

## **RESUME**

### **Dr. K. Ishwar Bhat, M.Sc, Ph.D**

Professor & HOD

Department of Pharmaceutical Chemistry

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Date of Birth: 06 July, 1956

Field of Specialization: Pharmaceutical Chemistry

Date of Joining NGSMIPS: 04.11.1986

### **Academic and Professional Qualifications:**

- Ph. D.: "Studies on Electron Transfer Reactions of some Manganese (III) Compounds in Solution" Mangalore University, Mangalore, 1994.
- M. Sc : (Chemistry), University of Mysore, Mysore, 1979
- B.Sc : University of Mysore, 1977

### **Positions Held:**

- Professor and Head, Dept of Pharmaceutical Chemistry, NGSM Institute of Pharmaceutical Sciences, Mangalore, 1996 onwards
- Asst. Professor: Dept of Pharmaceutical Chemistry, NGSM Institute of Pharmaceutical Sciences, Mangalore. 1991-1996
- Lecturer: Dept of Pharmaceutical Chemistry, NGSM Institute of Pharmaceutical Sciences, Mangalore, 1986-1991.

### **Research Interest:**

- Analytical and Kinetic Studies of Pharmaceutically Important Compounds
- Synthesis, Characterization and Biological Activity Studies of Substituted Triazoles.
- Synthesis, Characterisation and Biological Activity studies of Substituted Azetidinone Derivatives

## **Research Publications:**

1. Potentiometric Studies on Electrolytically generated Manganese(III) Acetate in Aqueous Acetic Acid : Oxidations of Thiosemicarbazide in Metal Complexes and Thiosemicarbazones, K. Ishwar Bhat, B. S. Sherigara , Indian Journal of Chemistry, 31A (1992) 49.
2. Coulouremetric Mangnimetry in Aqueous Sulphuric Acid, Determination of Thiocyanates and other Reductants, B. S. Sherigara , Ivan Pinto, K. Ishwar Bhat, (J. Electrochem. Soc. India, Vol. 41-3 (1992) 149
3. Manganese(III) Oxidations of Benzoyl hydrazine, Aroxyacetyl hydrazine, Semicarbazide Thiosemicarbazide and their Derivatives in Pyrophosphate Media, B. S. Sherigara, Ivan Pinto, K. Ishwar Bhat, Mikrochim Acta, 112 (1993)
4. Kinetics of Oxidation of Thiocyanate Ion by Manganese (III) in Pyrophosphate Medium, K. Ishwar Bhat, B. S. Sherigara, Ivan Pinto, Transition Met. Chem., 18 (1993) 163-166.
5. Kinetics of Oxidation of Pyridoxine by Anodically Generated Manganese(III) in aqueous acetic acid Medium, K. Ishwar Bhat, B. S. Sherigara, Transition Met. Chem., 19 (1994) 173-177.
6. Oxidation of Thiourea and some of its Organic Derivatives with Manganese(III) in Pyrophosphate and Acetate Media B. S. Sherigara, K. Ishwar Bhat, Oxidation Communications, 17, 3, (1994) 201-208.
7. Kinetics of Oxidation of Pyridoxine by Manganese(III) in Pyrophosphate Medium K. Ishwar Bhat, B. S. Sherigara , Ivan Pinto, Indian Journal of Chemistry, 33A (1994) 42-46.
8. Oxidation of L-aspartic Acid by Manganese(III) Ions in aqueous Sulphuric Acid, Acetic Acid and Pyrophosphate Media- A Kinetic Study, B. S. Sherigara, K. Ishwar Bhat, N. M. Made Gowda, Int. J. Chem. Kinet., 27 (1995) 675-690.
9. Anodically Generated Manganese(III) acetate for the Oxidation of a -amino acids in Aqueous Acetic Acid- Akinetic Study, B. S. Sherigara, K. Ishwar Bhat, Ivan Pinto, Amino Acids 8 (1995), 291-303.
10. Potentiometric Studies on Electron Transfer Reactions of Anodically Generated Manganese (III) sulphate in aqueous H<sub>2</sub>SO<sub>4</sub>-HOAc and Manganese (III) Acetate in Aqueous Acetic Acid: Oxidation of Semicarbazide and Semicarbazones, Ivan Pinto, B. S. Sherigara, K. Ishwar Bhat, Indian Journal of Chem. Soc., Vol 73, (1996) 47-53.
11. pH Effect on the Kinetics of Oxidation of L-Histidine by Manganese(III) in pyrophosphate medium , E. V. S. Subrahmanyam, K. Ishwar Bhat, B. S. Sherigara , Samyak Journal of Chemistry, 1(1997) 32 -34.
12. Oxidation of Ascorbic Acid, Analgin, INH and Riboflavin by Manganese(III) in pyrophosphate medium , E. V. S. Subrahmanyam, K. Ishwar Bhat, B. S. Sherigara, Oxidation Communications, 22, (1999) 458-463.
13. Kinetics and Mechanism of Oxidative Transformation of (6R)-6-(a -phenyl-D-glycylamino) penicillanic acid (ampicillin) by Manganese(III) in Pyrophosphate Medium, E. V. S. Subrahmanyam, K. Ishwar Bhat, B. S. Sherigara, D. Satyanarayana, Polish Journal of Chemistry, 74(2000) 793-800.

