



CURICULLUM VITAE

of

DR. D. CHANNE GOWDA

PROFESSOR

Department of Studies in Chemistry

University of Mysore

Manasagangotri

Mysore – 570 006, Karnataka, India

I. Personal:

Name : Dr. D. Channe Gowda

Date of Birth : 09-03-1953

Designation : Professor of Chemistry

Qualification : M.Sc., Ph.D.

Address:

a) Office : Department of Studies in Chemistry
University of Mysore
Manasagangotri
Mysore – 570 006

b) Residence : No. 691, “Naidile”
3rd Main, 3rd Cross
‘I’ Block, Ramakrishnanagar
Mysore – 570 023

c) E-mail : dchannegowda@yahoo.co.in

Contact phone numbers

a) Office : 0821-2419664

b) Residence : 0821-2344348

c) Mobile : 94498 34348

II. Academic:

1. Qualification:

Ph.D: 1988; Bangalore University, Bangalore, India.
Organic Chemistry (Peptide Synthesis)

M.Sc: 1976; Mysore University, Mysore, India.

B.Sc: 1974; Mysore University, Mysore, India.

2. Position held:

Position	From	To	Institution
Professor	1999	Present	DOS in Chemistry, University of Mysore, Mysore
Reader	1996	1999	DOS in Chemistry, University of Mysore, Mysore
Lecturer	1976	1988	Bharathi Educational Trust, Bharathinagar, Mandya
Reader	1988	1996	

3. Area of Specialization: (i) Synthetic Organic Chemistry (ii) Peptide Chemistry (iii) Protein-based polymers (iv) Catalytic Transfer Hydrogenation (v) Conjugation Chemistry

4. Awards/ Recognition:

Teacher Fellow (FIP)	University Grant Commission	1980-84
Visiting Scientist	Biological Process Technology Institute, University of Minnesota St. Paul, MN, USA	1999-00 (three months each)
	Laboratory of Molecular Biophysics, The University of Alabama at Birmingham, Birmingham, AL, USA.	1995,96,97 (three months each)
Supervisor	Bioelastic Research Limited, Birmingham, AL, USA.	1992-94
Assistant Professor	Laboratory of Molecular Biophysics, The University of Alabama at Birmingham, AL, USA.	1992-94
Post Doctoral Fellow	Laboratory of Molecular Biophysics, The University of Alabama at Birmingham, AL, USA.	1989-92

5. Research Award for the year 2003-04 : Sanke Gowda Research Award

Member : National Academy of Sciences, India

Recent achievement in scientific field : One of the papers has been recognized as "**Most Downloaded Tetrahedron Letters articles**" 2012.

Recognition among the old students/ society: On a grand scale, "**Guruvandana**" programme was organized by old students on 05th Sept. 2010 i.e., Teacher' day witnessed by more than 2000 people.

6. Major Research Projects Completed:

Sl. No.	Title of the Project	Funding Agency	Amount	Year (From-To)
01	Development of new methodologies and mechanism in catalytic transfer hydrogenation and their application to organic synthesis	UGC, New Delhi	Rs. 5,00,000/-	2002-2005
02	Development of Bioelastic Materials for Drug Delivery	NIH, USA	\$50,371	1993-1994
03	Bioelastic Materials for Strabismus and Retinal Surgery	NIH, USA	\$50,671	1993-1994
04	Design and Synthesis of Cathelicidin-Derived Bioactive Peptides and Peptide Derivatives as Novel Therapeutic Agents for the Circumvention of Drug Resistance in <i>Mycobacterium Tuberculosis</i>	CSIR, New Delhi	Rs. 10,00,000/-	2004-2007
05	Departmental Research Grant (Deputy Co-ordinator)	UGC-SAP, New Delhi	Rs. 55,00,000/-	2004-2009

7. Number of Ph.D. candidates successfully completed: -16- (See Annexure 1)

8. Number of Ph.D. candidates currently working: -07-

9. Number of M.Phil. candidates successfully completed: -04-

10. Number of M.Phil. candidates currently working: --

Number of Research Publications: 148

Sum of the times cited: 1399+

Average citations per item: 10.44

h-index: 21

11. Research Publications:

Articles in Journals:

1. K. M. Sivanandaiah, S. Gurusiddappa and **D. Channe Gowda**, "Catalytic Transfer Hydrogenation of Aromatic Nitro Compounds Employing Formic Acid in the Presence of Palladium Black," *Indian J. Chem.* **24B**, 1185, 1985.
2. K. M. Sivanandaiah, S. Gurusiddappa and **D. Channe Gowda**, "New Analogues of Leucine-methionine Enkephalin," *J. Biosci.* **13(2)**, 181-187, 1988.
3. K. M. Sivanandaiah, S. Gurusiddappa and **D. Channe Gowda**, "Improved Solid Phase Synthesis of LHRH Analogues Using Fmoc-Amino Acid Active Esters and Catalytic Transfer Hydrogenation with Minimal Side Chain Protection and their Biological Activities," *J. Biosci.* **14(3)**, 311-318, 1989.
4. Alastair Nicol, **D. Channe Gowda**, Kari U. Prasad and Dan W. Urry, "Promotion of Cell Adhesion to Elastomeric Polypeptide matrices by the Covalent Incorporation of Cell Attachment Sequences," In *Cardiovascular Science and Technology: Basic and Applied II* (J.C. Norman, Editor), Oxymoron Press, Louisville, Kentucky, 254-257, 1990.
5. Alastair Nicol., **D. Channe Gowda** and Dan W. Urry, "Elastic Protein-Based Polymers as Cell Attachment Matrices", *J. of Vasc. Surg.* **13(5)**, 746-748, 1991.
6. Dan W. Urry, Timothy M. Parker, Michael C. Reid and **D. Channe Gowda**, "Biocompatibility of the Bioelastic Materials, Poly(GVGVP) and its γ -Irradiation Cross-linked Matrix: Summary of Generic Biological Test Results", *J. Bioactive and Compatible Polym.* **6(3)**, 263-282, 1991.
7. Dan W. Urry, C.H. Luan, T.M. Parker, **D. Channe Gowda**, K.U. Prasad, M.C. Reid, and A. Safavy, "Temperature of Polypeptide Inverse Temperature Transition Depends on Mean Residue Hydrophobicity", *J. Am. Chem. Soc.* **113**, 4346-4348, 1991.
8. Dan W. Urry, Larry, C. Hayes, **D. Channe Gowda** and Timothy M. Parker, "Pressure Effect on Inverse Temperature Transitions: Biological Implications", *Chem. Phys. Lett.* **182(2)**, 101-106, 1991.
9. Asima Pattanaik, **D. Channe Gowda** and Dan W. Urry, "Phosphorylation and Dephosphorylation Modulation of an Inverse Temperature Transition", *Biochem. Biophys. Res. Comm.*, **178(2)**, 539-454, 1991.

10. Alastair Nicol, **D. Channe Gowda** and Dan W. Urry, "Cell Adhesion and Growth on Synthetic Elastomeric Matrices Containing Arg-Gly-Asp-Ser-³", *J. of Biomed, Mater. Res.*, **26**, 393-413, 1992.
11. Frederick J. Elsas, **D. Channe Gowda** and Dan W. Urry, "Synthetic Polypeptide Sleeve for Strabismus Surgery", *J. Pediatr, Ophthalmol, Strabismus*, **29**, 284-286, 1992.
12. Chi-Hao Luan, Timothy M. Parker, **D. Channe Gowda** and Dan W. Urry, "Hydrophobicity of Amino Acid Residues; DSC and Synthesis of the Aromatic Analogs of the Polypentapeptide of Elastin", *Biopolymers*, **32**, 1251-1261, 1992.
13. Dan W. Urry, **D. Channe Gowda**, Timothy M. Parker, Michael C. Reid, Cynthia M. Harris, Asima Pattanaik and R. Dean Harris "Hydrophobicity Scale for Proteins Based on Inverse Temperature Transitions", *Biopolymers*, **32**, 1243-1250, 1992.
14. Dan W. Urry, **D. Channe Gowda**, S.Q. Peng, T.M. Parker and R.D. Harris, "Design at Nanometric Dimensions to Enhance Hydrophobicity-Induced pKa Shifts", *J. Am. Chem. Soc.* **114**, 8716-8717, 1992.
15. Dan W. Urry, Timothy, M. Parker, **D. Channe Gowda**, D.S. Minehan, C. Morrow, D.T. McPherson, A. Nicol, A. Pattanaik, and S.Q. Peng, "The Capacity to Vary the Bioactive Role of Elastic Protein-Based Polymers" *Am. Chem. Soc. Div. of Polym. Mater. Sci. & Eng.* **66**, 399-402, 1992.
16. Dan W. Urry, Larry C. Hayes, **D. Channe Gowda**, Cynthia M. Harris and R. Dean Harris, "Reduction Driven Polypeptide Folding by the T_{\dagger} Mechanism", *Biochem. Biophys. Res. Comm.*, **188**, 611-617, 1992.
17. D.W. Urry, C. H. Luan, S.Q. Peng, T.M. Parker and **D. Channe Gowda**, "Hierarchical and Modulable Hydrophobic Folding and Self-assembly in Elastic Protein-based Polymers: Implications for Signal Transduction," *Mat, Res. Soc. Symp. Proc.*, **255**, 411-422, 1992.
18. Dan W. Urry, **D. Channe Gowda**, C. M. Harris, R.D. Harris and B.A. Cox, "Development of Bioelastic Materials as Biocompatible, Transducible and Degradable Drug Delivery Matrices," *Polym. Preprints, Am. Chem. Soc., Poly. Chem. Div.*, **33(2)**, 84-85, 1992.
19. K.M. Sivanandaiah, S. Gurusiddappa, **D. Channe Gowda** and V.V. Suresh Babu, "Solid Phase Synthesis of Leuteinizing Hormone-Releasing Hormone," *Vignanaabharathi*, **13**, 1-7, 1993.
20. Dan W. Urry, ShaoQing Peng, Timothy M. parker, **D. Channe Gowda** and Roland D. Harris, "Relative Significance of Electrostatic and Hydrophobic - Induced pKa Shifts in a

Model Protein: The Aspartic Acid Residue”, *Angew. Chem. (German)* **195**, 1523-1525, 1993; *Angew. Chem. Int. Ed. Engl.* **32**, 1440-1442, 1993.

