

CURRICULUM VITAE

Contact information:

Name : Dr Suhas R
Born : 20 March 1985
Address (Res) : # 139/5, I Cross
Shankar Mutt Road
Fort Mohalla, Mysuru – 570 004
Karnataka, INDIA
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Education/Research:

Postdoctoral Research Fellow/Scientist (June 2015-Sept 2016) – Prestigious NRF-DST, SA Scholarship

School of Health Sciences, University of KwaZulu-Natal, Westville Campus, Durban-4001, SA

Advisor: Prof. Fernando Albericio

Postdoctoral Research Fellow/Scientist (July 2013-May 2015) – UKZN, SA Scholarship

School of Health Sciences, University of KwaZulu-Natal, Westville Campus, Durban-4001, SA

Advisor: Prof. Fernando Albericio

Ph.D. in Chemistry – March 2012

University of Mysore, Manasagangotri, Mysuru, Karnataka, India

Thesis Title: “Design, Synthesis and Characterization of Novel Amino Acids or Peptides Conjugated Heterocycles of Biological Interest”

Mentor: Prof. D. Channe Gowda

Master of Science (MSc) in Chemistry – 2007, 70.2% DISTINCTION

Department of Studies in Chemistry, University of Mysore, Manasagangotri, Mysuru – 570 006, Karnataka, India

Bachelor’s Degree (BSc) – 2005 (Chemistry, Zoology, Biotechnology), 77.0% FIRST CLASS

J. S. S. College of Arts, Commerce and Science, Ooty Road, (University of Mysore), Mysuru, Karnataka, India

Pre-University Course – 2002 (PCMB), 68% FIRST CLASS

Mallamma Marimallappa’s Pre-University College, Mysuru (Karnataka Pre-University Board), Karnataka, India

Secondary School Leaving Certificate – 2000, 72% FIRST CLASS

Sadvidya High School, Mysuru, (Karnataka Secondary Education Board), Karnataka, India

Area of specialization:

Peptide and Medicinal Chemistry, Bioconjugation Chemistry, Synthetic Peptide-Vaccines, Diagnostic Peptides, Antimicrobial peptides

Subjects Studied/ Specialized:

During Post-doctoral/ Doctoral Studies:

- Peptide chemistry (SPS and SPPS)
- Design and synthesis of bioactive peptides
- Peptide-based analgesic and anti-inflammatory agents
- Peptide-based dendrimers, Peptides for diagnostics
- New chemical methodologies in peptide chemistry
- Catalytic transfer hydrogenation and its application to synthetic and peptide chemistry

During Postgraduate Studies:

- Heterocyclic chemistry/ Reagents/ Oxidation/ Reduction/ Spectroscopy/ Chromatography/ Photochemistry/ Pericyclic reactions/ Co-ordination chemistry/ Kinetics/ Electrochemistry etc.

During Bachelor Studies:

- Organic/ Inorganic/ Physical Chemistry/ Biotechnology/ Microbiology/ Biochemistry/ Computers/ Molecular Biology, Cell Biology, Genetic Engineering/ Zoology
-

Honors/Awards/Distinctions:

- Recipient of full **sponsorship for UK-India Newton-Bhabha Workshop**, Public Health England, Royal Society of Chemistry, London (**one among twenty scientists from India**), Dec 2017.
 - An invited book chapter from prestigious “**Thieme Chemistry**” publications has received a **royalty of about 500 Euros**.
 - **Prestigious NRF-DST Innovation Postdoctoral Scholarship, SA** (2015-2016).
 - **University of KwaZulu-Natal Postdoctoral Scholarship**, Durban, SA (2013-2015).
 - A book chapter has appeared on **Cover Page** of the book (Elsevier).
 - An article has been especially recommended by the journals’ Editor-in-Chief **for a podcast promotion based on its novelty and outstanding research work** (Protein and Peptide Letters, Bentham).
 - An article received **Best Research Publication Award** by the Chemical Society, UoM for 2012-13.
 - An article has bagged **Award for Research Publication** by Vision Group on Science and Technology, Govt. of Karnataka for 2012-13.
 - **Junior Research Fellowship by Lady Tata Memorial Trust, Mumbai, India** (2010-11).
 - Received **Best Student Award** at Sadvidya High School, Mysuru in **2000**.
 - Competed and bagged several prizes in various **quiz/ paper presentation/ seminars/ oral presentations**, etc.
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Research Experience:

Summary of Postdoctoral Research Work:

Solid-phase peptide synthesis (SPPS) forms the basis of research. My research can be categorized into various sub-sections as briefly described below:

Peptide-based vaccine constructs (Dendrimerization): Bromomaleimide as a novel core has been added into the repertoire for the presentation of multiple branched peptides. Using this core two-, four- and eight-branched dendritic peptides have been synthesized under mild conditions. Further, highly chemoselective ligations have been performed for various peptide-ligands on this core. Also a strategy has been developed for stapling three different peptides on a single platform paving way for multidrug presentation/vaccine preparation.

Peptide diagnostics: a) DOTA, a tetra-aza metal chelator has been conjugated to a depsipeptide and radiolabelling studies using Ga have been done in animal model; b) NODAGA, a tri-aza cyclic chelator has been anchored to a 37 amino acids peptide (LL37) for radiochemistry-based studies using Ga; c) Colistin, a cyclic depsipeptide has been synthesized by a combination of solid- and solution-phase chemistries for radiolabelling studies.

On-resin synthesis of siderophores: First solid-phase total synthesis of different classes of siderophores, regarded as “synthetically difficult” peptidomimetics (including building blocks) has been carried out using robust chemistry.

Cyclic peptides: An improved and facile methodology has been developed for the construction of colistin-like peptide which is considered as the last line defense for fighting Gram-negative bacteria. This apart, we have demonstrated totally a new route for the construction cyclic peptides which comprises of a peptide-dendrimer, a spacer which can undergo reduction and form linking sites for cyclization.

Summary of Ph.D. Research Work:

“Design, Synthesis and Characterization of Novel Amino Acids or Peptides Conjugated Heterocycles of Biological Interest”

The research work chiefly consists of synthesis of heterocycles and peptides and their conjugation in solution phase. The work has been divided into various sections and is briefly given below:

Some shorter analogues of Bactenecin7 (Bac7) with different amino acid composition have been synthesized and conjugated to quinazolinone as antimicrobial agents.

Elastin protein-based peptides *viz.*, tetrapeptides, pentapeptides and tricosapeptides were synthesized by step-wise, (3+2) and [(5 + 5 + 5) + (5 + 5 + 5)] fragment coupling method respectively which were conjugated to piperidiny and piperaziny heterocycles. A relationship between hydrophobicity, chain length and antimicrobial activity has been established.

A small library of urea/ thiourea derivatives of the elastin-based peptide conjugates. Few of the compounds have exhibited ~25 times high potency than the reference standard. A structure-activity relationship has been established.

On the other hand, several analgesic and anti-inflammatory agents based on a natural product, aurantiamide acetate and indole (Trp) were synthesized.

Pre-doctoral Research Experience:

During Bachelor's program, as part of the curriculum:

B.Sc. I Year: Summer Research Project was carried out at **J.S.S. Medical College and Hospital, Mysuru** related to **Biochemistry, Pathology and Radiology & Imaging**.

B.Sc. II Year: Main Project was carried on "**Production of β -Galactosidase Enzyme using *Kluveromysis lactis* Species and Assaying**" at **Defence Food Research Laboratory (DFRL), Mysuru**.

Supervisor: Dr K. V. Ramana

Scientist F, DFRL, Mysuru

Industrial Experience:

Officer: Quality Control – October 2007 - June 2009

Jubilant Organosys Ltd., Nanjangud, Karnataka, India

Instruments Handled (Major):

HPLC (Agilent, Waters, SIL), GC (Agilent, Perkin Elmer), IR (Bruker), Polarimeter (Autopol), UV-Vis (Shimadzu), Autotitrator (Mettler Toledo), KF Titrator (Mettler Toledo), etc.