14. Oxidation of 3-(3,4-dihydroxyphenyl) L-alanine, (levodopa)-2-methyl-alanine(methyl dopa) by Manganese(III) in pyrophosphate medium. E. V. S. Subrahmanyam, K. Ishwar Bhat, B.S. Sherigara, International Journal of Chemical Kinetics (accepted).
15. Kinetics of oxidation of Acetyl Salicylic Acid (Aspirin) By manganese(III) in pyrophosphate medium-E.V.S Surahmmayam, K Ishwar Bhat, B.S Sherigara and B.Kalluraya Ind. J. Chem. ,40A, (2001), 171-174.
16. Synthesis and Pharmacological Studies of Some Azetidinones bearing Ibuprofen Moiety, K.Ishwar Bhat, Mohammed Mubeen and Balakrishna Kalluraya, Indian Journal of Heterocyclic Chemistry, 13 (2003), 183-184
17. Synthesis and Biological Activity of a Novel Series of 4-[2'-(6'-nitro)benzimidazolyl]benzoyl Amino acids and Peptides, M. Himaja, Rajiv, M. V. Ramana, Boja Poojary, D. Satyanarayana, E. V. S. Subrahmanyam, K. Ishwar Bhat, Boll. Chim. Farmaco, 142(2003), 450-453.
18. Synthesis and Pharmacological Activity of some schiff bases Derived from substituted 1,2,4-triazoles K. Ishwar Bhat, Vinod Kumar and Balakrishna Kalluraya, Asian Journal of Chemistry, 16 (2004), 96-102.
19. Synthesis and Anti Microbial studies of some Azetidinone derivatives from 8- Hydroxy quinoline. K.Ishwar Bhat, Supriya Maity and E.V.S. Subrahmanyam. Asian Journal of Chemistry, Vol. 19, No.6 (2007), 4363-4367.
20. Hepato protective activity of leaves of *Sapindus trifoliatus* – Pinto Jennifer, Bhat Ishwar, Ronald .F, E.V.S. Subrahmanyam and D.Satyanarayana. Asian Journal of Chemistry, Vol. 19, No.6 (2007), 4315 -4322.
21. The synthesis and anti microbial study of some azetidinone derivatives with the *para-anisidine* moiety. K.Ishwar Bhat, Sunil K. Chaitanya, D.Satyanarayana and Balakrishna Kalluraya. J. Serb. Chem. Soc. 72(5) (2007), 437-442.
22. Antiinflammatory activity of leaves of *sapindus trifoliatus* linn. Jennifer p, K. Ishwar Bhat, Ronald Fernandes and Subrahmanyam EVS. Indian Drugs. 44(11) (2007), 864-866.
23. Synthesis and antibacterial activity of Aminobenzylated Mannich Bases of Amides. K. C. Chelvaraju, K. Ishwar Bhat, Asian Journal of Chemistry, Vol. 20, No. 6 (2008). 1335 – 4338.
24. Synthesis, Characterisation and biological evaluation of some 1,3,5 – trisubstituted 2-pyrazolines. K.Ishwar Bhat and Dobariya Umesh Kumar P. Asian Journal of Chemistry, Vol 21, No 5 (2009), 3376 – 3380.
25. Synthesis and investigation of Colon specific polymeric prodrug of Ibuprofen with Cyclodextrin. Prabhakara Prabhu, Harish Nayari, Mohd. Gulzar Ahmed, D. Satyanarayana, R. Narayana Charyulu and K. Ishwar Bhat. Asian Journal of Chemistry, Vol. 21, No. 9 (2009), 6689 – 6694.
26. Synthesis, Characterization and Antimicrobial studies of some substituted Pyrozolines from Aryloxy Acetyl Hydrazine. K.Ishwar Bhat and M. Mumtaz Mohammad Hussain. Asian Journal of Chemistry, Vol 21, No. 5 (2009), 3371 - 3375.