21. Dan W. Urry, **D. Channe Gowda**, L.D. Hoban, A. Mckee, T. Williams, D.B. Olsen and B.A. Cox, “Medical Applications of Bioelastic Materials,” In *Biotechnological Polymers” Medical, Pharmaceutical and Industrial Applications* (Charles G. Gebelein, Ed.), Technomic Publishing Co. Inc., 82-103, 1993.
22. Dan W. Urry, **D. Channe Gowda**, Betty A. Cox, Lynne D. Hoban, Adam McKee and Taffy Williams, “Properties and Prevention of Adhesions Application of Bioelastic Materials,” *Mat. Res. Soc. Symp. Proc.*, 292, 253-264, 1993.
23. Alastair Nicol, **D. Channe Gowda**, Timothy M. Parker and Dan W. Urry, “Elastomeric Polytetrapeptide Matrices: Hydrophobicity Dependence of Cell Attachment from Adhesive, (GGIP)_n, to Non-adhesive, (GGAP)_n, even in Serum”, *J. Biomed, Mtrls. Res.*, **27**, 801-810, 1993.
24. Lynne D. Hoban, Marissa Pierce, Jerry Quance, Isaac Hayward, Adam McKee, **D. Channe Gowda**, Dan W. Urry and Taffy Williams, “The Use of Polypentapeptides of Elastin in the Prevention of Postoperative Adhesions”, *J. Surgical Research*, **56**, 179-183, 1994.
25. Alastain Nicol, **D. Channe Gowda**, Timothy M. Parker and Dan W. Urry, “Cell Adhesive Properties of Bioelastic Materials Containing Cell Attachment Sequences,” In *Biotechnol. Bioactive Polym.* (C.G. Gebelein and C.E. Carrahere, Jr., Eds.), Plenum Press, New York pp. 95-113, 1994.
26. Dan W. Urry, **D. Channe Gowda**, Shao Qing Peng, Timothy M. Parker, Naijie Jing and R. Dean Harris, “Nanometric Design of Extraordinary Hydrophobicity Induced pKa Shifts for Aspartic Acid; Relevance to Protein Mechanisms”, *Biopolymers*, **34**, 889-896, 1994.
27. **D. Channe Gowda**, Timothy M. Parker, R. Dean Harris and Dan W. Urry, “Synthesis, Characterizations and Medical Applications of Bioelastic Materials,” In *Peptides: Design, Synthesis and Biological Activity* (Channa Basava and G.M. Anantharamaiah, Eds.), Birkhauser, Boston, MA, pp. 81-111, 1994.
28. Dan W. Urry, **D. Channe Gowda**, Cynthia M. Haris and R. Dean Harris, “Bioelastic Materials and the T_t mechanism in Drug Delivery,” In *Polymeric Drugs and Drug Administration* (Raphael M. Ottenbrite, ed.), American Chemical Society Symposium Series 545, pp. 15-28, 1994.
29. **D. Channe Gowda**, T.M. Parker, C.M. Harris, R.D. Harris, D.W. Urry, “Design and Synthesis of Polytricosapeptides to Enhance Hydrophobic-induced pKa Shifts,” In

Peptides - Chemistry, Structure and Biology, (R.S. Hodges and J.A. Smith, Eds.) Proc. of the 13th Am. Peptide Symp., Edmonton, Canada, pp. 940-943, 1994.

30. Dan W. Urry, Shao Qing Peng, **D. Channe Gowda**, Timothy M. Parker and R. Dean Harris, "Comparison of Electrostatic and Hydrophobic-induced pKa Shifts in Polypentapeptides: The Lysine Residue", *Chem. Phys. Lett.*, **225**, 97-103, 1994.
31. Luke A. Strzegowski, Manuel Bueno Martinez, **D. Channe Gowda**, Dan W. Urry and David A. Tirrell, "Photomodulation of the Inverse Temperature Transition of a Modified Elastin Poly(Pentapeptide)", *J. Am. Chem. Soc.*, **116**, 813-814, 1994.
32. Dan W. Urry, **D. Channe Gowda**, Shao Qing Peng and Timothy M. Parker, "Non-linear Hydrophobic-induced pKa Shifts: Implications for Efficiency of Conversion to Chemical Energy", *Chem. Phys. Lett.*, **239**, 67-74, 1995.
33. Dan W. Urry, Larry C. Hayes, **D. Channe Gowda**, Shao Qing Peng and Naijie Jing, "Electro-mechanical Transduction in Elastic Protein-based Polymers", *Biochem. Biophys. Res. Commun.*, **210**, 1031-1039, 1995.
34. Dan W. Urry, David T. McPherson, Jie Xu, **D. Channe Gowda** and Timothy M. Parker, "Elastic and Plastic Protein based Polymers: Potential for Industrial uses," (Am. Chem. Soc.) Div. Polym. Mat., Sci. & Engr., "Industrial Biotechnological Polymers," Washington, D.C. pp. 259-281, 1995.
35. Dan W. Urry, Alastair Nicol, David T. McPherson, Jie Xu, Peter R. Shewry, Cynthia M. Harris, Timothy M. Parker and **D. Channe Gowda**, "Properties, Preparations and Applications of Bioelastic Materials," In Handbook of Biomaterials and Applications, Marcel Dekker, Inc., New York, pp. 1619-1673, 1995.
36. **D. Channe Gowda**, Chi-Hao Luan, Raymond L. Furner, Shao Qing Peng, Naijie Jing, Cynthia M. Harris, Timothy M. Parker and Dan W. Urry, "Synthesis and Characterization of Human Elastin W₄ Sequence", *Int. J. Pept. Protein Res.*, **46**, 453-463, 1995.
37. Dan W. Urry, D. T. McPherson, J. Xu, H. Daniell, C. Guda, **D. Channe Gowda**, Naijie Jing, T.M. Parker, "Protein Based Polymeric Materials: Syntheses and Properties" in The Polymeric Materials Encyclopedia: Synthesis, Properties and Applications, CRC Press, Boca Raton, 7263-7269, 1996.
38. Dan W. Urry, Cynthia M. Harris, Chi Xiang Luan, Chi-Hao Luan, **D. Channe Gowda**, Timothy M. Parker, ShaoQing Peng, and Jie Xu, Chapter entitled "Transductional Protein-based Polymers as New Controlled Release Vehicles," Part VI : New Biomaterials for Drug Delivery, in Controlled Drug Delivery : The Next Generation, (Kinam Park, ed.) Am. Chem. Soc., Professional Reference Book, 405-437, 1997.

39. Dan W. Urry, Asima Pattanaik, Mary Ann Accavitti, Chi-Xiang Luan, David T. McPherson, Jie Xu, **D. Channe Gowda**, Timothy M. Parker, Cynthia M. Harris and Naijie Jing, "Transductional Elastic and Plastic Protein-based Polymers as Potential Medical Devices," In Handbook of Biodegradable Polymers, ed. by Domb, Kost and Wiseman, Harwood Academic Publishers, Chur, Switzerland, 367-386, 1997.
40. Dan W. Urry, Shao Qing Peng, L.C. Hayes, D. McPherson, J. Xu, T.C. Woods, **D. Channe Gowda** and A. Pattanaik, "Engineering Protein-based Machines to Emulate Key Steps of Metabolism (Biological Energy Conversion)" *Biotechnology and Bioengineering*, 175-190, 1998.
41. Dan W. Urry, Chi-Xiang Luan, Cynthia Harris, Jie Xu, Timothy Parker and **D. Channe Gowda**, "The Mechanism in the Design of Self-assembling Structures", *Mat. Res. Soc. Symp. Proc.*, **389**, 443-454, 2002.
42. **D. Channe Gowda**, B. Rajesh and Shankare Gowda, "Ammonium Formate Catalytic Transfer Hydrogenation: A Convenient Method for the Removal of Halogenated Benzyloxy Carbonyl and Benzyl Protecting Groups in Peptide Synthesis", *Indian J. Chem. Sect. B.*, **39B**, 504-508, 2000.
43. **D. Channe Gowda** and Shankare Gowda, "Formic Acid with 10% Palladium on Carbon: A Reagent for Selective Reduction of Aromatic Nitro Compounds," *Indian J. Chem. Sect. B*, **39B**, 709-711, 2000.
44. **D. Channe Gowda** and B. Mahesh, "Catalytic Transfer Hydrogenation of Aromatic Nitro Compounds by Employing Ammonium Formate and 5% Platinum on Carbon", *Synth. Commun*, **30**, 3639-3644, 2000.
45. **D. Channe Gowda**, A. S. Prakasha Gowda, A. Ramesha Baba and Shankare Gowda, "Nickel-Catalysed Formic Acid Reductions, A Selective Method for the Reduction of Nitro Compounds", *Synth. Commun.*, **30**, 2889-2895, 2000.
46. **D. Channe Gowda**, B. Mahesh and Shankare Gowda, "Zinc-Catalysed Ammonium Formate Reductions: Rapid and Selective Reduction of Aliphatic and Aromatic Nitro Compounds", *Indian J. Chem., Sec. B*, **40B**, 75-77, 2001.
47. M. N. Kumara, **D. Channe Gowda** and K. S. Rangappa, "Oxidation of Dipeptides with Mn(III): Synthesis, Characterization and Mechanistic Study", *React. Kinet. Catal. Lett.*, **72**, 331-342, 2001.
48. **D. Channe Gowda**, B. K. Kempe Gowda and K. S. Rangappa, "Sequence Dependence of Oxidation of Some Repeating Pentapeptide Sequences of Elastin with Electrolytically

Generated Mn(III): Synthesis, Kinetics and Mechanistic Study”, *J. Phy. Org. Chem.*, **14**, 716-726, 2001.