Member: United States Food and Drug Administration (USFDA) Review Committee

Teaching Experience:

Lecturer : B.Sc.Ed. and M.Sc.Ed. Courses – July 2009 to June 2010

Organic Chemistry

Regional Institute of Education (RIE), Mysuru, Karnataka, India (NCERT)

Lecturer : M.Sc. Degree Course – July 2010 to June 2011

Organic Chemistry

Department of Studies in Chemistry, University of Mysore, Manasagangotri, Mysuru, Karnataka, India

Assistant Professor : M.Sc. Degree Course – Aug 2011 to till date

Organic Chemistry

Postgraduate Department of Chemistry, JSS College of Arts, Commerce and Science, Ooty Road, Mysuru-25, Karnataka, India

Research Output:

Articles Published: ^(#Reviews)

1. 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.
2. M. B. Sridhara, **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.
3. 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.
4. **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**, Feb **2011**, 46(2), 704-711. (Impact Factor: 6.514)

ISSN: 0223-5234 DOI: <http://dx.doi.org/10.1016/j.ejmech.2010.12.005>

5. 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. (Impact Factor: 1.48)

ISSN No. 0976-5689 DOI: <https://www.ijcr.info/index.php/journal/issue/view/5>

6. 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. (Impact Factor: 1.48)

ISSN No. 0976-5689 DOI: <https://www.ijcr.info/index.php/journal/issue/view/6>

7. 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)**, 01 Sept **2011**, 35(9), 536-539. (Impact Factor: 0.782)

ISSN 1747-5198 DOI: <https://doi.org/10.3184/174751911X13155057300536>

8. 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**, June **2011**, 46(6), 2530-2540. (Impact Factor: 6.514)

ISSN: 0223-5234 DOI: <http://dx.doi.org/10.1016/j.ejmech.2011.03.041>

9. M. B. Sridhara, **R. Suhas** and D. Channe Gowda, "Recyclable Polymer Supported Formate (Psf) and Tin: A Novel Reagent System for the Transfer Hydrogenation of Azo Compounds to Hydrazo Compounds", **mySCIENCE**, **2012**, VII(1-2), 18-25.

10. **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**, June **2012**, 18(2), 89-98. (Impact Factor: 1.931)

ISSN: 1573-3149 DOI: 10.1007/s10989-011-9282-8

11. **R. Suhas**, and D. Channe Gowda, "Design and Synthesis of Tryptophan Containing Peptides as Potential Analgesic and Anti-inflammatory Agents", **Journal of Peptide Science**, July **2012**, 18, 535–540. (Impact Factor: 1.905)

ISSN: 1099-1387 DOI: 10.1002/psc.2431

12. **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**, Feb **2012**, 48, 179-191. (Impact Factor: 6.514)

ISSN: 0223-5234 DOI: <http://dx.doi.org/10.1016/j.ejmech.2011.12.012>

Bagged Award for Research Publication by VGST, Govt. of Karnataka (2012-13)

13. **Ramesh Suhas**, and Dase 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**, May **2012**, 79, 850-862. (Impact Factor: 2.817)

ISSN: 1747-0285 DOI: 10.1111/j.1747-0285.2012.01331.x

14. **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**, June **2012**, 2(3), 105-111.

ISSN: 2165-8749 DOI: 10.5923/j.chemistry.20120203.01

15. 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**, Feb **2012**, 53, 641-645. (Impact Factor: 2.415)

ISSN: 0040-4039 DOI: <http://dx.doi.org/10.1016/j.tetlet.2011.11.108>

Most downloaded Tetrahedron Letters article (2012)

16. **R. Suhas**, S. Chandrashekar, S. M. Anil and D. Channe Gowda, "Synthesis of Quinazolinone Conjugated Shorter Analogues of Bactenecin7 as Potent Antimicrobials", **Protein and Peptide Letters**, Feb **2013**, 20(2), 146-155. (Impact Factor: 1.89)

ISSN: 1875-5305 DOI: 10.2174/0929866511320020005

Especially recommended article by the journal's Editor-in-Chief, Dr. Ben M. Dunn for a podcast promotion based on its novelty and outstanding research work

17. C. S. Shantharam, D. M. Suyoga Vardhan, **R. Suhas**, M. B. Sridhara and D. Channe Gowda, "Inhibition of Protein Glycation by Urea and Thiourea Derivatives of Glycine/Proline Conjugated Benzisoxazole Analogue – Synthesis and Structure Activity Studies", *European Journal of Medicinal Chemistry*, Feb **2013**, 60, 325-332. (Impact Factor: 6.514)
ISSN 0223-5234 DOI: 10.1016/j.ejmech.2012.12.029
 18. M. B. Sridhara, **R. Suhas** and D. Channe Gowda, "Synthesis of Azoarenes by Reductive Dimerization of Nitroarenes using Ammonium Bromide and Magnesium", *European Journal of Chemistry*, March **2013**, 4(1), 61-63. (Impact Factor: 0.54)
ISSN: 2153-2249 DOI:10.5155/eurjchem.4.1.61-63.732
 19. Doddahindaiah M. Suyoga Vardhan, Chavalmane S. Shantharam, **Ramesh Suhas**, Malvalli B. Sridhara and Dase Gowda Channe Gowda, "Synthesis and Structure Activity Relationship Studies of Urea and Thiourea Derivatives of Glycine/Proline Conjugated to 2,3-Dichlorophenyl Piperazine: An Effective Class of AGE Inhibitors", *Protein and Peptide Letters*, Aug **2013**, 20(8), 888-897. (Impact Factor: 1.89)
ISSN: 1875-5305 DOI: 10.2174/0929866511320080005
 20. Anamika Sharma, **R. Suhas**, and D. Channe Gowda, "Ureas/Thioureas of Benzo[d]isothiazole Analogue Conjugated Glutamic Acid: Synthesis and Biological Evaluation", *Archiv der Pharmazie*, April **2013**, 346(5), 359-366. (Impact Factor: 3.751)
ISSN: 1521-4184 DOI: 10.1002/ardp.201200470
- Best Research Publication Award by the Chemical Society, UoM (2012-13)**
21. Anamika Sharma, **R. Suhas**, K. V. Chandana, Syeda Hajira Banu and D. Channe Gowda, "tert-Butyl 1,5-bis(4-(benzo[d]isothiazol-3-yl)piperazin-1-yl)-1,5-dioxopentan-2-ylcarbamate Urea/Thiourea Derivatives as Potent H⁺/K⁺-ATPase Inhibitors", *Bioorganic and Medicinal Chemistry Letters*, July **2013**, 23, 4096-4098. (Impact Factor: 2.823)
ISSN: 0960-894X DOI: <http://dx.doi.org/10.1016/j.bmcl.2013.05.043>
 22. Anamika Sharma, **R. Suhas**, S. Chandan and D. Channe Gowda, "Novel Urea and Thiourea Derivatives of Thiazole-Glutamic Acid Conjugate as Potential Inhibitors of Microbes", *Russian Journal of Bioorganic Chemistry*, November **2013**, 39(6), 736-744. (Impact Factor: 0.796)
ISSN: 1608-330X DOI: 10.1134/S1068162013050130
 23. D. M. Suyoga Vardhan, C. S. Shantharam, **R. Suhas**, M. B. Sridhara and D. Channe Gowda, "Synthesis and Urease Inhibition Studies of Ureas and Thioureas Derived from Amino Acids Conjugated Heterocycle", *International Journal of Chemical and Pharmaceutical Sciences*, September **2013**, 4(3), 54-58. (Impact Factor: 0.684)
ISSN: 0976-9390 DOI: http://www.ijcps.com/sub_pages/vol4issue3.html
 24. S. M. Anil, **R. Suhas** and D. Channe Gowda, "Polymer Supported Formate/ Metal System for the Synthesis of Pure Products: Application of Catalytic Transfer Hydrogenation", *mySCIENCE*, **2013**, VIII(I-II), 10-25.