27. Synthesis and antimicrobial activity of some thiazolidinone derivatives from 2-ethyl, 8-hydroxy quinoline. Sunil Kumar Chaitanya, K.Ishwar Bhat, E.V.S.Subrahmanyam. Asian Journal of Chemistry, Vol 21, No 2 (2009), 1126 – 1130
28. Synthesis and Antimicrobial activity of some oxadiazole derivatives containing Quinoline moiety. Sunil Kumar Chaitanya and .K.Ishwar Bhat. Journal of Pharmacy and Chemistry. Vol. 3 (2009), 19 – 22.
29. Synthesis and Biological activity of some Aminobenzylated Mannich bases of benzaldehyde. K.C.Cheluvraju, .K.Ishwar Bhat and E. V. S. Subrahmanyam. Asian Journal of Chemistry. Vol 21, No. 6 (2009), 4960 – 4962.
30. Synthesis and Biological activity studies of some pyrazoline derivative containing quinoline moiety. Sunil Kumar Chaitanya and K.Ishwar Bhat. J.Ind.Council Chemists, Vol.26 (2009), 1- 4.
31. Synthesis and Antimicrobial Activity of some new 2,5-Disubstituted 1,3,4-Thiadiazoles. Suresh Sharabasappa, K. Ishwar Bhat, Prabhu C. Jalihal, Basavaraj Kilarimath. Journal of Chemical and Pharmaceutical Sciences, Vol. 2, (2009), 141-145.
32. Synthesis and in-vitro study of novel aminobenzylated mannich bases as antibacterial agents. K.C. Celuvraju and K.Ishwar Bhat. J.Ind.Council of Chemists Vol. 26, No.1 (2009), 90-93
33. Synthesis and biological activity studies of some oxadiazole derivatives carrying quinoline moiety. Sunil Kmar Chaitanya P and K.Ishwar Bhat. Journal of chemical and pharmaceutical sciences, Vol.2, (2009), pp.204-206.
34. Evaluation of Anthelmintic activity of leaves of Emblica officinalis, Cheluvraju K.C and Ishwar Bhat K, Herbal Heritage 1 (4), (2009), 218-220.
35. Quantitative spectrophotometric determination of sulphacetamide sodium in bulk and in pharmaceutical dosage form. K. C. Cheluvraju, K. Ishwar Bhat and Zaranappa. Journal of Pharmacy Research Vol 3. Issue1 (2010), 47-48
36. Synthesis and antimicrobial activities of Amino benzylated mannich bases of pyrazinamide. K. C. Cheluvraju and K. Ishwar Bhat. International Journal of Chem Tech Research, Vol.2, ( 2010), 1368-1371
37. Antifungal evaluation of some novel aminobenzylated mannich bases. K. C. Chaluvraju and K. Ishwar Bhat, Asian Journal of Chemistry, Vol.22, No.8(2010), pp 6605-6606.
38. Aminobenzylated Mannich Bases of Amides, K. C. Chaluvraju and K. Ishwar Bhat, Journal of Chemical & Pharmaceutical sciences, Vol. 3, Issue 3, (July – Sept. 2010), pp 138-140.
39. Synthesis and Biological Studies of Some Quinoline incorporated Pyrazoles, P. Sunil Kumar Chaitanya, K. Ishwar Bhat and B. C. Revanasiddappa, Indian Journal of Heterocyclic Chemistry, Vol. 20, (2010), pp 99-10.
40. Synthesis and Pharmacological study of some novel Thiazolidinones, Vishal D Joshi, K. Ishwar Bhat, R. Jayaraman, Akash P Dahake, Aravind R Desai, Lat. Am. J.Pharm. Vol. 29(8), (2010), pp 1440 – 1444.

