

## CURRICULUM VITAE



### Dr. Sudula Ranga Reddy

M.Sc.,B.Ed., Ph.D.

### Correspondent Address

H.No.5-11-857/1, Hanuman Nagar,  
KUC Road, Hanamkonda  
Warangal – 506 009, TS., INDIA

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Mobile: +91-9849877578, Email: drsudularangareddy@gmail.com

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**Present:** Assistant Professor(C), Department of Chemistry, University College, Kakatiya University, Warangal, Telangana.

### ACADEMIC QUALIFICATIONS

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| Dec 2005  | PhD (Correlation analysis of nucleophilic substitution reactions)<br>Kakatiya University, Warangal – 506 009<br>Andhra Pradesh, India.<br><b><i>Title: Correlation analysis and Linear Free energy relationships in Nucleophilic substitution reactions of Benzyl bromide with Nitrogen nucleophiles.</i></b><br>Under the Supervision of <b>Prof. P. Manikyamba</b> |
| July 2000 | M.Sc. in Physical Chemistry<br>Kakatiya University, Warangal (A.P.)<br>First division with Distinction and University Ranker.  |
| June 1997 | B.Sc. M.P.C.<br>University Arts & Science College,<br>Kakatiya University, Warangal.   |

### TEACHING EXPERIENCE

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| 1) | U.G. | 10 YEARS |
| 2) | P.G. | 10 YEARS |
- Lal Bahadur Degree College, Warangal from August 2002 – July 2006
  - Lal Bahadur PG College, Warangal from July 2006 – July 2007
  - University Arts & Science College, K.U.,Subedari, Warangal July2007 – October 2013
  - University College, K.U , Warangal November 2013 – Till the date.

## RESEARCH EXPERIENCE

1. Expertise in correlation analysis of nucleophilic substitution reactions in benzyl bromides with nitrogen and substituted nitrogen nucleophiles.
2. Correlation analysis in the reactions of benzyl bromide with cyclic amines
3. Synthesis, Characterization and in vitro Anticancer Studies of NewCo(II), Ni(II), Cu(II),Zn(II) Complexes of (E)-4- ((Quinoline-8-ylimino)methyl)benzene1,2,3-triol Ligand.
4. Synthesis, Spectral Studies and Antibacterial Activities of N, N-bis(o-hydroxybenzaldehyde) phenylenediamine Complexes of Cobalt(II), Nickel(II), Copper(II), and Zinc(II).

## PERSONAL DETAILS

Date of Birth : 10<sup>th</sup> Nov. 1975  
Sex : Male  
Marital Status : Married  
Nationality : India

## List of Publications

1. Solvation models in the reaction between Benzyl bromide and Diphenylamine.  
**S. Ranga Reddy** and P. Manikyamba.  
*Indian J. Chem.*, 43A (2004), 1092-1094
2. Effect of solvents and nucleophiles on the reactivity of allyl bromide – A kinetic study.  
**S. Ranga Reddy**, P. Kalyani and P. Manikyamba  
*Indian J. Chem.*, 44A (2005). 1831-1833.
3. Linear free energy relationship in reactions between diphenylamine and Benzyl bromide.  
**S. Ranga Reddy** and P. Manikyamba  
*J. Chem. Soc.* 118 (2006), 257-260..
4. LSER and LFER in reaction of benzimidazole with benzyl bromide.  
**S. Ranga Reddy** and P. Manikyamba  
*Indian Journal of Chemistry*, 45A(2006), 1844-1847.
5. LSER in the reaction between *p*-NO<sub>2</sub> benzyl bromide and 2-mercapto benzoxazole.  
**S. Ranga Reddy**, P. Kalyani and P. Manikyamba  
*Journal of chemical research (S)*, 6 (2006), 354-355.
6. LSER in the reaction between piperazine and benzyl bromide.  
**S. Ranga Reddy** and P. Manikyamba  
*J. Chem. Sci.* 119 (2007), 613-616.

7. Correlation analysis in the reactions of benzyl bromide with N-substituted anilines.  
**S. Ranga Reddy**, Dr B. Rajeshwar Rao and P. Manikyamba  
*Indian Journal of Chemistry*, 46A(2007).436-439.
8. Computational studies and reactivity of nucleophiles in benzylation reactions.  
**S. Ranga Reddy**, B. Rajeshwar Rao, P. Kalyani, and P. Manikyamba.  
*Indian Journal of Chemistry*, 47A(2008).
9. LFER in benzylation of 2-mercapto benzoxazole and 2-mercapto benzothiazole.  
B. Kavitha, D.Vijaya Bharathi, T. Devender, **S. Ranga Reddy**, P. Kalyani and P. Manikyamba  
*Proceedings National Academy of Sciences*, Vol. 78, 279-282.
10. Effect of the substituent in the benzylation of piperazine.  
**S. Ranga Reddy** and P. Manikyamba  
*Asian J. Chem.*, 20 (2008), 195-199.
11. Linear free energy relationship in the reaction between piperidine and benzyl bromide.  
**S. Ranga Reddy** and P. Manikyamba  
*Asian J. Chem.*, 20 (2008), 225-228.
12. Correlation analysis in the reactions of benzyl bromide with cyclic amines.  
**S.Ranga Reddy** and P.Manikyamba  
*Int.J.Res.Cul. Soc.*2017,17-19.