25. B. J. Ullas, P. G. Chandrashekara, **R. Suhas**, S. M. Anil and D. Channe Gowda, "Synthesis of Imidazolo-Amino Acids Conjugates as Biologically Active Agents", *International Journal of Chemical and Pharmaceutical Sciences*, December **2013** 4(4), 79-87. (Impact Factor: 0.684)

ISSN: 0976-9390 DOI: http://www.ijcps.com/sub_pages/vol4issue4.html

26. C. S. Shantharam, D. M. Suyoga Vardhan, **R. Suhas**, and D. Channe Gowda, "Design and Synthesis of Amino Acids-Conjugated Heterocycle Derived Ureas/Thioureas as Potent Inhibitors of Protein Glycation", *Russian Journal of Bioorganic Chemistry*, July **2014**, 40(4), 441-454. (Impact Factor: 0.796)

ISSN: 1608-330X DOI: 10.1134/S1068162014040128

27. #Prabhakar Cherkupally, Gerardo A. Acosta, **Suhas Ramesh**, Beatriz G. de la Torre, Thavendran Govender, Hendrik G. Kruger and Fernando Albericio, "Solid-Phase Peptide Synthesis (SPPS), C-Terminal vs. Side-chain Anchoring: a Reality or a Myth", *Amino Acids*, August **2014**, 46, 1827-1838. (Impact Factor: 3.520)

ISSN: 1438-2199 DOI: 10.1007/s00726-014-1746-7

28. #**Suhas Ramesh**, Prabhakar Cherkupally, Beatriz G. de la Torre, Thavendran Govender, Hendrik G. Kruger and Fernando Albericio, "Microreactors for Peptide Synthesis: Looking through the Eyes of 21st Century!!!", *Amino Acids*, September **2014**, 46, 2091-2104. (Impact Factor: 3.520)

ISSN: 1438-2199 DOI: 10.1007/s00726-014-1746-7

29. Anamika Sharma, **R. Suhas**, Syeda Hajira Banu, S. Chandrashekar and D. Channe Gowda, "Implications of N-capped Urea/Thiourea and C-capped 3-(1-Piperazinyl)-1,2-benzisothiazole with Bridging Gly-Val/Phe-Gly-Val-Pro as Therapeutic Targets", *European Journal of Medicinal Chemistry*, Nov **2014**, 87, 657-661. (Impact Factor: 6.514)

ISSN: 0223-5234 DOI: <http://dx.doi.org/10.1016/j.ejmech.2014.09.098>

30. #Prabhakar Cherkupally, **Suhas Ramesh**, Beatriz G. de la Torre, Thavendran Govender, Hendrik G. Kruger, Fernando Albericio, "Immobilized Coupling Reagents: Synthesis of Amides/Peptides", *ACS Combinatorial Science*, November **2014**, 16(11), 579-601. (Impact Factor: 3.784)

ISSN: 2156-8952 DOI: 10.1021/co500126y

Featured as the "Most Read Article"

31. Botshelo B. Mokaleng, Thomas Ebenhan, **Suhas Ramesh**, Thavendran Govender, Hendrik G. Kruger, Raveen Parboosing, Puja P. Hazari, Anil K. Mishra, Biljana Marjanovic-Painter, Jan R. Zeevaart and Mike M. Sathekge, "Synthesis, ⁶⁸Ga-Radiolabeling and Preliminary In-vivo Assessment of an Depsipeptide-derived Compound as a Potential PET/CT Infection Imaging Agent", *Biomed Research International*, Vol 2015, **2015**, 1-12. Article ID: 284354 (Impact Factor: 3.411)

ISSN: 2314-6133 DOI: <http://dx.doi.org/10.1155/2015/284354>

32. Jyotibon Dutta, **Suhas Ramesh**, Siduduzo M. Radebe, Anou M. Somboro, Beatriz G. de la Torre, Hendrik G. Kruger, Sabiha Y. Essack, Fernando Albericio and Thavendran Govender, "Optimized Microwave Assisted Synthesis of LL37, a Cathelicidin Human Antimicrobial Peptide", *International Journal of Peptide Research and Therapeutics*, March **2015**, 21, 13-20. (Impact Factor: 1.931)
ISSN: 1573-3904 DOI: 10.1007/s10989-014-9439-3
33. **Suhas Ramesh**, Prabhakar Cherkupally, Thavendran Govender, Hendrik G. Kruger Fernando Albericio and Beatriz G. de la Torre, "6-(Bromomaleimyl)hexanoic Acid as a Connector for the Construction of Multiple Branched Peptide Platforms", *Organic Letters*, February **2015**, 17, 464-467. (Impact Factor: 6.005)
ISSN No: 1523-7052 DOI: 10.1021/ol503463u
34. Prabhakar Cherkupally, **Suhas Ramesh**, Beatriz G. de la Torre, Thavendran Govender, Hendrik G. Kruger, Fernando Albericio, "An Efficient Solid-Phase Strategy for Total Synthesis of Naturally Occurring Amphiphilic Marine Siderophores: Amphibactin-T and Moanachelin ala-B", *Organic and Biomolecular Chemistry*, April **2015**, 13, 4760-4768. (Impact Factor: 3.876)
ISSN No. 1477-0539 DOI: 10.1039/C5OB00100E
35. Kadalipura Puttaswamy Rakesh, **Suhas Ramesh**, Honnayakanahalli Marichennegowda Manu Kumar, Shivamallu Chandan and Dase Channe Gowda, "Quinazolinones Linked Amino Acids Derivatives as a New Class of Promising Antimicrobial, Antioxidant and Anti-inflammatory Agents", *European Journal of Chemistry*, September **2015**, 6(3), 254-260. (Impact Factor: 0.54)
ISSN: 2153-2249 DOI: <http://dx.doi.org/10.5155/eurjchem.6.3.254.260.1233>
36. B. J. Ullas, P. G. Chandrashekara, **R. Suhas**, K. P. Rakesha, P. Avinash and D. Channe Gowda, "Schiff's Bases Derived from Amino Acids-Imidazole Conjugates as Promising Antioxidant and Antimicrobial Agents", *Journal of Chemistry and Applied Biochemistry*, November **2015**, 2(1), 01-08.
ISSN: 2394-3106
37. **Suhas Ramesh**, Prabhakar Cherkupally, Thavendran Govender, Hendrik G. Kruger Fernando Albericio and Beatriz G. de la Torre, "Highly Chemoselective Ligation of Thiol- and Amino-Peptides on a Bromomaleimide Core", *Chemical Communications*, February **2016**, 52(11), 2334-2337. (Impact Factor: 6.222)
ISSN No: 1364-548X DOI: 10.1039/C5CC09457G
38. **Suhas Ramesh**, Thavendran Govender, Hendrik G. Kruger Fernando Albericio and Beatriz G. de la Torre, "An Improved and Efficient Strategy for the Total Synthesis of a Colistin-like Peptide", *Tetrahedron Letters*, April **2016**, 57, 1885-1888. (Impact Factor: 2.415)
ISSN: 0040-4039 DOI: <http://dx.doi.org/10.1016/j.tetlet.2016.03.055>
39. **#Suhas Ramesh**, Thavendran Govender, Hendrik G. Kruger, Beatriz G. de la Torre and Fernando Albericio, "Short Antimicrobial Peptides (SAMPs) as a Class of Extraordinary

Promise Therapeutic Agents”, *Journal of Peptide Science*, June **2016**, 22(7), 438-451. (Impact Factor: 1.905)