41. Synthesis and biological evaluation of some new 1,2,4-tiazolo-[3,4,-b]- 1,3,4-thiadiazoles, E.V.S Subramanyam, B.C RevannaSiddappa, K .Ishwar Bhat, Jisha Prems and P.S Surya, J.Chem.Pharm.Res; Vol. 2(5), (2010), pp 323-326.
42. Anthelmintic activity of Tectona Grandis Linn Fruits, Gururaja MP, Joshi Himanshu, Bhat Ishwar K, Satyanarana D, Shastry CS, International Research Journal of Pharmacy, Vol 2(1), (2011), pp 219-221.
43. In-Vitro cytotoxic activity studies of Clitoria Ternatea Linn Flower Extracts, Shyam Kumar. V and K. Ishwar Bhat, International Journal of Pharmaceutical Sciences Review and research, Vol 6, Issue 2, (2011) 120-121.
44. Antimicrobial studies of synthesized azetidinone derivatives from sulfamethoxazole moiety, K. Ishwar Bhat, Sunil Kumar Mishra, Jainey P. James and Shastry C.S, J. Chem.Pharm.Res., Vol 3(3), (2011), 114-118.
45. Synthesis and screening of substituted Eugenol and Paracetamol linked Pyrimidines, H.S Basavaraja, Basavaraja Padmashali, K. Ishwar Bhat, Mumtaz M. Hussain and M.M.J Vijaykumar, Indian Journal of Heterocyclic Chemistry, Vol.20, (2011), 241-244.
46. Synthesis and antimicrobial studies of azetidinone derivatives from sulphadiazine moiety, Ishwar Bhat. K, Sunil Kumar Mishra, Jainey P James and Shastry C.S, Journal of Pharmacy research, Vol.4 (5), (2011), 1361-62.
47. Synthesis of thiophen-2-yl pyrimidines as antitumour, analgesic and antiinflammatory agents, Jainey P James, K. Ishwar Bhat, Indian Journal of heterocyclic chemistry, Vol 20, (2011), 309-312.
48. Studies on the anthelmintic property of Aminobenzylated mannich bases, Chaluvvaraju K.C and K. Ishwar Bhat. Journal of Young Pharmacists Vol.3, Issue 3 (2011), 243-245.
49. Synthesis, characterization and biological activity studies of 1,3,4-Oxadiazole analogs, K. Ishwar Bhat, K. Sufeera and Sunil Kumar Chaitanya. P. Journal of Young Pharmacists, Vol-3, Issue-4(2011), 310-314.
50. Biological evaluation of Aminobenzylated Mannich bases of p-Fluoro benzaldehyde, Chaluvvaraju K.C, Ishwar Bhat K. International Journal of Pharm Tech Research, Vol-3, No.4, (2011), 1904-1908.
51. Antimicrobial and cytotoxic evaluation of (E)- thienyl chalcones derived from thiophene -2- carbaldehyde, Mumtaz Mohammed Hussain M, Ishwar Bhat K, Revansiddappa B.C, Abubekar Siddiq and Bharathi D.R. Pharmacology Online Vol-3 (2011), 880-888.
52. Synthesis, pharmacological and biological screening of new isoxazolines, K Ishwar Bhat, RK Anil Kumar and Abhishek Kumar, Indian Journal of Heterocyclic Chemistry. Vol-21, (2011), 163-166.
53. Synthesis, and biological screening of some 1,3,4 – oxadiazoles, K. Ishwar Bhat, BC Revansiddappa, Jisha Prems, M Mumtaz Mohammad Hussain, Indian Journal of Heterocyclic Chemistry. Vol-21, (2011), 183-184.
54. Invitro Anti-oxidant activity of Desmodium Oojeinense (Roxb.) H.Ohashi. Jayadevaih K.V, Ishwar Bhat.K, A.B Joshi, Vijayakumar MMJ, G.Swetha, Rajshekar K.V, Pharmacology online, Vol-3: (2011), 1119-1126.