49. **D. Channe Gowda**, B. K. Kempe Gowda and K. S. Rangappa, “Synthesis and Kinetics of Oxidation of Some Tripeptides of Elastin Sequences with Anodically Generated Manganese (III) Sulphate: Mechanistic Study”, *Syn. React. Inorg. Met-Org. Chem.*, **31**, 1109-1126, 2001.
50. M. N. Kumara, K. S. Rangappa and **D. Channe Gowda**, “Synthesis and Kinetics of Oxidation of Phenylalanyl-Glycine, Isoleucyl-Glycine and Leucyl-Glycine with Anodically Generated Manganese (III) Sulphate: Mechanistic Study”, *Syn. React. Inorg. Met-Org. Chem.*, **31**, 1771-1785, 2001.
51. A. Ramesha Baba and **D. Channe Gowda**, “Utilization of EDCI/HOBt as Polymerizing Agent”, *Lett. Pept. Sci.*, **(8)**, 309-318, 2002.
52. **D. Channe Gowda**, “Magnesium/Hydrazinium Monoformate: A New Hydrogenation Method for the Removal of Some Commonly used Protecting Groups in Peptide Synthesis,” *Tetrahedron Lett.*, **43**, 311-313, 2002.
53. Dan W. Urry, Chi-Xiang Luan, Cynthia Harris, Jie Xu, Timothy Parker and **D. Channe Gowda**, “The mechanism in the Design of Self-assembling Structures,” *Mat. Res. Soc. Symp. Proc.*, **389**, 443-454, 2002.
54. Shankare Gowda, K. Abiraj and **D. Channe Gowda**, “Reductive Cleavage of Azo Compounds Catalyzed by Commercial Zinc Dust by using Ammonium Formate or Formic Acid,” *Tetrahedron Lett.*, **43**, 1329-1331. 2002.
55. Shankare Gowda and **D. Channe Gowda**, “Application of Hydrazinium Monoformate as New Hydrogen Donor with Raney Nickel; A Facile Reduction of Nitro and Nitrile Moieties”, *Tetrahedron*, **58**, 2211-2213, 2002.
56. B. K. Kempe Gowda, H. S. Prasad, K. S. Rangappa and **D. Channe Gowda**, “Hydrophobicity Dependence of Oxidation of Tetrapeptides of Elastin Sequences with Mn(III): Synthesis, Characterization, Kinetics and Mechanistic Study”, *Int. J. Chem. Kinet.*, **34**, 39-48, 2002.
57. Shankare Gowda and **D. Channe Gowda**, “A New System for the Synthesis of Azo Compounds by Catalytic Transfer Hydrogenation: Application of Lead/Ammonium Formate”, *Synthesis*, 460-462, 2002.

58. **D. Channe Gowda** and B. Mahesh "New Hydrogen Donor: A Facile for the Removal of Hydrogenolysable Protecting Groups in Peptide Synthesis", *Protein Peptide Lett.*, **9(3)**, 225-230, 2002.
59. **D. Channe Gowda**, "Removal of Some Commonly used Protecting Groups from Peptides by Catalytic Transfer Hydrogenation with Formic Acid and 10% Palladium on Carbon," *Indian J. Chem., Sec. B*, **41B**, 1064-1067, 2002.
60. B. K. Kempe Gowda, K. S. Rangappa and **D. Channe Gowda**, "Kinetic Studies on Oxidation of Gly-Val-Gly, Gly-Phe-Gly and Ala-Val-Gly using Mn (III)", *Indian J. Chem. Sec. B*, **41B**, 1039-1044, 2002.
61. M. N. Kumara, **D. Channe Gowda** and K. S. Rangappa, "Synthesis and Kinetics of Oxidation of Some Di-Peptides with Anodically Generated Manganese (III) Sulphate: Mechanistic Study", *Int. J. Chem. Kinet.*, **34**, 438-444, 2002.
62. K. Abiraj, Shankare Gowda and **D. Channe Gowda**, "Magnesium/Hydrazinium Monoformate: A New Hydrogenation System for Selective Reduction of Nitro Compounds", *Syn. React. Inorg. Met-org Chem.*, **32(8)**, 1409-1417, 2002.
63. Shankare Gowda, K. Abiraj and **D. Channe Gowda**, "Reductive Cleavage of Azo Compounds Catalyzed by Commercial Zinc Dust and Hydrazinium Monoformate as New Hydrogen Donor for Heterogeneous Catalytic Transfer Hydrogenation", *J. Chem. Res. (S)*, 384-385, 2002.
64. **D. Channe Gowda**, A. Ramesha Baba and Chi-Hao Luan, "Hydrophobicity Profile of Amino Acid Residues: A Differential Scanning Calorimetry and Circular Dichroism Study of Leucine and Isoleucine co-polypeptides of the Protein-based Polymers of Elastin", *Ind. J. Chem, Sec. B.*, **41B**, 2606-2613, 2002.
65. **D. Channe Gowda**, K. Abiraj, Paul Augustine, "New Hydrogenation Catalyst: An Advantageous Method for the Removal of Hydrogenolysable Protecting Groups in Peptide Synthesis." *Lett. Pept. Sci.*, **(9)**, 43-47, 2002.
66. **D. Channe Gowda** and K. Abiraj "Heterogeneous Catalytic Transfer Hydrogenation in Peptide Synthesis", **(Review)** *Lett. Pept. Sci.*, **(9)**, 153-165, 2002.
67. K. Abiraj, A. S. Prakasha Gowda and **D. Channe Gowda** "Synthesis of Shorter Active Analogues of Bactenecin7: The Effect of Change of N-terminal Configuration on Antimicrobial Activity", *Lett. Pept. Sci.* **(9)**, 283-290, 2002.

68. Shankare Gowda, B.K. Kempe Gowda and **D. Channe Gowda**, "Hydrazinium Monoformate: A New Hydrogen Donor. Selective Reduction of Nitrocompounds Catalysed by Commercial Zinc Dust", *Synth. Commun.*, **33 (2)**, 281-289, 2003.
69. H. S. Prasad, Shankare Gowda, K. Abiraj and **D. Channe Gowda**, "Catalytic Transfer Hydrogenation of Azo Compounds to Hydrazo Compounds by using Inexpensive Commercial Zinc Dust and Hydrazinium Monoformate", *Syn. React. Inorg. Met-Org Chem.* **33 (4)**, 717-724, 2003.
70. Shankare Gowda and **D. Channe Gowda**, "Zinc/Hydrazine: A Low Cost- Facile System for the Reduction of Nitrocompounds", *Ind. J. Chem. Sec. B*, **42B**, 180-183, 2003.
71. G. R. Srinivasa, K. Abiraj and **D. Channe Gowda**, "The Synthesis of Azo Compounds from Nitrocompounds using Lead and Triethylammonium formate", *Tetrahedron Lett.*, **44**, 5835-5837, 2003.
72. K. Abiraj, Shankare Gowda and **D. Channe Gowda**, "Magnesium-Catalyzed Cost-effective and Rapid Cleavage of Azo Compounds using Ammonium Formate", *J. Chem. Res. (S)*, 299-300, 2003.
73. K. Abiraj and **D. Channe Gowda**, "Zinc/Ammonium formate: A New Facile System for the Rapid and Selective Reduction of Oximes to Amines", *J. Chem. Res. (S)*, 332-334, 2003.
74. **D. Channe Gowda**, Shankare Gowda and K. Abiraj, "Rapid Cleavage of Azo Compounds to Amine/s using Raney Nickel and Ammonium Formate", *Indian J. Chem. Sec. B.*, **42B**, 1774-1776, 2003.
75. G. R. Srinivasa, K. Abiraj and **D. Channe Gowda**, "Magnesium/Ammonium Formate: A Cost-Effective System for the Rapid and Selective Reduction of Nitro Compounds", *Indian J. Chem. Sec. B.*, **42B**, 2882-2884, 2003.
76. G. R. Srinivasa, K. Abiraj and **D. Channe Gowda**, "Hydrazine/Magnesium Mediated Cost-effective and Selective Reduction of Nitro Compounds", *Indian J. Chem. Sec. B.*, **42B**, 2885-2887, 2003.
77. G. R. Srinivasa, L. Nalina, K. Abiraj and **D. Channe Gowda**, "Zinc/Ammonium Formate: A Simple, Chemo-selective and Cost-effective Protocol for the Reduction of Azides to Amines" *J. Chem. Res. (S)*., 630-631, 2003.
78. G. R. Srinivasa, K. Abiraj and **D. Channe Gowda**, "Lead Catalyzed Synthesis of Azo Compounds by Ammonium Acetate Reduction of Aromatic Nitro Compounds", *Synth. Commun.*, **33 (24)**, 4221-4227, 2003.

79. H. S. Prasad, Shankare Gowda and **D. Channe Gowda**, "Facile Transfer Hydrogenation of Azo Compounds to Hydrazo Compounds and Anilines by using Raney Nickel and Hydrazinium Monoformate", *Synth. Commun.*, **34 (1)**, 1-10, 2004.
80. G. R. Srinivasa, K. Abiraj and **D. Channe Gowda**, "Zinc-Catalyzed Hydrogenative Cleavage of Azo Compounds using Triethylammonium Formate", *Syn. React. Inorg. Met-Org Chem.*, **34 (2)**, 223-231, 2004.
81. G. R. Srinivasa, K. Abiraj and **D. Channe Gowda**, "Hydrogenative Cleavage of Azo Compounds Catalyzed by Commercial Zinc Dust using Ammonium Acetate", *Indian J. Chem. Sect. B.*, **43B**, 192-195, 2004.
82. K. Abiraj and **D. Channe Gowda**, "Magnesium-Catalyzed Selective and Proficient Reduction of Oximes to Amines using Ammonium Formate" *Synth. Commun.*, **34 (4)**, 599-605, 2004.
83. K. Abiraj, G. R. Srinivasa and **D. Channe Gowda**, "Facile Synthesis of Symmetrical Functionalized Biaryls from Aryl Halides using Zinc and Ammonium Formate", *Tetrahedron Lett.*, **45**, 2081-2084, 2004.
84. M. N. Kumara, **D. Channe Gowda**, A. Thimme Gowda and K.S. Rangappa "Anodically Generated Manganese(III) Sulfate for the Oxidation of Dipeptides in Aqueous Sulfuric Acid Medium: A Kinetic Study", *Journal of Chemical Sciences*, **116(1)**, 49-53, 2004.
85. M. B. Sridhara, G. R. Srinivasa and **D. Channe Gowda**, "Reductive Cleavage of Azo Compounds by Zinc and Ammonium Chloride", *Synth. Commun.*, **34 (8)**, 1441-1446, 2004.
86. K. Abiraj, G. R. Srinivasa and **D. Channe Gowda**, "Novel and Efficient Synthesis of Symmetrical Functionalized Biaryls using Zinc and Triethylammonium Formate", *Synlett*, 877-879, 2004.
87. G. R. Srinivasa, S. N. Narendra Babu, C. Lakshmi and **D. Channe Gowda**, "Conventional and Microwave Assisted Hydrogenolysis using Zinc and Ammonium Formate", *Synth. Commun.*, **34 (10)**, 1831-1837, 2004.
88. G. R. Srinivasa, K. Abiraj and **D. Channe Gowda**, "Facile Synthesis of Azo Compounds from Aromatic Nitro Compounds using Magnesium and Triethylammonium formate", *Aust. J. Chem.*, **57**, 609-610, 2004.
89. S. N. Narendra Babu, G. R. Srinivasa, D. C. Santhosh and **D. Channe Gowda**, "The Hydrogenolysis of N-Benzyl Groups with Magnesium and Ammonium Formate" *J. Chem. Res. (S)*, 66-67, 2004.