ISSN: 1099-1387 DOI: 10.1002/psc.2894

40. #**Suhas Ramesh**, Marcelo Grijalva, Alexis Debut, Beatriz G. de la Torre, Fernando Albericio and Luis H. Cumbal, “Peptides Conjugated to Silver Nanoparticles in Biomedicine – A Value Added Phenomenon”, *Biomaterials Science*, Oct **2016**, 4, 1713-1725. (Impact Factor: 6.843)

ISSN: 2047-4849 DOI: <http://dx.doi.org/10.1039/C6BM00688D>

41. D. M. Suyoga Vardhan, C. S. Shantharam, **R. Suhas**, and D. Channe Gowda, “Synthesis and Evaluation of Novel Ureido/Thioureido Derivatives of Amino Acids Conjugated 2,3-Dichlorophenyl Piperazine as Highly Potent Antiglycating Agents”, *Journal of Saudi Chemical Society*, Jan **2017**, 21, S248-S257. (Impact Factor: 3.932)

ISSN: 1319-6103 DOI: <http://dx.doi.org/10.1016/j.jscs.2014.02.006>

42. H. K. Kumara, **R. Suhas**, D. M. Suyoga Vardhan, M. Shobha and D. Channe Gowda, “A Correlation Study of Biological Activity and Molecular Docking of Asp and Glu Linked Bis-Hydrazones of Quinazolinones”, *RSC Advances*, March **2018**, 8, 10644-10653 (Impact Factor: 3.361)

ISSN: 2046-2069 DOI: <http://dx.doi.org/10.1039/C8RA00531A>

43. Kadalipura Puttaswamy Rakesh, **Suhas Ramesh**, Shivakumar and Dase Channe Gowda, “Effect of Low Charge and High Hydrophobicity on Antimicrobial Activity of the Quinazolinone–Peptide Conjugates”, *Russian Journal of Bioorganic Chemistry*, March **2018**, 44(2), 158-164. (Impact Factor: 0.796)

ISSN: 1068-1620 DOI: <https://doi.org/10.1134/S1068162018020036>

44. Honnegowdanahally K. Kumara, **Suhas Ramesh**, Doddahindaiah M. Suyoga Vardhan, J. Shiva Kumar and Dase Channe Gowda, “Dipeptides as Linker for Multicomponent Presentation - A Facile, Robust and High Bioactivity Yielding Strategy”, *Medicinal Chemistry Research*, May **2018**, 27(5), 1504–1516 (Impact Factor: 1.965)

ISSN: 1054-2523 DOI: <https://doi.org/10.1007/s00044-018-2168-y>

45. K. P. Rakesh, **R. Suhas**, and D. Channe Gowda, “Anti-inflammatory and Antioxidant Peptide-Conjugates: Modulation of Activity by Charged and Hydrophobic Residues”, *International Journal of Peptide Research and Therapeutics*, March **2019**, 25(1), 227-234. (Impact Factor: 1.931)

ISSN: 1573-3904 DOI: <https://doi.org/10.1007/s10989-017-9668-3>

46. H. K. Kumara, **R. Suhas**, D. M. Suyoga Vardhan, M. Shobha and D. Channe Gowda, “Imidazolo and Tryptophan-Imidazolo Hybrid Derived Ureas/Thioureas as Potent Bioactive Agents – SAR and Molecular Modelling Studies”, *Bioorganic Chemistry*, May **2019**, 86, 34-38. (Impact Factor: 5.275)

ISSN: 0045-2068 DOI: <https://doi.org/10.1016/j.bioorg.2019.01.027>

47. H. Pavan Kumar, H. K. Kumara, **R. Suhas**, and D. Channe Gowda, "Multi-target-directed therapeutics: (Urea/thiourea)₂ Derivatives of Diverse Heterocyclic-Lys Conjugates", **Archiv der Pharmazie**, July **2021**, 354(7), 2000468 (Impact Factor: 3.751)
ISSN: 0045-2068 DOI: 10.1002/ardp.202000468
48. Srilatha Rao, **R. Suhas**, M. Mahadevaswamy, C.B. Pradeep Kumar, Gururaj Kudur Jayaprakash, Sowmyashree A S, Shwetha K, Aravinda T, Sandeepkumar, "Synthesis, Electrochemical and DFT Explorations of *tert*-butyl(1-(2-(4-Nitrobenzylidene)-hydrazinyl)-1-oxopropan-2yl)-carbamate using CRCA Metal 1M HCl Solution", **Results in Surfaces and Interfaces**, **2021**, 5, 100023.
ISSN: 2666-8459. DOI: <https://doi.org/10.1016/j.rsurfi.2021.100023>

Invited Book Chapters:

49. **Suhas Ramesh**, Prabhakar Cherkupally, Thavendran Govender, Hendrik G. Kruger, Fernando Albericio and Beatriz G. de la Torre, "Chemical Platforms for Peptide Vaccine Constructs", *In: Advances in Protein Chemistry and Structural Biology, Peptide and Protein Vaccines*, Ed: Rossen Donev, **Elsevier, Amsterdam**, **2015**, Vol. 99, 99-127.
ISBN: 978-0-12-802827-8
Appeared on "Cover Page" of the book
50. Prabhakar Cherkupally, **Suhas Ramesh**, Yahya E. Jad, Thavendran Govender, Hendrik G. Kruger, Beatriz G. de la Torre and Fernando Albericio, "Cyclic Peptides as Privileged Structures", *In: Privileged Scaffolds in Medicinal Chemistry: Design, Synthesis and Evaluation*, Ed: Stefan Bräse, **Royal Society of Chemistry, London**, **2015**, 398-438.
ISBN: 978-1-78262-030-3
51. **Suhas Ramesh**, Beatriz G. de la Torre, Fernando Albericio, Hendrik G. Kruger and Thavendran Govender, "Microwave-Assisted Synthesis of Antimicrobial Peptides", *In: Antimicrobial Peptides*, Vol. 1548 of the series Methods in Molecular Biology, Ed: Paul R. Hansen, **Humana Press, Springer**, **2017**, 51-59.
ISBN: 978-1-4939-6735-3
52. **Suhas Ramesh**, Prabhakar Cherkupally, Thavendran Govender, Hendrik G. Kruger, Beatriz G. de la Torre and Fernando Albericio, "Synthesis of Amides (including peptides) in Continuous Flow Reactors", *In: Science of Synthesis Knowledge Updates*, Ed: Prof. J. Rademann (Vol. Editor) and Prof. E. Schaumann (Editorial Board), **Thieme Chemistry, Germany**, **2017**, Vol 21, 357-377.
ISBN: 978-3-13-241410-5

Proceedings:

53. B.B. Mokaleng, T. Ebenhan, J.D. Venter, **S. Ramesh**, H.G. Kruger, B. Marjanovic-Painter, J.R. Zeevaart, M.M. Sathekge, "Preclinical Characterization of a Novel ⁶⁸Ga-labeled DOTA-depsipeptide-based Imaging Agent for Noninvasive Detection of Infection and

Inflammation”, **Third Theranostics World Congress on Gallium-68 and PRRT**, 12–14 March 2015, Johns Hopkins Medical Campus, Baltimore, **USA**.

Published in J Nucl Med, 2015, 56:2A-30, Society of Nuclear Medicine and Molecular Imaging (Impact Factor: 10.057)

54. **S. Ramesh**, B. Garcia de la Torre, F. Albericio, “Chemical Trifunctional Scaffold for Multimerization and Chemoselective Ligations”, **34th European Peptide Symposium**, 4-9 September 2016, Leipzig University, **Germany**.