55. Synthesis and antibacterial activity of new 2,5- disubstituted 1,3,4- thiadiazole derivatives. Suresh Sharabasappa, K. Ishwar Bhat, Mahesh B Palkar, Rahul Shukla, International Journal of Pharmaceutical research and Development, Vol-3(12): (2012) 144-151.
56. Analgesic and anti inflammatory activity of *Desmodium Oojeinense* (Roxb.) H. Ohashi. Jayadevaiah K.V, Ishwar Bhat.K, A.B Joshi, Vijayakumar MMJ, G.Swetha, American Journal of Pharmtech Research, Vol-2(1): (2012), 557-563.
57. Microwave mediated Aminobenzylation reactions, Cheluvvaraju KC and Ishwar Bhat K, International Journal of Pharmascholars, Vol-1(1): (2012), 34-39.
58. Antitumor, Analgesic, and Anti-inflammatory activities of synthesized pyrolozins. Janey P James, K. Ishwar Bhat, Journal of young pharmacist, Vol-4, Issue-2, (2012), 82-87.
59. Anti inflammatory, analgesic and phytochemical studies of *clitoria ternatea* linn flower extract, Shyamkumar and K. Ishwar Bhat. International research Journal of Pharmacy, Vol-3(3), (2012), 208-210.
60. Hepatoprotective activity of *desmodium oojeinense* (Roxb.) H.Ohashi gainst paracetamol induced hepatotoxicity. Jayadevaiah K.V, K. Ishwar Bhat, A. B. Joshi, Vijaykumar M.M.J, Pinkey Rawal, Asian Journal of Pharmaceutical and Health Sciences, Vol-2, Issue-2, (2012), 312-315.
61. Anti-inflammatory and anti-tumor activities of ethanolic bark extract of *Bauhinia variegata*, Ishwar Bhat. K, Shyamkumar Balakishnan N, Asian Pacific Journal of Tropical Biomedicine, 2012, 1-3.
62. Synthesis, Antitubercular, Antibacterial and Antifungal evaluation of 2-Amino Pyrimidine Derivatives, M. Mumtaz Mohammed Hussain, K. Ishwar Bhat, B.C. Revannasiddappa and G.R. Nataraj, Indian Journal of Heterocyclic Chemistry, Vol - 22(2012), 159-164.
63. Synthesis, Characterization and Biological activity studies of some Benzodiazepine and Isoxazoline derivatives via common intermediate chalcone, Manoj Kumar Singh Chauhan, Nitin Kumar, Jainey P James, K. Ishwar Bhat, Md. Samiullah, Asian Journal of Pharmacy and Life Science, Vol. 2(4), Oct-Dec, 2012, 395-405.
64. Synthesis, Pharmacological and Biological Screening of Novel Derivatives of Benzodiazepines, K. Ishwar Bhat, Manoj Kumar Singh Chauhan, Abhishek Kumar, Pankaj Kumar, J. Heterocyclic.Chem, 00,00(2012).
65. Studies Related to Antimicrobial Activity of Aminobenzylated Mannich Bases of Urea, Chalvaraju K.C and Ishwar Bhat K, International Journal of Pharmacy, Vol- 3(1), (2013), 98-102.
66. Synthesis, Antitubercular, Antibacterial and Antifungal evaluation of Novel 1,3,5- Trisubstituted Pyrazolines, M. Mumtaz Mohammed Hussain, K. Ishwar Bhat, B. C. Revanasiddappa, Maruti T. Ekbote and G. R. Nataraj, Indian Journal of Heterocyclic Chemistry, Vol 22, Jan-March(2013), 267-272.
67. Antitumor and Antitubercular Activities, Microwave Assisted Synthesis of some Chalcones, P. J. Jainey and K. Ishwar Bhat, Asian Journal of Biochemical and Pharmaceutical Research, Issue 2(Vol. 3), 2013, 8-14.