90. M. B. Sridhara, G. R. Srinivasa and **D. Channe Gowda**, "Ammonium Chloride Mediated Reduction of Azo Compounds to Hydrazo Compounds", *J. Chem. Res. (S)*, 74-75, 2004.
91. B. H. Doreswamy, M. Mahendra, K. Abiraj, **D. Channe Gowda**, S. M. Anandalwar and J. Shashidhara Prasad, "Crystal Structure of Fragments of Elastin Sequence [Boc-Ala-Pro-OBzl]" *Anal. Sci.* **20**, x25-x26, 2004.
92. B. H. Doreswamy, M. Mahendra, K. Abiraj, **D. Channe Gowda**, S. M. Anandalwar and J. Shashidhara Prasad, "Crystal Structure of Fragments of Elastin Sequence [Boc-Val-Pro-OBzl]" *Anal. Sci.*, **20**, x53-x54, 2004.
93. B. H. Doreswamy, M. Mahendra, S. N. Narendra Babu, **D. Channe Gowda**, S. M. Anandalwar and J. Shashidhara Prasad, "Crystal Structure of the *t*-Butyloxycarbonyl Leucine-Dicyclohexylcarbodiimide Adduct", *Anal. Sci.*, **20**, x107-x108, 2004.
94. K. Abiraj, M. K. Sachidananda, A. S. Prakasha Gowda and **D. Channe Gowda**, "Selective Antifungal Activity of Shorter Active Analogs of Bactenecin7 against *Fusarium Moniliforme*", *Indian J. Chem. Sec B.*, **43B**, 649-654, 2004.
95. K. Abiraj, H. S. Prasad, A. S. Prakasha Gowda and **D. Channe Gowda**, "Design, Synthesis and Antibacterial Activity Studies of Model Peptides of Proline/Arginine Rich Region in Bactenecin7", *Protein Peptide Lett.*, **11 (4)**, 291-300, 2004.
96. H. S. Prasad, G. R. Srinivasa, K. Abiraj and **D. Channe Gowda**, "Hydrazinium Monoformate Mediated Facile Preparation of Amines from Azides Catalyzed by Zinc", *Indian J. Chem. Sect. B.*, **43B**, 1787-1789, 2004.
97. K. Abiraj, G. R. Srinivasa and **D. Channe Gowda**, "Transfer Hydrogenation of Aromatic Nitro Compounds using Polymer-Supported Formate and Pd-C", *Synth. Commun.* **35**, 229-236, 2005.
98. G. R. Srinivasa, K. Abiraj and **D. Channe Gowda**, "Clean and Efficient Hydrogenative Cleavage of Azo Compounds using Polymer-Supported Formate and Zinc", *Synth. Commun.*, **35**, 1161-1166, 2005.
99. H. S. Prasad, G. R. Srinivasa and **D. Channe Gowda**, "A Convenient, Cost-Effective and Mild Method for the *N*-Acetylation of Anilines and Secondary Amines", *Synth Commun.*, **35**, 1187-1196, 2005.
100. G. R. Srinivasa, K. Abiraj and **D. Channe Gowda**, "Polymer-Supported Formate and Magnesium: an Efficient Transfer Hydrogenation System for the Facile Reduction of Azo Compounds", *J. Chem. Res. (S)*, 123-125, 2005.

101. K. Abiraj, G. R. Srinivasa and **D. Channe Gowda**, "Simple and Efficient Reduction of Aromatic Nitro Compounds using Recyclable Polymer-Supported Formate and Magnesium", *Aust. J. Chem.*, **58**, 149-151, 2005.
102. K. Abiraj, G. R. Srinivasa and **D. Channe Gowda**, "Palladium-Catalyzed Simple and Efficient Hydrogenative Cleavage of Azo Compounds using Recyclable Polymer-Supported Formate", *Can. J. Chem.*, **83**, 517-520, 2005.
103. K. Abiraj, G. R. Srinivasa and **D. Channe Gowda**, "Novel and Efficient Transfer Hydrogenolysis of Protected Peptides using Recyclable Polymer-Supported Hydrogen Donor", *Int. J. Pep. Res Thera.*, **11**, 153-157, 2005.
104. A. Ramesha Baba, **D. Channe Gowda** and K. Udaya Sankar, "Synthesis and Solid State Properties of Protein-based Polymers as Biomaterials", *Indian J. Chem. Sec. B.*, **44B**, 1487-1493, 2005.
105. A. Ramesha Baba, **D. Channe Gowda** and K. Udaya Sankar, "Elastic Protein-based Polymers a Step towards Plasticity: Thermal Stability of Glu Containing Co-polypeptides as Analyzed by Differential Scanning Calorimetry", *Int. J. Pep. Res Thera.*, **11**, 185-193, 2005.
106. B. H. Doreswamy, M. Mahendra, K. Abiraj, M. A. Sridhar, J. Shashidhara Prasad and **D. Channe Gowda**, "Synthesis and Crystal Structure of Tripeptide Fragments of Elastin", *Journal of Chemical Crystallography*, **35(10)**, 829-833, 2005.
107. G. R. Srinivasa, K. Abiraj, A. Ramesha Baba and **D. Channe Gowda**, "Mn(III) Oxidation of Peptides: A Mechanistic Investigation of Kinetic Variations in Hydrophobic-Induced Oxidation of Tertapeptides of Elastin Sequences", *Int. J. Chem. Kinet.*, **38**, 115-123, 2006.
108. N. S. Linge Gowda, M. N. Kumara, **D. Channe Gowda** and K. S. Rangappa, "N-Bromosuccinimide Oxidation of Dipeptides and their Amino Acids: Synthesis, Kinetics and Mechanistic Studies", *Int. J. Chem. Kinet.* **38**, 376-385, 2006.
109. G. R. Srinivasa, K. Abiraj and **D. Channe Gowda**, "Polymer-Supported Formate and Zinc: A Novel System for the Transfer Hydrogenation of Aromatic Nitro Compounds", *Indian J. Chem. Sec. B.*, **45B**, 297-301, 2006.
110. K. Abiraj, A. Ramesha Baba, G. R. Srinivasa and **D. Channe Gowda**, "Mn(III) Oxidation of Peptide Polymers of Elastin Sequences: Synthesis, Kinetics and Mechanistic Study", *J. Phy. Org. Chem.*, **19**, 68-74, 2006.

111. M. B Sridhara, G. R Srinivasa and **D. Channe Gowda**, "Facile Water Mediated Chemo-Selective Synthesis of Anilines from Nitroarenes using Triethylammonium Formate", *Indian J. Chem. Sec. B.*, **B. 45**, 1304-1307, 2006.
112. H. R. Girisha, G. R. Srinivasa and **D. Channe Gowda**, "A Simple and Environmentally Friendly Method for the Synthesis of N-Phenylanthranilic Acid Derivatives", *J. Chem. Res. (S)*, 342-344, 2006.
113. B. Dinesh, K. Abiraj, G. R. Srinivasa and **D. Channe Gowda**, "Tin-mediated Reduction of Azoarenes to Hydrazoarenes using Hydrazine Hydrate", *J. Chem. Res. (S)*, 422-423, 2006.
114. K. Abiraj, B. Dinesh, G. R. Srinivasa and **D. Channe Gowda**, "Catalytic Transfer Hydrogenation of Imines to Secondary Amines using Inexpensive Commercial Zinc dust and Ammonium Formate", *J. Chem. Res. (S)*, 534-535, 2006.
115. S. Naveen, K. Anil Kumar, **D. Channe Gowda**, M. A. Sridhar and J. Shashidhara Prasad, "N-(2-Nitrobenzylidene)aniline", *Acta. Cryst. E62*, 03790-03791, 2006.
116. K. C. Prakasha, M. Sindhumol, A. Ramesha Baba and **D. Channe Gowda**, "Simple and Efficient Reduction of Azides to Amines using Recyclable Polymer Supported Formate and Zinc", *J. Chem. Res. (S)*, 284-286, 2007.
117. N. S. Linge Gowda, M. N. Kumara, **D. Channe Gowda**, K. S. Rangappa and N. M. Made Gowda, "N-Bromosuccinimide Assisted Oxidation of Hydrophobic Tetrapeptide Sequences of Elastin: A Mechanistic Study", *J. Mol. Cata. A: Chem.*, **269**, 225-233, 2007.
118. S. Naveen, B. Dinesh, K. Abiraj, **D. Channe Gowda**, M. A. Sridhar and J. Shashidhara Prasad, "Synthesis and Crystal Structure of Ter-butyl 2-((phenylthio)-carbonyl)pyrrolidine-1-carboxylate", *J. Chem. Crystallogr.*, **37 (11)**, 721-725, 2007.
119. R. S. Policegoudra, K. Abiraj, **D. Channe Gowda** and S. M. Aradhya, "Isolation and Characterization of Antioxidant and Antibacterial Compound from Mango Ginger (*Curcuma amada* Roxb.) Rhizome", *J. Chromatogr. B.*, **852**, 42-48, 2007.
120. C. R. Gnanendra, H. Vijay Kumar, K. C. Prakash, **D. Channe Gowda** and Nagaraja Naik, "Synthesis and Biological Screening of 3-Chloropropanoyl Derivatives of 2,6-diphenylpiperidin-4-ones", *mySCIENCE*, **II(2)**, 63-71, 2007.
121. L. R. Sukanya, A. Ramesha Baba, Rangaswamy and **D. Channe Gowda**, "A Comparative Study of Quinolinium Dichromate Oxidation with Hydrophobic Dependence Amino Acids. A Kinetic and Mechanistic Approach", *Transition Met. Chem.*, **32**, 407-410, 2007.