Published in J Pept Sci, 2016; 22 S(2): S6-S251 (Impact Factor: 1.905)

Presentation/ Participation in Conferences/ Seminars/ Workshops:

1. Participated in National Seminar and Workshop on **Role of Language in Teaching Science for Undergraduate Courses**, 17-18 December 2004, J.S.S. College of Arts, Commerce and Science, Ooty Road, Mysuru, Karnataka.
2. Participated in **National Symposium on Bioorganic and Medicinal Chemistry** held from 5-7 October 2005 at Department of Studies in Chemistry, University of Mysore, Manasagangotri, Mysuru, Karnataka.
3. K. C. Prakasha, K. N. Shivakumara, **R. Suhas**, B. Santhosh and D. Channe Gowda, “Design, Synthesis and Biological Evaluation of Amino Acids Conjugated 2-Amino-4-arylthiazole Derivatives”, **National Conference on the Emerging Areas in Chemistry**, 31 July - 01 Aug 2009, University of Mysore, Mysuru, Karnataka. (*Poster Presentation*)
4. K. C. Prakasha, **R. Suhas** and D. Channe Gowda, “Design, Synthesis and Antimicrobial Evaluation of Thiazole Conjugated Amino Acids”, State Level Seminar on **Recent Developments in Nano Chemistry - An Overview**, 10 October 2009, Government Science College, Hassan, Karnataka. (*Poster Presentation*)
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**, 18-19 December 2009, Bangalore University, Bengaluru, Karnataka. (*Poster Presentation*)
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**, 23 April 2010, Hoysaleswara College, Arisikere, Hassan, Karnataka. (*Poster Presentation*)
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**, 24-25 February 2011, Pune, India. (*Poster Presentation*)
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, 16-17 September 2011, P.E.S. College of Science, Arts and Commerce, Mandya, Karnataka. (*Poster Presentation*)

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**, 16-17 September 2011, P.E.S. College of Science, Arts and Commerce, Mandya, Karnataka. (*Poster Presentation*)
10. Co-ordinated and participated in one day celebration of **International Year of Chemistry – 2011** at five different districts of Karnataka viz., Mysuru, Hassan, Mandya, Chamarajanagara and Kushalanagara during October-December 2011.
11. Participated in one day Seminar on **Chemistry of Materials** on 25 November 2011 at Sri Jayachamarajendra College of Engineering, Mysuru, 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-2011**, 8-10 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** on 25 February 2012 at JSS College of Arts, Commerce and Science, Ooty Road, Mysuru, Karnataka.
14. Co-ordinated and participated in two day UGC sponsored **Orientation Programme** for undergraduate and postgraduate teachers from 7-8 December 2012 at JSS College of Arts, Commerce and Science, Ooty Road, Mysuru, Karnataka.
15. Participated in two-day National Seminar on **Applications of Science and Technology to Promote Agricultural Growth and Value Addition** from 02-03 December 2012 held at JSS College, Ooty Road, Mysuru, Karnataka.
16. Anamika Sharma, **R. Suhas** and D. Channe Gowda, "Thiourea/ Urea Derivatives of Benzo[d]isothiazole Analogue Conjugated Glu: Synthesis and Biological Evaluation", **100th Indian Science Congress**, 3-7 January 2013, Kolkata. (*Poster Presentation*)
17. S. M. Anil, **R. Suhas**, Syeda Hajira Banu, D. Channe Gowda, "Synthesis of Di/Tri Ureido and Thioureido Derivatives of Mono/Di Lysine Conjugated Heterocycle as Antiulcer Agents", **100th Indian Science Congress**, 3-7 January 2013, Kolkata. (*Poster Presentation*)
18. K. P. Rakesh, **R. Suhas** and D. Channe Gowda, "Synthesis and Biological Evaluation of Amino Acids Conjugated Quinazolinone Derivatives", **100th Indian Science Congress**, 3-7 January 2013, Kolkata. (*Poster Presentation*)
19. C. S. Shantharam, D. M. Suyoga Vardhan, **R. Suhas**, M. B. Sridhara and D. Channe Gowda, "Urea/Thiourea Derivatives of Amino Acids-Benzisoxazole Conjugates: Synthesis, Characterization and Biological Evaluation as Novel Antiglycating Agents", **100th Indian Science Congress**, 3-7 January 2013, Kolkata. (*Poster Presentation*)

20. D. M. Suyoga Vardhan, C. S. Shantharam, **R. Suhas**, M. B. Sridhara and D. Channe Gowda, "Synthesis and Structure Activity Relationship Studies of Urea and Thiourea Derivatives of Glycine/Proline Conjugated to 2,3-Dichlorophenyl Piperazine: An Effective Class of AGE Inhibitors", **100th Indian Science Congress**, 3-7 January 2013, Kolkata. (*Poster Presentation*)
 21. **R. Suhas** and D. Channe Gowda, "Design and Synthesis of Tryptophan Containing Peptides as Potential Analgesic and Anti-Inflammatory Agents", **National Seminar on Recent Advances in Chemical Biology (RACB-2013)**, 15-16 March 2013, Government Science College, Hassan, Karnataka. (*Oral Presentation*)
 22. S. M. Anil, **R. Suhas**, S. Chandan and D. Channe Gowda, "Synthesis of Di/Tri Ureido and Thioureido Derivatives of Mono/Di Lysine Conjugate of 3-(4-Piperidyl)-6-fluoro-1,2-benzisoxazole as a New Series of Antimicrobials", **National Seminar on Recent Advances in Chemical Biology (RACB-2013)**, 15-16 March 2013, Government Science College, Hassan, Karnataka. (*Oral Presentation*)
 23. Anamika Sharma, **R. Suhas**, S. Chandan and D. Channe Gowda, "Novel Urea and Thiourea Derivatives of Thiazole-Glutamic Acid Conjugate as Potential Inhibitors of Microbes", **National Seminar on Recent Advances in Chemical Biology (RACB-2013)**, 15-16 March 2013, Government Science College, Hassan, Karnataka. (*Poster Presentation*)
- Best Poster Presentation Award**
24. Ramesha, **R. Suhas** and D. Channe Gowda, "Synthesis of Amino Acids Conjugated to 2-(*N*-Butyl)-4-chloro-1*H*-imidazole-5-carbaldehyde as Potential Antimicrobial Agents", **National Seminar on Recent Advances in Chemical Biology (RACB-2013)**, 15-16 March 2013, Government Science College, Hassan, Karnataka. (*Poster Presentation*)
 25. Anamika Sharma, **R. Suhas**, K. V. Chandana, Syeda Hajira Banu, D. Channe Gowda, "*tert*-Butyl-1,5-bis(4-(benzo[d]isothiazol-3-yl)piperazin-1-yl)-1,5-dioxopentan-2-ylcarbamate Urea/thiourea Derivatives as Potent H⁺/K⁺-ATPase Inhibitors", **32nd Conference of Indian Council of Chemists**, 28-30 November 2013, Karnatak University, Dharwad, India. (*Oral Presentation*)
 26. B. J. Ullas, P. G. Chandrashekara, **R. Suhas**, S. M. Anil and D. Channe Gowda, "Synthesis and Biological Evaluation of Imidazolo-Amino Acids Conjugates", **32nd Conference of Indian Council of Chemists**, 28-30 November 2013, Karnatak University, Dharwad, India.
 27. K. P. Rakesh, S. M. Anil, **R. Suhas** and D. Channe Gowda, "Novel quinazolinone analogues derived from amino acids: synthesis, characterization and their biological evaluation", **32nd Conference of Indian Council of Chemists**, 28-30 November 2013, Karnatak University, Dharwad, India.
 28. M. B. Sridhara, **R. Suhas**, S. M. Anil, S. Chandan and D. Channe Gowda, "Synthesis and Antimicrobial Studies of Pentapeptides of Elastin Sequences Conjugated to Quinazolinones", **32nd Conference of Indian Council of Chemists**, 28-30 November 2013, Karnatak University, Dharwad, India.