68. Synthesis and Biological evaluation of some novel 2-mercapto pyrimidines, M. Mumtaz Mohammad Hussain, K. Ishwar Bhat, B. C. Revansiddappa, D. R. Bharathi, International journal of Pharmacy and Pharmaceutical sciences, Vol 5, suppl 2, 2013, 471-473.
69. Analgesic, Antifungal and *In-Vitro* Cell Cytotoxic studies of *Bauhinia Variegata* Bark Extract, Shyamkumar B Nair and Ishwar Bhat K., American Journal of Pharmtech Research, Vol 3(3), 2013, 845-849.
70. Synthesis and Biological Evaluation of some novel 2-Hydroxy Pyrimidines, M. Mumtaz Mohammed Hussain, K. Ishwar Bhat, B. C. Revansiddappa, D. R. Bharathi, Int. J. Drug Dev. & Res., Vol 5(3), 2013, 150-154.
71. Cytotoxic, Analgesic and Anti-inflammatory studies of Pyrazoline derivatives derived from 2-Acetyl pyrrole, K. Ishwar Bhat, Pankaj Kumar, Abhishek Kumar and S. H. Chetan, Indian Journal of Heterocyclic chemistry, Vol 23, 2013, 69-74.
72. A stability indicating RP-HPLC method for simultaneous estimation of Emtricitabine, Tenofovir disoproxil fumarate and Efavirenz in pharmaceutical dosage forms, Sreekanth Nadig, Jane T Jacob, Ishwar Bhat, Kishoreraju V, Int. J. Res. Pharm. Sci., Vol 4(2), 2013, 391-396.
73. Screening of Antiepileptic Activity of Leaves of *Sapindus trifoliatus* Linn., Jennifer Fernandes, Bhat K. Ishwar and Fernandes Ronald., Research J. Pharm. and Tech 6(10), 2013, 1124-1126.
74. Microwave assisted synthesis of novel pyrimidines bearing benzene sulfonamides and evaluation of anticancer and antioxidant activities, Jaaney P, Ishwar Bhat K, Asian Journal of Pharmaceutical and Clinical Research, Vol 7, suppl 1, 2014, 111 – 114.
75. Apoptosis and Flowcytometric Studies of *Bauhinia Variegata* Bark Extract, Shyam Kumar B, K. Ishwar Bhat, Asian Journal of Pharmaceutical and Clinical Research, Vol 7, suppl 1, 2014, 45-47.
76. Synthesis, Characterization and Biological activity studies of some substituted pyrimidine derivatives, K. Ishwar Bhat, Abhishek Kumar, P.V. Thara and Pankaj Kumar, Indian Journal of Heterocyclic Chemistry, Vol 23, Jan-March, 2014, 271-276.
77. Synthesis, Pharmacological and biological screening of some novel pyrimidine derivatives, K. Ishwar Bhar, Abhishek Kumar, Muhammed Nisar and Pankaj Kumar, Medicinal Chemistry Research, Vol 23, 2014, 3458-3467.
78. Synthesis, Pharmacological and Biological Screening of Novel Derivatives of Benzodiazepines, K. Ishwar Bhat, Manoj Kumar Singh Chauhan, Abhishek Kumar and Pankaj Kumar, Journal of Heterocyclic Chemistry, 51, 2014, 1189-1192.
79. Synthesis, Antimicrobial, Antitubercular and Cytotoxic studies of some pyrimidine derivatives derived from chalcones, K. Ishwar Bhat, Abhishek K, Pankaj K, World Journal of Pharmacy and Pharmaceutical Sciences 2014; 3(8): 1432-1439.
80. Synthesis and Biological Evaluation of Some Novel Pyrimidine Derivatives Derived from Chalcones, K. Ishwar Bhat, Abhishek Kumar, Pankaj Kumar and Riyaz E. K., Research Journal of Pharm. and Tech., 7(9), 2014, 995-998.