122. K. Anil Kumar, K. S. Shruthi, Nagaraja Naik and **D. Channe Gowda** "Chemoselective Hydrogenation of Aromatic Nitro Compounds using Diammonium Hydrogen Phosphite and Commercial Zinc Dust", *E-Journal of Chemistry*, **5(4)**, 904-913, 2008.
123. Bhima Reddy Dinesh, A. Ramesha Baba, K. Udaya Sankar and **D. Channe Gowda**, "Synthesis of Indolones and Quinolones by Reductive Cyclisation of *o*-Nitroaryl Acids using Zinc Dust and Ammonium Formate", *J. Chem. Res.*, **5(2)**, 287-288, 2008.
124. H. Vijay Kumar, C. R. Gnanendra, Nagaraja Naik and **D. Channe Gowda**, "Synthesis of Amino Acid Analogues of 10-methoxy-dibenz[b,f]azepine and Evaluation of their Radical Scavenging Activity", *E-Journal of Chemistry*, **5**, 1523-1532, 2008.
125. H. Vijay Kumar, C. R. Gnanendra, Nagaraja Naik and **D. Channe Gowda**, "*In vitro* Antioxidant Activity of Dibenz[d,f]azepine and its Analogues", *E-Journal of Chemistry*, **5**, **S2**, 1123-1132, 2008.
126. K. Anil Kumar, T. S. Sreelekha, K. N. Shivakumara, K. C. Prakasha, and **D. Channe Gowda**, "Zinc-Catalyzed Reduction of Imines by Triethylsilane", *Synth. Comm.*, **39**, 1332–1341, 2009.
127. G. P. Suresha, K. C. Prakasha, K. N. Shiva Kumara, Wethroe Kapfo and **D. Channe Gowda**, "Design and Synthesis of Heterocyclic Conjugated Peptides as Novel Antimicrobial Agents", *Int. J. Pep. Res. Thera.*, **15**, 25-30, 2009.
128. K. N. Shivakumara, K. C. Prakasha, G. P. Suresh, R. Suhas and **D. Channe Gowda**, "Synthesis and Antimicrobial Study of Amino Acids Conjugated Benzylpiperazine Derivatives" *mySCIENCE*, **II (2)**, 99-105, 2007.
129. C. R. Gnanendra, K. C. Prakasha, **D. Channe Gowda** and Nagaraja Naik, "Synthesis and Biological Evaluation of Amino Acids Conjugated through *N*-propanoyl 2,6-bis-(4-methoxyphenyl)piperidin-4-one", *mySCIENCE*, **IV(1-2)**, 2009.
130. K. N. Shivakumara, K. C. Prakasha, and **D. Channe Gowda**, "Synthesis and Antimicrobial Activity of Amino Acids Conjugated Diphenylmethylpiperazine Derivatives", *E-Journal of Chemistry*, **6(S₁)** 473- 479, 2009.
131. 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*, **III(1-2)**, 33-38, 2009.
132. **D. Channe Gowda**, D. Lalitha, K. Anil Kumar, K. C. Prakasha and Shankare Gowda, "A Chemoselective and Cost-Effective Protocol for the Reduction of Azides to Amines using Ammonium Formate and Magnesium", *mySCIENCE*, **IV(1-2)**, 66-71, 2009.

133. G. P. Suresha, K. C. Prakasha, Wethroe Kapfo and **D. Channe Gowda**, "Synthesis and Antimicrobial Activity of Quinazolinone Conjugated Peptides", *E-Journal of Chemistry*, **7(2)**, 449- 456, 2010.
134. K. Anil Kumar and **D. Channe Gowda**, "Reduction of Aldehydes and Ketones to Corresponding Alcohols using Diammonium hydrogen Phosphite and Commercial Zinc dust", *E-Journal of Chemistry*, **8(1)**, 49-52, 2010.
135. B. N. Lakshminarayana , C. R. Gnanendra, T. N. Mahadeva Prasad, M. A. Sridhar, Nagaraj Naik, **D. Channe Gowda** and J. Shashidhar Prasad, "Structural Conformation of a Novel Piperidine-4-One Derivative: 1-Acryloyl-3-Methyl-2,6-Dip-Tolylpiperidine-4-One" *Journal Chemical Crystallography*, 2010.
136. H. R. Dinesh, Manjunath, S. Naveen, K. Abiraj, A Ramesha Baba, **D. Channe Gowda** and J. Shashidhar Prasad, "Synthesis and Crystal Structure of S-Ethyl-2(tert-butoxycabonylamino)-4-methyl-pentanethioate", *Molecular Crystals and Liquid Crystals*, **517**, 161-166, 2010.
137. 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", *Eur. J. Med. Chem.*, **46(2)**, 704-711, 2011.
138. 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", *Eur. J. Med. Chem.*, **46(6)**, 2530-2540, 2011.
139. K. C. Prakasha, G. M. Raghavendra, R. Harisha and **D. Channe Gowda**, "Design, Synthesis and Antimicrobial Screening of Amino Acids Conjugated 2-Amino-4-arylthiazole Derivatives", *Int. J. Pharm. Pharm. Sci.*, **3(3)**, 120-125, 2011.
140. K. C. Prakasha and **D. Channe Gowda**, "Synthesis of 5-Arylidine-2-(3, 4, 5-trimethoxyphenyl)-3-(4-phenylthiazol-2-yl)thiazolidin-4-one Derivatives as a Novel Class of Antimicrobial Agents", *Int. J. Chem. Res.*, **2(3)**, 10-14, 2011.
141. 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", *Int. J. Chem. Res.*, **2(3)**, 49-52, 2011.
142. N. Mallesha, S. Prahallada Rao, R. Suhas and **D. Channe Gowda**, "A Green Method for Selective Acetylation of Primary Alcohols using Ethyl Acetate and Solid Potassium Carbonate", *J. Chem. Res. (S)*, 536-539, 2011.

143. N. Mallesha, R. Suhas, S. Prahallada rao and **D. Channe Gowda**, "A Simple and Convenient Protocol for the Selective Mono Debenzylation of Dibenzylamines using 10% Pd/C and HCOONH₄" *Int. J. Chem. Res.*, **2(4)**, 26-28, 2011.
144. R. Suhas, S. Chandrashekar and **D. Channe Gowda**, "A New Family of Highly Potent Inhibitors of Microbes: Synthesis and Conjugation of Elastin Based Peptides to Piperazine Derivative", *Int. J. Pep. Res. Thera.*, **18**, 89-98, 2012,
145. N. Mallesha, S. Prahallada 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 Lett.*, **53**, 641-645, 2011.

(Most downloaded Tetrahedron Letters article)

146. R. Suhas, S. Chandrashekar and **D. Channe Gowda**, "Synthesis of uriedo and thiouriedo derivatives of peptide conjugated heterocycles - A new class of promising antimicrobials", *Eur. J. Med. Chem.*, **48**, 179-191, 2012.
147. 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", *Chem. Biol. Drug Des.*, **79**, 850-862, 2012.
148. R. Suhas, R. P. L. Kumar, A. R. Baba, **D. C. Gowda** and N. M. M. Gowda, "Kinetic and Mechanistic Study of Oxidation of Protein-based Elastin Polymer with its Constituent Amino Acids and Peptides", *Am. J. Chem.*, 2012, DOI: 10.5923/j.chemistry.

12. Conference/ Seminar organized:

Sl. No.	Status as Organizer	Title of the conference/ seminar	Date
01	Member, Organizing Committee	"National Symposium on Emerging Areas in Chemistry" University of Mysore, Mysore.	2009
02	Convener	"National Symposium on Bioorganic and Medicinal Chemistry", University of Mysore, Mysore.	2005

03	Joint Secretary	"Indian Council of Chemists- 12 th Conference", University of Mysore, Mysore.	2001
04	Member, Organizing Committee	National Conference Under the Auspices of Sir M. Visveswaraiah Chair on "Recent Trends in Structure, Functions, Analysis of Molecules and Applications", University of Mysore, Mysore.	1999
05	Member, Organizing Committee	"The third National Symposium on Students' Project on Correlation Analysis in Chemistry", University of Mysore, Mysore.	1998

13. Conference/ Seminar chaired:

Sl. No.	Title of the conference/ seminar	Organized by	Date
01	"Indian Council of Chemists- 23 rd Conference"	K. C. College, Mumbai	2004
02	"National Symposium on Bioorganic and Medicinal Chemistry"	University of Mysore, Mysore.	2005
03	"National Symposium on Emerging Areas in Chemistry"	University of Mysore, Mysore.	2009

14. Conference/ Seminar participated:

1. A. Nicol, **D.C. Gowda**, K.U. Prasad and D. W. Urry, "Promotion of Cell Adhesion to Elastomeric Polypeptide Matrices by the Covalent Incorporation of Cell Attachment Sequences," Human Heart Institute International, Cardiovascular Science and Technology: Basic and Applied, II, Louisville, KY, Nov. 30 - Dec. 2, 1990.
2. D. W. Urry, C. H. Luan, T.M. Parker, **D.C. Gowda**, K.U. Prasad, M.C. Reid and A. Safavy, "Temperature of Polypeptide Inverse Temperature Transition Depends on Mean Residue Hydrophobicity," J. Am. Chem. Soc., Jan., 16, 1991.
3. A. Nicol. **D.C. Gowda** and D.W. Urry, "Cell Adhesion and Growth on Elastomeric Polypeptide Matrices, A New Class of Potential Prosthetic Material," Cardiovascular Science and Technology Conference, Bethesda, Maryland, Dec. 2-4,1991.
4. D.W. Urry, T.M. Parker, D.S. Minehan, A. Nicol, A. Pattanaik, S. Peng, C. Morrow, D.T. McPherson and **D.C. Gowda**, "The Capacity to Vary the Bioactive Role of Elastic Protein-Based Polymers," American Chemical Society, Polymeric Mtrls: Sci. and Engr. and the

Biotechnology Secretariat, "Biotechnology & Bioactive Polymers," Symposium, PMSE Div., San Francisco, CA, April 5-10, 1992.