29. Anamika Sharma, **R. Suhas**, Syeda Hajira Banu, S. Chandrashekar and D. Channe Gowda, "Implications of N-capped Urea/Thiourea and C-capped 3-(1-Piperazinyl)-1,2-benzisothiazole with Bridging Gly-Val/Phe-Gly-Val-Pro as Therapeutic Targets", **101st Indian Science Congress**, 3-4 February 2014, Jammu, India.
30. B. J. Ullas, P. G. Chandrashekara, **R. Suhas**, K. P. Rakesh, P. Avinash and D. Channe Gowda, "Schiff's Bases Derived from Amino Acids-Imidazole Conjugates as Promising Antimicrobial Agents", **National Conference on Pure and Applied Chemistry**, 29-31 December 2014, University of Mysore, Mysuru, Karnataka. (*Poster Presentation*)
31. D. M. Suyoga Vardhan, C. S. Shantharam, **R. Suhas**, M. B. Sridhara and D. Channe Gowda, "Synthesis and Biological Screening of Novel Urea/Thiourea Derivatives of Proline Containing Dipeptides Conjugated 2,3-Dichlorophenyl Piperazine", **National Conference on Pure and Applied Chemistry**, 29-31 December 2014, University of Mysore, Mysuru, Karnataka. (*Poster Presentation*)
32. C. S. Shantharam, D. M. Suyoga Vardhan, **R. Suhas**, M. B. Sridhara and D. Channe Gowda, "Urea/Thiourea Derivatives of Amino Acids Linked to 3-(4-Piperidyl)-6-fluoro-1,2-benzisoxazole as Urease Inhibitory Agents", **National Conference on Pure and Applied Chemistry**, 29-31 December 2014, University of Mysore, Mysuru, Karnataka. (*Poster Presentation*)
33. **Suhas Ramesh**, Prabhakar Cherkupally, Thavendran Govender, Hendrik G. Kruger, Fernando Albericio and Beatriz G. de la Torre, "Bromomaleimide Core, a Novel Platform for the Construction of Branched Peptides and Demonstration of Highly Chemoselective Ligations", **11th Australian Peptide Conference**, 25-30 October 2015, **Australia**. (*Poster Presentation*)
34. Participated in a four day **College of Health Sciences Young Researchers Competitive Grant (CHS YRCG) Workshop** organized by University of KwaZulu-Natal, Durban, SA from 24-27 July 2016.
35. **Suhas Ramesh**, Fernando Albericio and Beatriz G. de la Torre, "Chemical Trifunctional Scaffold for Multimerization and Chemoselective Ligations", **6th International Meeting on Antimicrobial Peptides**, 1-3 September 2016, Leipzig University, **Germany**. (*Poster Presentation*)
36. **Suhas Ramesh**, Fernando Albericio and Beatriz G. de la Torre, "Chemical Trifunctional Scaffold for Multimerization and Chemoselective Ligations", **34th European Peptide Symposium and 8th International Peptide Symposium**, 4-9 September 2016, Leipzig University, **Germany**. (*Poster Presentation*)
37. Anamika Sharma, I. R.-Tomillero, **Suhas Ramesh**, Ernesto Nicolas, Hortensia Rodriguez, Beatriz G. de la Torre and Fernando Albericio, "Thp: A versatile protecting group in Solid-Phase Peptide Synthesis", **Frank Warren Conference 2016**, 4-8 December 2016, Rhodes University, **South Africa**. (*Poster Presentation*)
38. Participation in Two-day seminar and exhibition on "**Energy Mix: Need for the Nation**", 11-12 January 2017, Department of Chemistry, The National Institute of Engineering, Mysuru, Karnataka.

39. Organized and participated in UGC sponsored one day state level workshop on “**Choice Based Credit System**” 11 March 2017, JSS College, Ooty Road, Mysuru-25.
 40. Organized and participated in UGC sponsored one day national conference on “**Research Advancements in Chemical Biology**”, 23 March 2017, JSS College, Ooty Road, Mysuru-25.
 41. Participated in conference on “**Green Chemistry - Future Chemistry**”, 09 August 2017, Sarada Vilas College of Pharmacy, Mysuru.
 42. **Suhas Ramesh**, Fernando Albericio and Beatriz G. de la Torre, “An Improved and Efficient Strategy for the Total Synthesis of a Colistin-like Peptide”, **National Conference on Advances in Materials Research**, 18-19 August 2017, Ramaiah University of Applied Sciences, Bengaluru, Karnataka.
 43. **R. Suhas**, F. Albericio and B. G. de la Torre, “Chemical Trifunctional Scaffold for Multimerization and Chemoselective Ligations”, **Science and Technology Conference** (in Kannada), 24-25 November 2017, Karnataka Science and Technology Academy and JSS College, Ooty Road, Mysuru-25, Karnataka.
 44. Organized and participated in UGC sponsored one day **orientation programme on quality of higher education, importance of research and ICT-enabled teaching** for UG and PG teachers, 30 November 2017, JSS College, Ooty Road, Mysuru-25, Karnataka.
 45. **R. Suhas**, “Chemical Trifunctional Scaffold for Multi-drug Presentation to Overcome Drug Resistance in Infectious Diseases”, **UK-India Newton-Bhabha Fund Researchers Links Workshop**, 14-18 December 2017, SDS TRC and Rajiv Gandhi Institute of Chest Diseases, Bengaluru, Karnataka.
- One among twenty participants from the country and selected through open competition***
46. Participated in UGC Sponsored One Day **Workshop on “Analytical Techniques”**, 06 March 2018, JSS College, Ooty Road, Mysuru-25, Karnataka.
 47. Participated in Two-day **Extension Lecture Programme in Chemistry organized by Indian Institute of Science (IISc)**, Bengaluru, 08-09 March 2018, JSS College for Women, Mysuru-09, Karnataka.
 48. Participated in UGC Sponsored “**Industry-Academia Interaction Seminar**”, 17 March 2018, JSS College, Ooty Road, Mysuru-25, Karnataka.
 49. Participated in UGC Sponsored One Day **Workshop on “Capacity Building”**, 24 March 2018, JSS College, Ooty Road, Mysuru-25, Karnataka.
 50. Participated in UGC Sponsored One Day **Seminar on “Intellectual Property Rights”**, 11 April 2018, JSS College, Ooty Road, Mysuru-25, Karnataka.
 51. Participated in Two-day **Extension Lecture Programme in Chemical Biology organized by Indian Institute of Science (IISc)**, Bengaluru, 27-28 December 2018, JSS Science and Technology University, Mysuru-09, Karnataka.

52. **R. Suhas**, F. Albericio and B. G. de la Torre, "6-(Bromomaleimido)hexanoic Acid as a Connector for the Construction of Multiple Branched Peptide Platforms", **11th Annual KSTA Conference**, 01-02 February 2019, NMKRV College for Women, Bengaluru, Karnataka.
53. Participated in UGC Sponsored One Day **Workshop on "Capacity Building for Teachers"**, 16 February 2019, JSS College, Ooty Road, Mysuru-25, Karnataka.
54. **R. Suhas**, F. Albericio and B. G. de la Torre, "Demonstration of Dendrimerization and Exceptional Chemoselective Ligations on a Bromomaleimide Moiety", **National Conference on Synthetic and Biological Peptides: Structures and Strategies for the Development of Drugs, Biologics and Materials**, 14-15 March 2019, Department of Chemistry, Bangalore University, Bengaluru, Karnataka.
55. Participated in **Workshop on "Evolving Course Objectives, Course Outcomes and Question Paper Setting Methods"**, 21 September 2019, JSS Law College, Mysuru-23, Karnataka.
56. **R. Suhas**, F. Albericio and B. G. de la Torre, "Colistin-like Peptide: Total Synthesis Using an Improved and Efficient Strategy", **National Conference on Science and Technology: Rural Development**, 17 and 18 October 2019, University of Mysore, Mysuru-06, Karnataka.
57. Participated in **Workshop on "Scientific Instrumentation and Analytical Techniques"**, 08 and 09 November 2019, Sarada Vilas Advanced Research Centre, Mysuru, Karnataka.
58. **R. Suhas**, F. Albericio and B. G. de la Torre, "A Novel and Robust Approach for Constructing Cyclic Peptides", **National Conference on Innovations in Chemical Sciences (NCICS)**, 30 and 31 January 2020, University of Mysore, Mysuru-06, Karnataka.
59. Participated in UGC sponsored One Day State Level Workshop on **"Teachers' Capacity Building"**, 13 February 2020, JSS College, Ooty Road, Mysuru-25, Karnataka.
60. Organized and participated in UGC sponsored Teachers Enrichment Programme - **"Four-Day Frontier Lecture Series"**, 25 to 28 February 2020, JSS College, Ooty Road, Mysuru-25, Karnataka.
61. Participated in UGC sponsored One-day State level Seminar on **"New Innovations in Advanced Materials"** on 07 March 2020 organised by JSS College, Ooty Road, Mysuru-25, Karnataka.
62. Participated in webinar on **"Venom Peptides: Rethinking Voltage-Gated Sodium Channel Inhibition"**, 22 May 2020 organized by Gyros Protein Technologies, USA.
63. Participated in **Virtual Workshop on the "Drug Design & Discovery"**, 28 May 2020 organized by Bansal Institute of Engineering and Technology, Lucknow, UP.
64. Participated in webinar on **"Spirulina - An Immunity booster"**, 02 June 2020 organized by M.E.S College of Arts, Commerce and Science, Bengaluru.
65. Participated in webinar on **"Higher Education in the 21st Century: Vision and Action in the Current Scenario"** held on 05 and 06 June 2020 organized by Mount Carmel College, Bengaluru.