13. Synthesis, Spectral Studies and Antibacterial activities of N, N -bis(o-hydroxybenzaldehyde) phenylenediamine Complexes of Cobalt(II), Nickel(II), Copper(II), and Zinc(II)

**S.RangaReddy**,A.Sanjeev,B.Rambabu,R.Rohini,A.KrishamRaju,P.Muralidhar Reddy.

*Int.J.Res.Cul. Soc.2017,38-43.*

14. Synthesis, Characterisation and in vitro Anticancer studies of New Co(II),Ni(II),Cu(II) and Zn(II) complexes of (E) - 4 -( (Quinoline - 8 – ylimino) methyl)) benzene-1,2,3-triol Ligand.

**S.RangaReddy**,A.Sanjeev,N.NareshReddy,R.Rohini,M.KumaraSwamy,P.Muralidhar Reddy.

*Aomic, 2021.250-258.*

## List of Seminars and Training Programmes Attended

1. UGC sponsored symposium on Emerging Research Trends, University Arts & Science College, Kakatiya University, Subedari, Warangal, 28<sup>th</sup> & 29<sup>th</sup> December 2003.
2. UGC sponsored National Seminar on recent development in co-ordination and bioinorganic Chemistry, Department of Chemistry, Kakatiya University, Warangal, 11<sup>th</sup> & 12<sup>th</sup> March 2005.
3. Training Programme to P.G. Teachers of affiliated colleges – jointly organized by the Kakatiya University and A.P. State Council of Higher Education, Hyderabad, Department of chemistry, Kakatiya University, Warangal, 2<sup>nd</sup> – 6<sup>th</sup> January 2007.
4. Department conference for PG teachers – organized by the Department of Chemistry, Kakatiya University, Warangal, 2<sup>nd</sup> August 2008.
5. National Seminar on Novel Polymers, Nanoscience and Green Chemistry, Department of Chemistry, Kakatiya University, Warangal, February 22<sup>nd</sup> – 23<sup>rd</sup>, 2008.
6. National Seminar on Environmentally benign synthesis on green chemistry, Department of chemistry, University Arts & Science College, Kakatiya University, Warangal, 9<sup>th</sup> & 10<sup>th</sup> February 2009.
7. Training program to U.G. Teachers of affiliated colleges – jointly organized by the Kakatiya University and D.B.T., New Delhi, Department of Chemistry, University Arts & Science College, Kakatiya University, Subedari, Warangal, 13<sup>th</sup> – 18<sup>th</sup> December 2010.
8. National Seminar on Chemistry For Human Wellbeing, Department of Chemistry, University Arts and Science College, Kakatiya University, Warangal, March 31<sup>st</sup>, 2011.
9. Training Programme to P.G. Teachers of affiliated colleges – jointly organized by the Kakatiya University and A.P. State Council of Higher Education, Hyderabad, Department of chemistry, Kakatiya University, Warangal, April 25<sup>th</sup> – May 1<sup>st</sup>, 2012.

10. National Seminar on shifting the paradigm on New Chemical Entities in India – Role of Process Chemistry, Department of Chemistry, C.K.M, Arts and Science College, Warangal, February 22<sup>nd</sup> -23<sup>rd</sup>,2014.
11. Orientation Programme for Young Teachers from Universities in Telangana state, IQAC, Kakatiya University Warangal, during 15<sup>th</sup> -22<sup>nd</sup> December 2014.
12. National Seminar on Recent Advances in Chemistry, Department of Chemistry, Kakatiya University, Warangal, March 30<sup>th</sup> -31<sup>st</sup>,2015.
13. National Seminar on Role of Chemistry in Human Health and Environment, JVR College, Sathupalli,27<sup>th</sup> and 28<sup>th</sup> January 2017.
14. National Seminar on Recent Trends and challenges in chemical sciences, Department of Chemistry, Kakatiya University, Warangal, March 24<sup>th</sup> -25<sup>th</sup>,2017.
15. International Conference on Innovations in Commerce and Science, Nizam College, Hyderabad, November,29<sup>th</sup> – 30<sup>th</sup>,2017.
16. National Seminar on Advances in Chemical Research, Department of Chemistry, Kakatiya University, Warangal, March 29<sup>th</sup> -30<sup>th</sup>,2019.

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