81. Antimicrobial studies of some substituted pyrazoline derivatives derived from acetyl hydrazines, Ishwar Baht K., Jainey P. J., Asian Journal of Pharmaceutical and Clinical Research, 7(4), 2014, 237-239.
82. Synthesis, Biological and Pharmacological evaluation of some azetidinone derivatives carrying 2-isopropyl-5-methyl-1-phenol moiety, K. Ishwar Bhat and P. J. Jainey, Indian journal of Heterocyclic chemistry, vol.24, 2014, 81-86.
83. A review on monoclonal antibodies in cancer therapy and auto immune disease, Santhosh Kumar C, Chalubaraju KC, Ishwar Bhat K, Pavithra G, International Journal of Institutional Pharmacy and Life Sciences, 4(6), 2014, 161-184.
84. Synthesis, antibacterial, antifungal and cytotoxicity screening of 1,5-benzodiazepines, K. Ishwar Bhat, M. Mumtaz Mohammed Hussain, B. c. Revanasiddappa and D. R. Bharathi, Journal of Indian Chemical Society, Vol 92, June 2015, 940-944.
85. Synthesis, antitumor and antioxidant activity studies of cyanopyridones, P. J. Jainey and K. Ishwar Bhat, Journal of Indian Chemical Society, Vol 92, June 2015, 945-950.
86. Inhibitory effect of ethanolic root extract of *Coix lachrymajobi* on Hyaluronidase and L-Amino acid oxidase of *Naja naja* and *daboia russelli* venom, Rajesh KS, Vaman Rao C, Ishwar Bhat K., Asian Journal of Pharmaceutical and Clinical Research, Vol 8(5), 2015, 206-208.
87. Synthesis, antimicrobial and cytotoxic activity of novel 1,5-benzodiazepine derivatives, K. Ishwar Bhat, Abhishek Kumar and Prathyusha V., Indian Journal of Heterocyclic Chemistry, Vol 25, December 2015, 161-164.
88. Synthesis, biological and pharmacological studies of some substituted pyrazolines derived from aryloxy acetyl hydrazines, K. Ishwar Bhat, Pankaj Kumar and Jagath G, Indian Journal of Heterocyclic Chemistry, Vol 25, December 2015, 137-140.
89. Preliminary phytochemical investigation and anti-venom activity of *coix lacrymajobi* root extract against *daboia russelli* venom-induced myonecrosis, Rajesh KS, Ishwar Bhat K, Vaman Rao C, Asian Journal of Pharmaceutical and Clinical Research, Vol 9(1), 2016, 295-297.
90. Synthesis and Anti-Inflammatory activity of some Novel 1,5 Benzodiazepine derivatives, Ishwar Bhat K, Abhishek Kumar, Asian Journal of Pharmaceutical and Clinical Research, Vol 9(4), 2016, 63-66.

### **Memberships:**

- Life Member- Association of Pharmaceutical Teachers of India (APTI)
- Life Member Indian Pharmaceutical Association (IPA)
- Life Member of Indian Council of Chemists (ICC)
- Member of Board of Studies, Mangalore University (1997-2000)
- Member of Board of Studies for P.G of R.G.U.H.S Bangalore(2000-2003)
- Member of Board of Studies for UG and PG of Nitte University(2009 onwards)
- Member of Academic council of Nitte University (2011 onwards)



- Member of Research and recognition committee of Nitte University (2009 onwards)
- Member of Central ethics Committee Nitte University (2015-2018)
- Member of Ethics Committee, Biomedical Sciences, Nitte University (2016 onwards)

### **Subjects Teaching:**

- Pharmaceutical Organic Chemistry, Inorganic Pharmaceutical Chemistry, for B. Pharm and Advanced Pharmaceutical Chemistry for M. Pharm.

### **Conferences Attended/ Papers Presented:**

1. Kinetics of Oxidation of Thiocyanate Ion by Manganese(III) in Pyrophosphate Medium, K. Ishwar Bhat, B. S. Sherigara, 16th Annual Conference, Indian Council of Chemists, Goa University, Oct. 1991.
2. Oxidation of Ascorbic Acid, Analgin, INH and Riboflavin by Manganese(III) in pyrophosphate medium, E. V. S. Subrahmanyam, K. Ishwar Bhat, B. S. Sherigara, 16th Conference of Indian Council of Chemists, Mangalore University, Dec. 1997.
3. Design, synthesis and Antitubercular evaluation of 4 -[(2 -Hydrazino) isonicotinoyl] Benzoyl amino acids and peptide methyl esters, M. Himaja, Ajay Babu, M. V. Ramana. D. Satynarayana, E. V. S. Subrahmanyam and K. Ishwar Bhat, 53rd I.P.C. New Delhi, Dec 2001.
4. Design, Synthesis and Antimicrobial activity studies of some Amidomycin Analogs, M. Himaja, Ogale Sachin, M. V. Ramana, D. Satynarayana, E. V. S. Subrahmanyam and K. Ishwar Bhat, 54th I.P.C., Pune, Dec. 2002.
5. Special Symposium on recent developments in NMR Methodology and National Symposium on Magnetic Resonance, 3 -6 Feb. 2003, Indian Institute of Science, Bangalore.
6. Analytical Investigation of pyridoxine, Analgin, Isoniazid, Ascorbic Acid and Cephalexin by Using Chloramine-T as an Oxidant, K. Ishwar Bhat, H.R. Vanishree et al., 22nd Annual Conference of Indian Council of chemists, Roorkee, Oct. 2003.
7. Rational Design, Synthesis and Antimicrobial Evaluation of 6-amino penicillanic acid Derivatives of some linear and Cyclic peptides, M. Himaja, Subodh Maller and K. Ishwar Bhat, 22nd Annual Conference of Indian Council of Chemists, Roorkee, Oct. 2003.
8. Synthesis and ant microbial studies of some azetidinone derivatives derived from - 2-methoxy-4-(2-propenyl) phenol moiety. K Ishwar Bhat, Arun Kumar, D. Satyanarayana, E. V. S Subrahmanyam, M.V Ramana and M. Himaja. 23<sup>rd</sup> Annual Conference of Indian Council of Chemists Mumbai October 2004
9. Design and synthesis of N-Methylated analogs of cyclo[nitroproctolin] as a potent anthelmintic agent. M Himaja, Samir Patel, M. V Ramana, D. Satyanarayana, E. V. S. Subrahmanyam and K Ishwar Bhat 23<sup>rd</sup> Annual Conference of Indian Council of Chemist, Mumbai October 2004.

