

Dr. R. Suhas

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Qualification: : M.Sc., Ph.D.

Area of Specialization : Peptide and Medicinal Chemistry,
Peptidomimetics

Research Publications:

1. **R. Suhas**, S. Chandrashekar and D. Channe Gowda, “Synthesis of Elastin-based Peptides Conjugated to Benzisoxazole as a New Class of Potent Antimicrobials – A Novel Approach to Enhance Biocompatibility”, *European Journal of Medicinal Chemistry*, **2011**, 46(2), 704-711.

International Journal; Impact Factor: 3.193

2. **R. Suhas**, S. Chandrashekar and D. Channe Gowda, “A New Family of Potent Inhibitors of Microbes: Synthesis and Conjugation of Elastin-based Peptides to Piperazine Derivative”, *International Journal of Peptide Research and Therapeutics*, **2012**, 18(2), 89-98.

International Journal; Impact Factor: 1.034

3. **R. Suhas**, S. Chandrashekar and D. Channe Gowda, “Synthesis of Ureido and Thioureido Derivatives of Peptide Conjugated Heterocycles – A New Class of Promising Antimicrobials”, *European Journal of Medicinal Chemistry*, **2012**, 48, 179-191.

International Journal; Impact Factor: 3.193

4. **R. Suhas**, and D. Channe Gowda, "Structure-based Rationale Design and Synthesis of Aurantiamide Acetate Analogues – Towards a New Class of Potent Analgesic and Anti-inflammatory Agents", *Chemical Biology and Drug Design*, **2012**, 79, 850-862.

International Journal; Impact Factor: 2.527

5. **R. Suhas**, L. P. R. Kumar, A. R. Baba, D. C. Gowda and N. M. M. Gowda, "Kinetic and Mechanistic Study of Oxidation of Protein-based Polymer with its Constituent Amino Acids and Peptides", *American Journal of Chemistry*, **2012** DOI: 10.5923/j.chemistry.

International Journal; Impact Factor: awaited

6. **R. Suhas**, and D. Channe Gowda, "Design and Synthesis of Tryptophan Containing Peptides as Potential Analgesic and Anti-inflammatory Agents", *Journal of Peptide Science*, **2012** (Under revision).

International Journal; Impact Factor: 1.954

7. G. P. Suresha, **R. Suhas**, Wethroe Kapfo and D. Channe Gowda, "Urea/ thiourea Derivatives of Quinazolinone-Lysine Conjugates: Synthesis and Structure-activity Relationships of a New Series of Antimicrobials", *European Journal of Medicinal Chemistry*, **2011**, 46(6), 2530-2540.

International Journal; Impact Factor: 3.193

8. N. Mallesha, S. Prahalad Rao, **R. Suhas** and D. Channe Gowda, "An Efficient Synthesis of *tert*-Butyl Ethers/ Esters of Alcohols/ Amino Acids using Methyl *tert*-Butyl Ether", *Tetrahedron Letters*, **2012**, 53, 641-645.

(Most downloaded Tetrahedron Letters article)

International Journal; Impact Factor: 2.618

9. N. Mallesha, S. Prahalad Rao, **R. Suhas** and D. Channe Gowda, "A Green Method for Selective Acetylation of Primary Alcohols using Ethyl Acetate and Solid Potassium Carbonate", *Journal of Chemical Research (S)*, **2011**, 536-539.

International Journal; Impact Factor: 0.550

10. K. N. Shivakumara, K. C. Prakasha, G. P. Suresha, **R. Suhas** and D. Channe Gowda, "Synthesis and Antimicrobial Studies of Amino Acids Conjugated Benzyl Piperazine Derivatives", *mySCIENCE*, **2007**, II(2), 100-106.

National Journal; Impact Factor: awaited

11. M. B. Sridhar, **R. Suhas**, A. Ramesha Baba and D. Channe Gowda, "Lead Catalyzed Facile Synthesis of Azo Compounds from Nitroarenes using Hydrazinium Monoformate", *mySCIENCE*, **2009**, III(1-2), 33-38.

National Journal; Impact Factor: awaited

12. M. B. Sridhara, **R. Suhas**, K. C. Prakasha, Shankare Gowda and D. Channe Gowda, "A Facile Protocol for the Reduction of Azo Compounds to Hydrazo Compounds by using Ammonium Acetate and Magnesium", *mySCIENCE*, **2010**, V(1-2), 27-31.

National Journal; Impact Factor: awaited

13. M. B. Sridhara, **R. Suhas** and D. Channe Gowda, "A Novel Method for the Reduction of Azides to Amines using Polymer Supported Formate and Magnesium", *International Journal of Chemistry Research*, **2011**, 2(3), 49-52.

National Journal; ICV (2010): 3.38

14. N. Mallesha, **R. Suhas**, S. Prahalad Rao and D. Channe Gowda, "A Simple and Convenient Protocol for the Selective Mono Debenzylation of Dibenzylamines using 10% Pd/C and HCOONH₄", *International Journal of Chemistry Research*, **2011**, 2(4), 26-28.