5. D.W. Urry, **D.C. Gowda**, C.M. Harris, R.D. Harris and B.A. Cox, "Development of Bioelastic Materials as Biocompatible, Transducible and Degradable Drug Delivery Matrices," PMSE "Biotechnology & Bioactive Polymers," Symposium, American Chemical Society, San Francisco, CA, April 5-10, 1992.
6. D.W. Urry, **D.C. Gowda**, B.A. Cox, L.D. Hoban, A. McKee and T. Williams, "Properties and the Prevention of Adhesions Application of Bioelastic Materials," Materials Research Society, Boston, Massachusetts. Nov 30-Dec. 4, 1992.
7. D.W. Urry, **D. C. Gowda**, C.M. Harris, R.D. Harris and B.A. Cox, "Development of Bioelastic Materials as Biocompatible, Transducible and Degradable Drug Delivery Matrices," 204th ACS National Meeting, Washington, D.C., August 23-28, 1992.
8. D.W. Urry, **D. C. Gowda**, B.A. Cox, L.D. Hoban, A. McKee and T. Williams, "Properties and the Prevention of Adhesions Application of Bioelastic Materials," Materials Research Society, Boston, Massachusetts, Nov, 30-Dec.4, 1992, Lay Abstract for New Media.
9. D.W. Urry, A. Nicol, L.D. Hoban, T. Williams, A. McKee, D.B. Olsen, **D. C. Gowda** and B.A. Cox, "Synthetic Bioelastic Materials: Varying Applications by Changing the Surface Bioactivity," Cardiovascular Science and Technology Conference, (Contractors' Conference), Bethesda, Maryland, Dec. 12-14,1992.
10. **D.C. Gowda**, T.M. Parkr, S.Q. Peng, R.D. Harris and D.W. Urry, "Design and Synthesis of Polytricosapeptides to Enhance Hydrophobicity - induced pKa Shifts," Am. Pept. Symp., Edmonton, Alberta, Canada, June 20-25,1993.
11. D.W. Urry **D. C. Gowda**, C.M. Harris and R.D. Harris, "Use of Biomimetic Mechanism in Controlled Release" Controlled Release Society, Inc., Washington, D.C., July 25-29, 1993.
12. **D. C. Gowda** and D.W. Urry, "Development of Bioelastic Materials as Potential Matrices for Tissue Reconstruction," Biotechnology Applications of biomaterials Workshop, (Co-hosted by the Food and Drug Administration and the Society for Biomaterials), Birmingham, Alabama, April 28, 1993.
13. C.H. Laun, **D.C. Gowda**, T.M. Parker and D.W. Urry, "Study of Inverse Temperature Transition of Elastic and Plastic Protein-Based Polymers by Differential Scanning Calorimetry," 50th Calorimetry Conference, NIST, Gaithersburg, Maryland, July 23-28, 1995.
14. B. Rajesh, Shankare Gowda and **D. Channe Gowda**, "Ammonium formate catalytic transfer hydrogenation: a convenient method for the removal of halogenated benzyloxy carbonyl and

benzyl protecting groups in peptide synthesis", 16th conference of Indian Council of Chemists, Mangalore University, India, Dec 29-31, 1997.

15. M.N. Kumara, **D. Channe Gowda**, N.M. Made Gowda and K.S. Rangappa, "Synthesis and Mechanistic studies of oxidation of two dipeptides by Mn(III): A kinetic study, 2nd National symposium on students projects on correlation analysis in Chemistry, Mysore University, India, Sept, 21-22 (OP34) 1998.
16. **D. Channe Gowda** and A. Ramesha Baba, " Effective use of EDCI in the polymerization of Elastic/plastic protein based polymers", 2nd National symposium on students projects on correlation analysis in Chemistry, Mysore University, India, Sept, 21-22 (OP18) 1998.
17. Shankare Gowda and **D. Channe Gowda**, "Selective reduction of Aromatic Nitrocompounds in presence of 10% palladium on carbon", 2nd National symposium on students projects on correlation analysis in Chemistry, Mysore University, India, Sept, 21-22 (OP32) 1998.
18. **D. Channe Gowda**, "Synthesis of Glutamic acid containing Elastic protein-based polymer with different side chain protection", 17th conference of Indian Council of Chemists, University of Madras, India, Nov. 26-28, 1998.
19. Shankare Gowda, B. Rajesh and **D. Channe Gowda**, Reduction of "Aromatic nitrocompounds in presence of other functional moieties", 17th conference of Indian Council of Chemists, University of Madras, India, Nov. 26-28, 1998.
20. **D. Channe Gowda** and A. Ramesha Baba, "EDCI/HOBt activation in Elastic protein - Based polymer synthesis" 17th conference of Indian Council of Chemists, University of Madras, India, Nov. 26-28, 1998.
21. B. Mahesh and **D. Channe Gowda**, "Catalytic transfer Hydrogenation of Aromatic nitrocompounds by employing ammonium formate and 5% platinum on carbon 17th conference of Indian Council of Chemists, University of Madras, India, Nov. 26-28, 1998.
22. M.N. Kumara, **D. Channe Gowda** and K.S. Rangappa, "Mechanistic studies of some dipeptides by Mn(III): A Kinetic study", 17th conference of Indian Council of Chemists, University of Madras, India, Nov. 26-28, 1998.
23. M.N. Kumara, **D. Channe Gowda**, N.M. Made Gowda¹ and K. S. Rangappa, "Synthesis and Mechanistic studies of oxidation of two dipeptides by Mn(III) : A Kinetic study". The third national symposium on students project on correlation analysis in chemistry, Sept. 21-22, 1998.
24. B. Mahesh and **D. Channe Gowda**, " Zinc catalyzed ammonium formate reduction: A mild reagent for efficient reduction of carbonyl compounds to alcohol", National conference under

the auspices of sir M. Visveswaraiiah chair on "Recent trends in structure, function analysis of molecules and applications, Oct. 28-30, 1999.

25. M. N. Kumara, **D. Channe Gowda** and K. S. Rangappa, " Synthesis and kinetics of oxidation of VP and AP with anodically generated manganese (III) sulphate: Mechanistic study, National conference under the auspices of sir M. Visveswaraiiah chair on " Recent trends in structure, function analysis of molecules and applications, Oct. 28-30, 1999.
26. A. S. Prakasha Gowda and **D. Channe Gowda**, " Synthesis and antimicrobial studies of analogues of Bactenecin7", 19th conference of Indian council of chemists, Kuvempu University, Shimoga, India, (OO5), Nov. 27-29, 2000.
27. A. Ramesha Baba, K. Udayasankar and **D. Channe Gowda**, " Plastic protein based polymers: The macromolecules – Synthesis and thermal characterization", 19th conference of Indian council of chemists, Kuvempu University, Shimoga, India, (OO36), Nov. 27-29, 2000.
28. **D. Channe Gowda** and A. S. Prakasha Gowda, " Removal of some commonly used protecting groups from peptides by catalytic transfer hydrogenation with formic acid and 10% palladium on carbon", 19th conference of Indian council of chemists, Kuvempu University, Shimoga, India, (OP46), Nov. 27-29, 2000.
29. B. K. Kempe Gowda and **D. Channe Gowda**, "Oxidation of gly-val-gly, gly-phe-gly and ala-val-gly with Mn(III): synthesis, characterization and mechanistic study", 19th conference of Indian council of chemists, Kuvempu University, Shimoga, India, (PO24), Nov. 27-29, 2000.
30. Shankare Gowda, B. K. Kempe Gowda and **D. Channe Gowda**, "Hydrazinium monoformate. A new hydrogen donor, selective reduction of nitro compounds catalyzed by commercial zinc dust," 20th conference of Indian Council of Chemists, University of Mysore, Mysore, India, Dec 22- 24, 2001.
31. A. Ramesha Baba and **D. Channe Gowda**, "Utilization of 1-Ethyl, 3-(N, N-dimethyl)aminopropylcarbodiimide (EDCI)/ 1-Hydroxybenzotriazole (HOBt) as a polymerizing agent," 20th conference of Indian Council of Chemists, University of Mysore, Mysore, India, Dec 22-24, 2001.
32. B. K. Kempe Gowda, K. S. Rangappa and **D. Channe Gowda**, "Sequence dependence of oxidation of some repeating penta peptide sequences of elastin with electrolytically generated mn(iii): synthesis, kinetics and mechanistic study," 20th conference of Indian Council of Chemists, University of Mysore, Mysore, India, Dec 22-24, 2001.

33. **D. Channe Gowda** and B. Mahesh, "New hydrogen donor: A facile method for removal of hydrogenolysable protecting groups in peptide synthesis," 20th conference of Indian Council of Chemists, University of Mysore, Mysore, India, Dec 22-24, 2001.
34. H. S. Prasad and **D. Channe Gowda**, "Synthesis and antimicrobial studies of analogues of Bactenecin7," 20th conference of Indian Council of Chemists, University of Mysore, Mysore, India, Dec 22-24, 2001.
35. K. Abiraj, A. Ramesha Baba and **D. Channe Gowda**, "Magnesium/hydrazinium monoformate: A new hydrogenation system in solid- phase peptide synthesis," 20th conference of Indian Council of Chemists, University of Mysore, Mysore, India, Dec 22-24, 2001.
36. M. N. Kumara, **D. Channe Gowda**, N. M. Made Gowda and K. S. Rangappa, " Anodically generated manganese(III) sulphate for the oxidation of dipeptides in aqueous sulphuric acid medium: A kinetic study" 20th conference of Indian Council of Chemists, University of Mysore, Mysore, India, Dec 22-24, 2001.
37. K. Abiraj and **D. Channe Gowda**, "Magnesium or zinc catalyzed cost-effective and selective reduction of oximes to amines using ammonium formate" 21st conference of Indian Council of Chemists, University of Jabalpur, Jabalpur, India, Oct 24-26, 2002.
38. **D. Channe Gowda**, "Magnesium/hydrazinium monoformate: A new hydrogenation method for removal of some commonly used protecting groups in peptide synthesis" 21st conference of Indian Council of Chemists, University of Jabalpur, Jabalpur, India, Oct 24-26, 2002.
39. K. Abiraj, S. N. Narendra Babu and **D. Channe Gowda**, "Design, synthesis and antimicrobial activity studies of shorter active analogues of bactenecin7" 22nd Conference of Indian Council of Chemists, Indian Institute of Technology, Roorkee, India, Oct 17-19, 2003.
40. G. R. Srinivasa, K. Abiraj and **D. Channe Gowda**, "The synthesis of azo compounds from nitro compounds using lead and triethylammonium foramte" 22nd Conference of Indian Council of Chemists, Indian Institute of Technology, Roorkee, India, Oct 17-19, 2003.
41. S. N. Narendra Babu, G. R. Srinivasa, K. Abiraj and **D. Channe Gowda**, "Zinc/ammonium formate: A simple chemo-selective and cost-effective protocol for the reduction of azide to amines" 22nd Conference of Indian Council of Chemists, Indian Institute of Technology, Roorkee, India, Oct 17-19, 2003.
42. M. B. Sridhara, G. R. Srinivasa, K. Abiraj and **D. Channe Gowda**, "A simple facile hydrogenation and hydrogenolysis of azo compounds catalyzed by magnesium and commercial zinc dust in presence of ammonium chloride" 22nd Conference of Indian Council of Chemists, Indian Institute of Technology, Roorkee, India, Oct 17-19, 2003.

