compounds through the stereo selective total synthesis of Stagonolide-D molecule, development of new synthetic methodologies and isolation of natural products from Jatropha Multifida plant under the supervision of Dr. Biswanath Das, Scientist-G, IICT, and Hyderabad. The research work has published in a peer reviewed international journals. He published 32 articles in a peer reviewed international journals. Dr. S. Kumar successfully presented his research work in the form of oral talks and poster presentations at various national and international conferences. He then moved to the University of Kwa-Zulu Natal (UKZN), Durban, South Africa collaborated with Uppsala University, Sweden as a Postdoctoral Researcher (2012-2013) in the group of Prof. Anderson,

where he worked on an effort towards the cyclization of 1,6-enynes and synthesis of chiral N, P ligands and their applications in asymmetric catalysis. He worked as an Assistant Professor in the Department of Chemistry, Vasavi College of Engineering, Hyderabad from 2013-2015. He worked as a Post-doctoral Fellow (PDF) under the supervision of Prof. Ahmed Al-Harrasi, organic chemistry, Natural & Medical Sciences Research Center (NMSRC), University of Nizwa, and Sultanate of Oman, from July 2015 to June 2017. Currently, he is working as a Research Assistant Professor in organic chemistry, Natural & Medical Sciences Research Center (NMSRC), University of Nizwa, and Sultanate of Oman, from July 2017 to till the date. Chair of Oman's Medicinal Plant's & Marine Natural Products and involved in chemical transformations of natural products and total stereo selective synthesis of marine natural products with active against cancer, tuberculosis, malaria, diabetic and inflammatory etc.

### **Academic Qualifications**

Ph.D, Indian Institute of Chemical Technology - JNTUH, Hyderabad, India, 2012

MSc, Osmania University, Hyderabad, India, 2004

BSc, Osmania University, Hyderabad, India, 1999

### **Teaching Activities**

M. Sc., , Worked as an Assistant Professor in Inorganic Chemistry, Osmania University Post Graduate College (Mirzapur PG center), Osmania University, Hyderabad, Telangana State, India. August 2004-2007, Aug-2004 to Aug-2007

B. Tech., , Worked as an Assistant Professor in Department of Chemistry, Vasavi College of Engineering, Hyderabad, India. , June 2013-June 2015

### **Research Activities**

#### **- *Research Interests***

Organic Chemistry, Natural Products, Synthesis

Synthesis of bioactive molecules

## Faculty Administrative Experience

2011 - 2012: Post-Doctoral Fellow (PDF) - UKZN, Durban, South africa-Uppsala University, Sweden

*Researcher in organic chemistry*

## Membership in Professional Bodies

2020-Present: Member of Royal Society of Chemistry (MRSC), London, UK.

## Award and Recognitions

2012 Awarded Post-Doctoral Fellowship from the University of Kwazulu-Natal (UKZN), Durban, South Africa-Uppsala University, Sweden.

2009 Awarded Senior Research Fellowship (SRF) from the Council for Scientific and Industrial Research (CSIR), New Delhi, India

2007 Awarded Junior Research Fellowship (JRF) from the Council for Scientific and Industrial Research (CSIR), New Delhi, India

2006 National Eligibility Test conducted by CSIR-UGC, on behalf of the Ministry of Human Resources Development (MHRD), Government of India.