66. Participated in One Day Faculty Development Webinar on **“Recent Trends in Science and Technology”** held on 05 June 2020 organized by Sapthagiri College of Engineering, Bengaluru.
67. Participated in National Online Webinar on **“Importance of Spectroscopy in NET Examination”** held on 12 June 2020 organized by Government Arts College, Salem, Tamil Nadu.
68. Participated in National Level Webinar on **“Recent Trends in Science”** held on 20th, 22nd and 23rd June 2020 organized by St. Joseph's First Grade College, Mysuru.
69. Completed **One Week Faculty Development Programme on “Emerging Trends in Sciences - Usage of Research Tools and Techniques”** from 15th to 20th June 2020 organized by Vardhaman College of Engineering, Hyderabad.
70. Participated in Virtual Faculty Development Programme on **“Creating Online Courses through Open Educational Resources (OER)”** on 28 June 2020 organized by Navjivan Centre for Development, Gujarat.
71. Successfully completed the Annual Refresher Programme in Teaching **(ARPIT) Course for Career Advancement Scheme (CAS) promotion “Online Refresher Course in Chemistry for Higher Education”** with a "A" Grade under SWAYAM scheme in the proctored examination organized by Sri Guru Tegh Bahadur Khalsa College, University of Delhi.
72. Completed Two Days National Online Faculty Development Program on **"Designing and Implementation of Outcome Based Education (OBE) Model"** on 7th and 8th July 2020 conducted by Shri Muktanand College, Gangapur, Dist. Aurangabad in collaboration with Dr. Babasaheb Ambedkar Marathwada University.
73. Participated in Webinar on **"Long-term Impact of COVID-19 Pandemic on Healthcare Scenario in India"** on 13 July 2020 organized by Ministry of Information and Broadcasting, Govt. of India.
74. Participated in National level Webinar on **“Frontiers in Chemistry”** on 15 July 2020 organized by KLE Society's Jagadguru Thontadarya Arts, Science and Commerce College, Gadag, Karnataka.
75. Successfully completed **4-Week Induction/Orientation Programme for "Faculty in Universities/Colleges/Institutes of Higher Education"** from 26 June – 24 July 2020 and obtained grade A+ organized by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Human Resource Development Pandit Madan Mohan Malviya National Mission on Teachers and Teaching.
76. Completed **UGC (Paramarsh) Online 6 Day FDP on “ICT in Teaching & Evaluation”** organized by MSP Mandal's Shri Shivaji College, Parbhani, Maharashtra from 13th – 18th July 2020.
77. Completed **“One Week Online National Faculty Development Program on E-Contents and ICT Tools for Innovative and Effective Teaching & Learning Process”** organized by

Roorkee College of Management & Computer Applications, Roorkee from 8th – 14th August 2020.

78. Completed **One Week Online Faculty Development Programme on "ICT Enhanced Teaching Learning and Creating MOOCs"** from 18 – 25 August 2020 organized by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Human Resource Development Pandit Madan Mohan Malviya National Mission on Teachers and Teaching and obtained grade A+.
79. Participated in National level Webinar on **"Intellectual Property Rights (IPR)"** on 26 April 2021 organized by Smt. Radhadevi Goenka College of Women, Akola, Maharashtra.
80. Completed **"One Week Online National Faculty Development Program on E-Contents and ICT Tools for Innovative Teaching & Learning"** organized by RCP Universe Group of Institutions, Roorkee from 1st – 7th May 2021.
81. Participated in **Two Days National level Workshop on "E-Content Creation and ICT Tools for Innovative Teaching and Learning"** organized by Nehru Institute of Technology, Tamil Nadu in association with Computer Society of India (CSI) from 14 - 15 May 2021.
82. **R. Suhas** and D. Channe Gowda, "Design and Synthesis of Tryptophan containing Peptides as Potential Analgesic and Anti-inflammatory Agents", **The 2nd Hericure-UKZN: A Hybrid International Conference and Webinar on Recent Progress in Bioactive Compounds & Molecules against Respiratory Diseases and Comorbidities: Theranostics and Future Challenges** on 15th and 16th May 2021, Pune, Maharashtra. (*Oral Presentation*)
Awarded Best Appreciation "Innovative Research"
83. Successfully completed **03 days Online National Workshop on "Video Development & Editing"** with A+ Grade organized by Teaching Learning Centre (under PMMMNMTT Scheme, Ministry of Education, Government of India) of Shri Lal Bahadur Shastri National Sanskrit University, New Delhi from 19th - 21st May 2021.
84. **R. Suhas**, F. Albericio and B. G. de la Torre, "Colistin-like Peptide: Total Synthesis using an Improved and Efficient Strategy", **E-symposium on Recent Trends on Applications of Chemistry in Engineering**, Bharat Institute of Engineering and Technology, Hyderabad from 04th – 06th June 2021. (*Poster Presentation*)
85. Participated in **One Day Webinar on "Best Practices in Online Teaching"**, on 16 June 2021 organised by JSS College, Ooty Road, Mysuru-25, Karnataka.
86. Participated in **Two Days National Level Online Workshop on "Introduction to Molecular Modelling"** organized by Sri GVG Visalakshi College for Women, Udumalpet, Tamil Nadu on 18 and 19 June 2021.
87. Participated in **3-Days Workshop on "Designing and Development of e-Resources for Teaching and Learning" (Part I and Part II)** organized by Rajdhani College, New Delhi, from 22-24 June 2021 and 23-24 July 2021.
88. Participated in **National Webinar "Nurturing Leadership"** organized by JSS College for Women, Mysuru, Karnataka on 30 June and 1 July 2021.