National Journal; ICV (2010): 3.38

15. **R. Suhas**, S. Chandrashekar and D. Channe Gowda, "Synthesis of Quinazolinone Conjugated Shorter Analogues of Bactenecin7 as Potent Antimicrobials", *Indian Journal of Chemistry, Section B*, **2011** (Communicated).
16. M. B. Sridhara, **R. Suhas**, D. M. Suyoga Vardhan, C. S. Shantharam and D. Channe Gowda, "An Eco-friendly Protocol for the Synthesis of Anilines from Nitroarenes Catalyzed by Zinc and Ammonium Acetate in Aqueous Media", *Green Chemistry Letters and Reviews*, **2011** (Communicated).

Presentation/ Participation in Conferences:

1. Participated in **National Seminar and Workshop on Role of Language in Teaching Science for Undergraduate Courses**, 17&18th December 2004, J.S.S. College of Arts, Commerce and Science, Ooty Road, Mysore, Karnataka.

2. Participated in **National Symposium on Bioorganic and Medicinal Chemistry** held from 5-7th October 2005 at Department of Studies in Chemistry, University of Mysore, Manasagangotri, Mysore, Karnataka.
3. K. C. Prakasha, K. N. Shivakumara, **R. Suhas** B. Santhosh and D. Channe Gowda “Design, Synthesis and Biological Evaluation of Amino Acid Conjugated 2-Amino,4-arylthiazole Derivatives”, **National Conference on The Emerging Areas in Chemistry**, 31st July - 01st Aug 2009, University of Mysore, Mysore, Karnataka.
4. K. C. Prakasha, **R. Suhas** and D. Channe Gowda “Design, Synthesis and Antimicrobial Evaluation of Thiazole Conjugated Amino Acids”, UGC Sponsored State Level Seminar on **Recent Developments in Nano Chemistry - An Overview**, 10th October 2009, Government Science College, Hassan, Karnataka.
5. K. C. Prakasha, **R. Suhas** and D. Channe Gowda “Design, Synthesis and Biological Evaluation of 2,3,5-Substituted 4-Thiazolidinone Derivatives”, **International Conference on Current Trends in Chemistry and Biochemistry**, 18-19th December 2009, Bangalore University, Bangalore, Karnataka.
6. **R. Suhas**, K. C. Prakasha and D. Channe Gowda, “Synthesis and Antimicrobial Studies of Quinazolinone Conjugated Shorter Active Analogues of Bactenecin7”, State Level Conference on **Current Topics in Analytical Chemistry**, Government Science College, Arisikere, Hassan, Karnataka.
7. **R. Suhas** and D. Channe Gowda, “Synthesis of Elastin-based Peptides Conjugated to Benzisoxazole as a New Class of Potent Antimicrobials – A Novel Approach to Enhance Biocompatibility”, **3rd Indian Peptide Symposium – 2011**, Pune, 24-25th February 2011.
8. **R. Suhas** and D. Channe Gowda, “A New Family of Potent Inhibitors of Microbes: Synthesis and Conjugation of Elastin-based Peptides to Piperazine Derivative”, **National Conference on Recent Trends in Chemistry – 2011**, 16th and 17th September 2011, P.E.S. College of Science, Arts and Commerce, Mandya, Karnataka.

9. N. Mallesha, **R. Suhas**, S. Prahalad Rao and D. Channe Gowda, "A Simple and Convenient Protocol for the Selective Mono Debenzylation of Dibenzylamines using 10% Pd/C and HCOONH₄", **National Conference on Recent Trends in Chemistry – 2011**, 16th and 17th September 2011, P.E.S. College of Science, Arts and Commerce, Mandya, Karnataka.
10. Co-ordinated and participated in one day celebration of **International Year of Chemistry – 2011** at five different districts viz., Mysore, Hassan, Mandya, Chamarajanagara and Kushalanagara during October-December 2011.
11. Participated in one day Seminar on **Chemistry of Materials** on 25th November 2011 at Sri Jayachamarajendra College of Engineering, Mysore, Karnataka.
12. **R. Suhas** and D. Channe Gowda, "Structure-based Rationale Design and Synthesis of Aurantiamide Acetate Analogues – Towards a New Class of Potent Analgesic and Anti-inflammatory Agents", **International Conference on Synthetic and Structural Chemistry (ICSSC-2011)**, 8-10th December 2011, Mangalore University, Mangalagangothri, Karnataka, (**Oral Presentation**).
13. Co-ordinated and participated in one day UGC sponsored orientation programme on **Life Skills and ICT Enabled Teaching** at JSS College of Arts, Commerce and Science, Ooty Road, Mysore, Karnataka on 25th February 2012.

Awards/ Recognition:

- **Lady Tata Memorial Trust, Mumbai, India, Junior Research Fellowship, 2010- 2011.**
- Received **Best Student Award** at Sadvidya High School, Mysore in **2000**.
- Competed and bagged several prizes in various **quiz/ paper presentation/ seminars/ oral presentations** etc.

Any other information:

Along with the research experience during doctoral studies, Dr. R. Suhas has taken up pre-doctoral research activities during B.Sc. at JSS Medical College and Hospital and also at Defence Food Research Laboratory (DFRL), Mysore. Apart from the teaching experience from different reputed institutes, Dr. Suhas has got the industrial experience from Jubilant Organosys, Nanjangud, Mysore.