43. K. Abiraj and D. Channe Gowda, "Synthesis of Shorter Active Analogues of Bactenecin7: The Effect of Change of N-terminal Configuration on Antimicrobial Activity" 5th International Food Convention, Central Food Technological Research Institute, Mysore, India, Dec 5-8, 2003.
44. M. B. Sridhara and **D. Channe Gowda**, "Water Mediated Chemo-Selective Synthesis of Anilines from Nitroarenes" 23rd Conference of Indian Council of Chemists, K. C. College, Mumbai, India, Nov. 2004.
45. H. S. Prasad, G. R. Srinivasa and **D. Channe Gowda**, "Convenient, Cost-Effective and Mild Method for the *N*-acetylation of Anilines and Secondary Amines" 23rd Conference of Indian Council of Chemists, K. C. College, Mumbai, India, Nov. 2004.
46. K. Abiraj, G. R. Srinivasa and **D. Channe Gowda**, "Polymer-supported Formate: A Recyclable Hydrogen Donor for the Clean and Efficient Catalytic Transfer Hydrogenation" 23rd Conference of Indian Council of Chemists, K. C. College, Mumbai, India, Nov. 2004.
47. S. N. Narendra Babu and **D. Channe Gowda**, "Structure-Based Drug Design and Synthesis of HIV-1 Protease Inhibitors: Some Peptides and Peptide aldehydes as Lead Therapeutics Towards the Design of Potent Peptidomimetics" 23rd Conference of Indian Council of Chemists, K. C. College, Mumbai, India, Nov. 2004.
48. A. Ramesha Baba and **D. Channe Gowda**, "Hydrophobicity profile of leucine and isoleucine containing co-polypeptides of water soluble protein-based polymers of elastin", International Conference on Water & Health (WAH'05), January 22nd & 23rd 2005, S.J.College of Engineering, Mysore, India.
49. S. N. Narendra Babu, **D. Channe Gowda**, "Reinvestigation for the Antimicrobial Peptide Fragments of Ovine Bactenecin 5: Their Synthesis, Structure and Structure Activity Relationship" National Symposium on Bioorganic and Medicinal Chemistry 2005, October 5th – 7th 2005, University of Mysore, Mysore, India.
50. Srinivasa G. R., Abiraj K., Ramesha Baba A., **D. Channe Gowda**, "Synthesis and Anti-microbial Studies of Some Substituted 2-Amino 4-Phenyl Thiazole Derivatives" National Symposium on Bioorganic and Medicinal Chemistry 2005, October 5th – 7th 2005, University of Mysore, Mysore, India.
51. Abiraj K., Srinivasa. G. R., Prasad H. S., **D. Channe Gowda**, "Design and Synthesis of Active Peptide Analogues of Bactenecin7: A Study on Effect of Chain Length and Hydrophobicity on Antimicrobial Activity" National Symposium on Bioorganic and Medicinal Chemistry 2005, October 5th – 7th 2005, University of Mysore, Mysore, India.

52. Sachidananda M. K., Srinavas G. R., Ramesha Baba A., **D. Channe Gowda**, "Synthesis and Antimicrobial Evaluation of Novel (E)-Methyl 2-(3,4,5-Trimethoxybenzylideneamino) Acetate Analogues" National Symposium on Bioorganic and Medicinal Chemistry 2005, October 5th – 7th 2005, University of Mysore, Mysore, India.
53. Sridhara M. B., Shankare Gowda, Srinivasa G. R., **D. Channe Gowda**, "Synthesis of Symmetrical Functionalized -N=N- Bond Formation Via Reductive Dimerization of Nitroarenes Using Ammonium Bromide" National Symposium on Bioorganic and Medicinal Chemistry 2005, October 5th – 7th 2005, University of Mysore, Mysore, India.
54. Girisha H. R., Shivakumara K. N., Anil Kumar K. V., **D. Channe Gowda**, "Design, Synthesis and Evaluation of Novel Benzhydrylpiperazine Derivatives for Their Antihistaminic (H₁) Activity" National Symposium on Bioorganic and Medicinal Chemistry 2005, October 5th – 7th 2005, University of Mysore, Mysore, India.
55. Dinesh B., Ramesha Baba A., **D. Channe Gowda**, "Oxidation of Protein-based Polymers: A Kinetic Study" National Symposium on Bioorganic and Medicinal Chemistry 2005, October 5th – 7th 2005, University of Mysore, Mysore, India
56. Prakasha K. C. and **D. Channe Gowda** "Design, Synthesis and Biological Evaluation of Amino Acid Conjugated 2-amino 4-arylthiazole derivatives" National Seminar on Recent Research trends in Synthetic Organic and Natural Products Chemistry", 2008, Sri Venkateshwara University, Tirupati, India
57. Shivakumar K. N. and **D. Channe Gowda** Synthesis and antimicrobial Evaluation of Novel(E)-methyl 2-(3,4,5-trimethoxy Benzylideneaminjo) Acetate Analogues" National Seminar on Recent Research trends in Synthetic Organic and Natural Products Chemistry", 2008, Sri Venkateshwara University, Tirupati, India
58. Synthesis of Oxindoles and Quinolinones from ortho-Nitroaryl acids using Zinc dust and Ammonium formate under Supercritical Carbon Dioxide" National Seminar on Recent Research trends in Synthetic Organic and Natural Products Chemistry", 2008, Sri Venkateshwara University, Tirupati, India
59. Prakasha K. C., Shivakumara K. N., Suhas R., Santhosh B. 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 June - 01st Aug 2009, University of Mysore, Mysore, India
60. Prakasha K. C., Suhas R., 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 Overiew", 10th October 2009, Government Science College, Hassan, India.

61. Prakasha K. C., Suhas R., 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.
62. 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
63. 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.
64. R. Suhas and **D. Channe Gowda**, "A New Family of Highly Potent Inhibitors of Microbes: Synthesis and Conjugation of Elastin Based Peptides to Piperazine Derivative", National Conference on Recent Trends in Chemistry, 16th and 17th September 2011, P.E.S. College of Science, Arts and Commerce, Mandya, Karnataka.
65. C. S. Shantharam and **D. Channe Gowda**, "Synthesis and Screening of Novel Urea/Thiourea Derivatives of Amino Acids Conjugated Benzisoxazole as Antiglycating Agents for the Treatment of Diabetes Milletus", National Conference on Recent Trends in Chemistry, 16th and 17th September 2011, P.E.S. College of Science, Arts and Commerce, Mandya, Karnataka.
66. D. M. Suyoga Vardhan and **D. Channe Gowda**, "Synthesis of Urea/Thiourea Derivatives of 2,3-Dichlorophenyl Piperazine Conjugated to Glycine – A New Series of Antiglycating Agents for the Treatment of Diabetes", National Conference on Recent Trends in Chemistry, 16th and 17th September 2011, P.E.S. College of Science, Arts and Commerce, Mandya, Karnataka.
67. N. Mallesha, R. Suhas, S. Prahlada Rao and **D. Channe Gowda**, "A Simple and Convenient Protocol for the Selective Monodebenzylation of Dibenzylamines using 10% Pd/C and HCOONH₄", National Conference on Recent Trends in Chemistry, 16th and 17th September 2011, P.E.S. College of Science, Arts and Commerce, Mandya, Karnataka.
68. M. B. Sridhara and **D. Channe Gowda**, "A Novel and Efficient Protocol for the Reduction of Azides to Amines using Recyclable Polymer Supported Formate and Magnesium", National Conference on Recent Trends in Chemistry, 16th and 17th September 2011, P.E.S. College of Science, Arts and Commerce, Mandya, Karnataka.
69. 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, 8-10th December 2011, Department of Studies in Chemistry, Mangalore University, Mangalore, Karnataka.

70. M. B. Sridhara and **D. Channe Gowda**, “Recyclable polymer supported formate (PSF) and tin: A novel reagent system for the reduction of azo compounds to hydrazo compounds”, International Conference on Synthetic and Structural Chemistry, 8-10th December 2011, Department of Studies in Chemistry, Mangalore University, Mangalore, Karnataka.
71. N. Mallesha, R. Suhas, S. Prahlada Rao and **D. Channe Gowda**, “A green method for selective acetylation of primary alcohols using ethyl acetate and solid potassium carbonate”, International Conference on Synthetic and Structural Chemistry, 8-10th December 2011, Department of Studies in Chemistry, Mangalore University, Mangalore, Karnataka.
72. C. S. Shantharam and **D. Channe Gowda**, “Inhibition study of protein glycation by novel urea/ thiourea derivatives of proline conjugated benzisoxazole analogue”, International Conference on Synthetic and Structural Chemistry, 8-10th December 2011, Department of Studies in Chemistry, Mangalore University, Mangalore, Karnataka.
73. D. M. Suyoga Vardhan and **D. Channe Gowda**, “Antidiabetic activity of some urea/thiourea derivatives of amino acid conjugated piperazine moiety”, International Conference on Synthetic and Structural Chemistry, 8-10th December 2011, Department of Studies in Chemistry, Mangalore University, Mangalore, Karnataka.