89. Completed **One Week National Level Faculty Development Programme on “Transformation in Indian Education through New Education Policy-Challenges and Opportunities”** organized by Government First Grade College for Women, Balmatta, Mangaluru and St Aloysius College (Autonomous), Mangaluru from 05 to 11 July 2021.
90. Participated in **One Day Online National Webinar entitled “Implementation of Academic Bank of Credits”** organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education on 10th July 2021.
91. Participated in **National Webinar on “Nurturing Leadership”** organized by JSS College for Women, Mysuru on 30 June and 1 July 2021.
92. Participated in the **One Day Online Workshop on “The Significance of Intellectual Property Rights (IPR)”** organized by JSS College of Arts, Commerce and Science, Mysuru-25 on 22 July 2021.
93. Participated in **Five Days National Workshop on “IPR Insight Series Part 1: Patent, Startups and Entrepreneurship”** organized by Cell for IPR Promotion and Management (CIPM) and Department of Electronics and Communication Engineering & IT, Jaipur, Rajasthan.
94. Participated in **One Day Online National Webinar entitled “The Importance of Data Visualization”** organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education on 10th August 2021.
95. Successfully completed the course of **FDP for Career Advancement Scheme (CAS) promotion on the topic “Medicinal Chemistry”** with silver elite (76%) conducted by IISER, Pune under the banner NPTEL (SWAYAM) platform.
96. **R. Suhas**, F. Albericio and B. G. de la Torre, “Demonstration of Dendrimerization and Exceptional Chemoselective Ligations on a Bromomaleimide Moiety”, International Virtual Conference on Current Scenario in Chemical Sciences (CSCS – 2021) organized by School of Chemical Sciences, Moolji Jaitha College (Autonomous), Jalgaon (MS), India on 6th and 7th September 2021. (*e-Poster Presentation*)

Invited Talks:

1. **“Outcome Based Education”** at PG Student Induction Programme for postgraduate students organized by JSS College, Ooty road, Mysuru-25 on 26 Sept 2019.
2. **“CBCS and CAGP** at Faculty Induction Programme for newly recruited higher education teachers organized by JSS College, Ooty road, Mysuru-25 on 07 Nov 2019.
3. **“Advanced Instrumentation Techniques”** at Department of Studies in Biotechnology, Davanagere University, Karnataka on 14 March 2021.
4. **CBCS-CAGP and OBE** at “DEEKSHARAMBA” conducted for UG and PG programmes organized by JSS College, Ooty road, Mysuru-25 during Dec 2020 and March 2021.

5. **“Principles and Applications of Spectroscopic Techniques”** at National Webinar Series organized by Department of Studies in Biotechnology, Davanagere University, Karnataka on 17 June 2021.
6. **“Academic Research and Copyright Issues”** at State Level Virtual Webinar on Intellectual Property Rights (IPR) organized by KLE Society’s Jagadguru Tontadarya College, Gadag-Betageri, Karnataka on 10 July 2021.
7. **“Research Publications in Indexed Journals”** at Seven-Day National Level Faculty Development Programme organized by Sri Venkataramana Swamy College, Bantwal, Karnataka on 18 Sept 2021.
8. **“NEP Implementation in Karnataka”** at One Day Workshop on Implementation of Nep-2020 organized by JSS College, Ooty road, Mysuru-25 on 07 Sept 2021.

Extension/ Co-curricular Activities:

Sl. No.	Event	Coordinator/ Member
1	Celebration of “International Year of Chemistry – 2011” 14/10/2011 Mysuru district 08/11/2011 Hassan district 17/11/2011 Chamarajanagara district 21/11/2011 Mandya district 24/12/2011 Kushalanagara district	Coordinator
2	Awareness Programme on “Right to Education, Opportunities Available for Socially Weaker Sections and Students and Physically Challenged” held on 08/02/2012 at JSS College, Ooty Road, Mysuru, Karnataka	Coordinator
3	Orientation Programme on “Life Skills and ICT Enabled Teaching” held on 25/02/2012 at JSS College, Ooty Road, Mysuru, Karnataka	Coordinator
4	One day Workshop on “Career Planning and Entrepreneurship Development” held on 05/03/2012 at JSS College, Ooty Road, Mysuru, Karnataka	Coordinator
5	Two day Orientation Programme for Undergraduate and Postgraduate Teachers held from 07-08/12/2012 at JSS College, Ooty Road, Mysuru, Karnataka	Coordinator
6	Celebration of “National Mathematical Year – 2012” held on 27/12/2012 at JSS College, Ooty Road, Mysuru, Karnataka	Coordinator
7	Equal Opportunity Centre, JSS College, Ooty Road, Mysuru, Karnataka 2012-2013	Coordinator
8	One day State Level Workshop on ‘Basic Techniques in Instrumental Methods’, 27/03/2013, JSS College, Ooty Road, Mysuru, Karnataka	Member

9	PG Central valuation, JSS College, Ooty Road, Mysuru, Karnataka 11-28 January 2017 and 13-25 June 2017	Coordinator
10	Implementation of CBCS to UG programmes, JSS College, Ooty Road, Mysuru, Karnataka One day State Level Workshop on Choice Based Credit System 11/03/2017	Coordinator
11	UGC sponsored National Conference on "Research Advancements in Chemical Biology" 23/03/2017, JSS College, Ooty Road, Mysuru, Karnataka	Organizing Secretary
12	National Conference on Challenges and Opportunities for Researchers and Health Care Professionals in the Management of Metabolic Disorders, Sarada Vilas College of Pharmacy, 07-08/04/2017	Chaired a scientific session
13	International Centre, JSS College, Ooty Road, Mysuru, Karnataka	Coordinator
14	Board of Examiners, PG Dept. of Chemistry, JSS College, Ooty Road, Mysuru, Karnataka	Member 2017-18, 2019-20
15	National Institutional Ranking Framework (NIRF) committee, JSS College, Ooty Road, Mysuru, Karnataka	Member
16	UGC sponsored one day "Orientation Programme on Quality of Higher Education, Importance of Research and ICT-Enabled Teaching" for UG and PG teachers, 30/11/2017, JSS College, Ooty Road, Mysuru, Karnataka	Coordinator
17	UGC Sponsored One Day Workshop on "Analytical Techniques", 06/03/2018, JSS College, Ooty Road, Mysuru, Karnataka	Member
18	Paper-reading Science Seminar Competition, 06/12/2018, Bhagini Seva Samaja, Mysuru	Jury Member
19	NAAC Working Committee (IV Cycle), JSS College, Ooty Road, Mysuru, Karnataka	Member
20	PG Student Induction Programme (for Freshers), 26/09/2019, JSS College, Ooty Road, Mysuru, Karnataka	Resource Person
21	Teacher Induction Programme, 6 and 7/11/2019, JSS College, Ooty Road, Mysuru, Karnataka	Resource Person
22	UGC Sponsored Teachers Enrichment Programme – "Four-Day Frontier Lecture Series", 25 to 28/02/2020, JSS College, Ooty Road, Mysuru, Karnataka	Organizing Secretary
23	UGC Sponsored One Day State Level Seminar on "Innovations in Advanced Materials", 07/03/2020, JSS College, Ooty Road, Mysuru, Karnataka	Coordinator
24	Board of Examiners (MSc.Ed.), Regional Institute of Education (RIE), Mysuru	Member 2020 2021

25	Internal Quality Assurance Cell (IQAC), JSS College, Ooty Road, Mysuru, Karnataka (Teacher representative)	Member 2020-22
26	Board of Examiners, Government College for Women, Mandya	Member 2021-22
27	Implementation of NEP-2020 to four year undergraduate programmes, JSS College, Ooty Road, Mysuru, Karnataka	Member
28	Board of Studies (BOS), PG Department of Chemistry, JSS College, Ooty Road, Mysuru, Karnataka	Member 2020-23
29	Selection for the post of Principal, SVEI PU College, Mysuru (13/09/2021)	Selection Board Member

Administrative Assistance:

- Remains actively involved in the Statutory Bodies viz., Governing Body, Academic Council, Finance Committee, etc. in the preparation of Notes to Agenda/ Proceedings, etc.
- Active involvement in the preparation of Self Study Report (SSR) for NAAC, Academic and Administration Audit, University Review Committee, IQAC, AQAR, Admissions, etc.

Any other information:

- Guidance for B.Sc. students for project work under '**Star College**' scheme, DBT, Government of India and M.Sc. students for project work as part of the curriculum.
 - Involvement in examination work like question paper setting, practical examination, valuation etc. (both internal and external).
 - **Reviewer for the following journals:**
 - Amino Acids (Springer)
 - Int. J. Pept. Res. Thera. (Springer)
 - South African J. Chem. (SACI)
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