15. Chairman/ Member of Authority/ Committee etc:

Sl. No.	Chairman/ Member/ Secretary	Committee/ Authority	Year (From-To)
01	Chairman	Department of Studies in Chemistry, Mysore University	07/10-till date
02	Chairman	Board of Studies in Chemistry (PG/UG), Mysore University	10/10-10/11
03	Chairman (Ic)	Department of Studies in Chemistry, Mysore University	08/04-09/04 05/05-07/05
04	Chairman	Board of Examiners in Chemistry, Mysore University	2006-07
05	Chairman	Board of Examiners in Organic Chemistry, Mysore University	2009-10
06	Chairman	Board of Examiners in Organic Chemistry, Mysore University	2012-13
07	Chairman	Board of Examiners in 5-Year Integrated M.Sc. in Chemistry, Mysore University	2006-07

08	Chairman	Board of Examiners in Chemistry, Yuvaraja's College	2007-08
09	Chairman	Board of Examiners in 5-Year Integrated M.Sc. in Molecular Biology, Yuvaraja's College	2006-07
10	Coordinator	5-Year Integrated M.Sc. in Chemistry, Mysore University	2004-06
11	Elected Executive Member	Indian Council of Chemist, India	2004-07
12	Member	Board of Examiners in Chemistry, Mysore University	1998,2001, 2005
13	Member	Board of Examiners in Chemistry, Yuvaraja's College	2008-09
14	Member	Board of Examiners in Polymer Science, Mysore University	2004-05
15	Member	Board of Examiners in Chemistry, Kuvempu University	2007-08
16	Member	Board of Examiners in Chemistry, Bangalore University	2005-06
17	Member	Board of Examiners in Chemistry, Karnatak University	2002,04,06,07,08
18	Member	Board of Examiners in Applied Chemistry, Mangalore University	2006
19	Member	Board of Examiners in Organic Chemistry, Mangalore University	2008
20	Member	Board of Examiners in Chemistry, Gulbarga University	2005,07,08
21	Member	Board of Studies in Chemistry, Mysore University	1998-2004
22	Member	Board of Studies in Organic Chemistry, Mysore University	2007-10
23	Member	Board of Studies in Polymer Science, Mysore University	2009-12
24	Member	Board of Studies in Chemistry, Karnatak University	2005-08
25	Member	Board of Studies in Chemistry, Gulbarga University	2005-08
26	Member	Board of Examiners in Chemistry, University of Calicut, Kerala	2006
27	Member	Advisory Committee for M.Sc. degree in Organic Chemistry, Mysore University	2007-tilldate

28	Member	Board of Appointment, Kuvempu University	2008-tilldate
29	Member	Affiliation Committee, Mysore University	2006-tilldate
30	Coordinator	Refresher Course, Mysore University	2005
31	Member	Committee to prepare reports and documents to UGC XI plan	2007
32	Member and Coordinator	Advisory Committee for 5-year Integrated M.Sc. in Chemistry	2005-tilldate
33	Editor-in-Chief	mySCIENCE, Science Journal of University of Mysore	2009-tilldate
34	Member	mySCIENCE, Science Journal of University of Mysore	2006-09
35	Honorary Editorial Board Member	Research and Reports in Medicinal Chemistry	2011-till date
36	Member	Selection Committee for the Selection of Research Scholars to UGC Meritorious Scholarship, Kuvempu University.	2008
37	Member	Effective Implementation of Institution of Excellence Award	2008
38	Member	Faculty of Science and Technology, University of Mysore	1999-tilldate
39	Member	Selection Committee for the Selection of Research Scholars to UGC Meritorious Scholarship, Mangalore University	2008
40	Member	Board of Studies in Chemistry, JSS College (Autonomous), Ooty Road, Mysore (PG/UG)	2011-13
41	Member	Board of Examiners, JSS College (Autonomous), Ooty Road, Mysore	2011-13
42	Member	Board of Appointment, Karnatak University, Dharwad	2012
43	Member	Faculty of Science and Technology, Bangalore University, Bangalore	2011-13

16. Membership to Professional Organization/ Association:

Sl. No.	Name of the Organization/ Associations	Life member/ Ordinary member
01	National Academy of Sciences, India	Life Member
02	American Chemical Society	Member (1999-2000)
03	Science and Engineering Division of the American Chemical Society	Member (1999-2000)
04	Chemistry Division of American Chemical Society	Member (1999-2000)
05	Indian Council of Chemists (ICC)	Life member
06	Society of Polymer Science, India	Life Member
07	Indian Chemical Society	Life Member

17. Any Other Information:

--See Annexure 2--

Annexure 1

Ph.D.'s Guided: All are guided under University of Mysore, Mysore

Sl. No.	Name	Title of the Thesis	Year
01	A. S. Prakash Gowda	Synthesis and Structural Activity Studies on Antimicrobial Peptides	2001
02	Shankare Gowda	A Study on Catalytic Transfer Hydrogenation and its Applications to Organic Synthesis	2002
03	B. Mahesh	Facile Methods of Reduction by Catalytic Transfer Hydrogenation and their Applications to Organic Synthesis	2002
04	A. Ramesha Baba	Syntheses and Thermal Characterization of Protein Based Polymers	2002
05	B. K. Kempe Gowda	Electrically Generated Mn(II) for the Oxidation of some Peptides: Synthesis, Kinetics and Mechanistic Study	2002
06	H. S. Prasad	Synthesis and Structure-Activity Studies on Bactenecins	2005
07	K. Abiraj	Synthesis and Structure-Activity Studies of Cathelicidins Derived Antimicrobial Peptide Analogues	2005
08	G. R. Srinivas	Development of New Systems in Catalytic Transfer Hydrogenation and its Applications to Organic Synthesis	2005
09	M. B. Sridhara	Facile Methods of Reduction by Catalytic Transfer Hydrogenation and their Applications to Organic Synthesis	2006
10	L. P. Ravikumar	Synthesis, Kinetics and Mechanistic Evaluation of Oxidation of Peptides of Elastin Sequences	2007
11	B. Dinesh	Development of Novel Reagent Systems for the Reductive Functional Group Transformations in Organic Synthesis	2008
12	K. N. Shivakumara	Synthesis and Studies on Amino Acids and Peptides Conjugated Heterocyclic Compounds of Biological Importance	2010
13	K. Anil Kumar	Development of New Efficient and Selective Catalytic Transfer Hydrogenation Systems and their Application to Organic Synthesis	2010
14	G. P. Suresha	Design, Synthesis and Biological Evaluation of Amino Acid and Peptides Conjugated Quinoxaline Derivatives	2011
15	K. C. Prakasha	Design, Synthesis and Pharmacological Screening of New Peptidomimetic Analogues	2012
16	R. Suhas	Design, Synthesis and Characterization of Novel Amino Acids or Peptides Conjugated Heterocycles of Biological interest	2012

Annexure 2

Contribution to National/ International issues:

A Quick Outlook of the Research Work – A Bird's Eye View

Peptide synthesis is the platform for the research work. Peptides are the biologically active molecules which have low toxicity and ample bioavailability. In this perspective, several peptides related to Leutinizing Hormone Releasing Hormone (LHRH) and Enkaphlins have been synthesized by utilizing both Fmoc and Boc strategy on solid phase. In continuation of this, post-doctoral studies was taken at Alabama University, USA and extensively worked on solution phase peptide synthesis. We have established the hydrophobicity scale of amino acids by synthesizing more than 200 co-polymers. Further polytricosapeptides have been synthesized to study the pKa induced shifts. The elastin-based peptides synthesized have found numerous applications in both medical and non-medical fields.

The development of selective, mild, rapid and effective reduction of various functionalities is still an area of considerable synthetic interest. Numerous new reagents have been developed for the aforesaid employing costly metals like Pt, Pd etc. and also harsh reaction conditions. The Catalytic Transfer Hydrogenation (CTH) has demonstrated great potential value in organic and biological chemistry. **This technique has been utilized by us employing mild reaction conditions and cheaper metals viz., Zn, Mg, Pb, Sn etc., which brings down the cost nearly 100 times.** This is practically highly useful industrially for bulk manufacture as well as for small scale purposes. The CTH also offers certain advantages over the catalytic hydrogenation procedure for the **removal of some commonly used protecting groups in peptide synthesis** which have been successfully demonstrated by us. CTH has also been applied by us for the **reductive cleavage of azo and hydrazo compounds.** Further, **azo and biaryls compounds have been synthesized by using this technique** which are important in dye industries.

Presently we are very much projected towards the conjugation of various peptides to different heterocycles in order to get the enhanced results. Several

potent molecules have been identified for different targets and these may be regarded as lead for further studies. On these lines, the research work carried by our group is of enormous interest which would pave way for the development of society in general and chemistry in particular.

Achievements/ Significance/ Outcome of the Research Work – A Triumph

With a view to overcome the limitations of the catalytic hydrogenation methods, we were very much projected towards the CTH which offers great advantages. As an outcome of the research work particularly in this field from our research group, **nearly 70 research articles have been published in various national and international journals of high repute.** The applicability of CTH has also been **reflected in several review articles/ invited reviews** also. Our works have been **cited in the most renowned text book of Organic Chemistry by Jerry March and also the new reagent systems developed in our lab have appeared in Fieser and Fieser's Reagents for Organic Synthesis (Wiley).** Most of the articles from our laboratory have been cited in various journals which cross the number **1400 (total citations)** and the **h factor is 21.**

Current Status of Work – A Boon to Synthetic Organic Chemistry

As always it has been a continual subject of interest for chemists to develop novel, facile and cost-effective methods for the synthesis of organic compounds which are industrially as well as pharmacologically important, CTH proved to be a highly efficient field in this era. In continuation of this work, we have developed several novel methods/reagent systems for the reduction of various functionalities. The advantages associated with these are:

- ✓ **Chemo-selectivity**
- ✓ **Stereo-selectivity**
- ✓ **Cost-effectiveness**

- ✓ **Rapidity**
- ✓ **Safe reaction medium**
- ✓ **Ease of work up**
- ✓ **More environmental benign**
- ✓ **Easy recovery and recycling of catalyst**

Advancement in the Field – *Marching Towards the Victory*

Earlier reports discuss the employment of costly metals for CTH like Pt, Rd, Rh, Pd etc., In order to replace them with cheaper metals **our research group employed cheaper metals like Zn, Mg, Sn and Pb for the first time**. Thus, the methods we developed have surpassed the other methods in having the above said advantages. Hence, these CTH techniques have been utilized for **large scale manufacture in industries and also yield isolated have been optimized** thus reducing the risk so also the other criteria including the cost. This technique has also been implemented in **research laboratories for the functional group/s transformation**. In view of all these credentials, it can be envisioned that CTH always stands as a better and right choice for chemists in general and industrialists in particular.