10. Synthesis and Anti microbial studies of some Azetidinone derivatives from para-nitrobenzyl moiety. K.Ishwar Bhat, Sunil Kumar Chaitanya, D.Satyanarayana, E.V.S.Subrahmanyam 24<sup>th</sup> annual conferences of Indian Council of Chemists, Birla Institute of Technology, Ranchi , December 2005.
11. Phytochemical and Pharmacological investigations of plant sapindus trifoliatus, K.Ishwar Bhat, Jennifer Fernandes and D.Satyanarayana. 57<sup>th</sup> Indian Pharmaceutical Congress held at Hyderabad, December 2005.
12. Synthesis, Characterization and Anti microbial studies of some Azetidinone derivatives from Sulfadiazine moiety, K.Ishwar Bhat, E.V.S.Subrahmanyam, D.Satyanarayana and M.Himaja. Indian Council of Chemists held at Birla College, Kalyan, Mumbai, December 2006.
13. Synthesis and Antimicrobial studies of some novel 1,3,5-trisubstituted 2-pyrazolines, K.Ishwar Bhat, E.V.S.Subrahmanyam and Chandrashekhar Singh, Indian Council of Chemists held at Department of Chemistry, H. S. Gour University, Sagar(M.P), February 2009.
14. Participated in one day Regional Seminar on **“Qualitative Research Methodology and Regulatory Affairs”** on 8<sup>th</sup> April 2009, organized by the NGSM Institute of Pharmaceutical Sciences, Mangalore.
15. Participated 2 days National level technical symposium on Novel concepts in pharmaceutical research on 16<sup>th</sup> & 17<sup>th</sup> July 2009, organized by NGSM Institute of Pharmaceutical Sciences, Mangalore.
16. Participated in 1day National seminar on basic concepts of CADD and its application in pharmacy, held on 5<sup>th</sup> February 2010 organized by Institute of Pharmaceutical Sciences, Mangalore.
17. Presented research paper **“Synthesis, Characterization and biological activity studies of 1,3,4 – Oxadiazoles”** in the 28<sup>th</sup> Annual Conference of *Indian Council of Chemists* held at Hemachandraacharya North Gujrath University, Patan from 7<sup>th</sup> – 10<sup>th</sup> November 2009.
18. Presented research paper **“Synthesis, Characterization and Anticancer Activities of Substituted Pyrazolines”** in One Day Users Meeting- SAIF Bangalore held on 9<sup>th</sup> Mar 2010 at NMR Research Centre, Indian Institute of Science, Bangalore by Jainey P James<sup>\*</sup>, Ishwar Bhat K, Sunil Kumar C.
19. Presented research paper **“Cytotoxicity Studies and Synthesis of Pyrazolines and Pyrimidines via Common Intermediate Chalcones”** Oral presentation at the 2nd International Conference on "Current status and future perspective in pharmaceutical sciences" on 20<sup>th</sup> & 21<sup>st</sup> August 2010 held at PES College of Pharmacy, Bangalore, by Jainey P James<sup>\*</sup>, Ishwar Bhat K, Sunil Kumar C.
20. Presented research paper **“Synthesis , characterization and biological studies of some substituted Pyrazolines and Pyrimidine Derivatives”** Oral presentation at the 29<sup>th</sup> Annual conference of Indian council of chemists from 19<sup>th</sup> to 21<sup>st</sup> December 2010 held at chemistry department, Punjab University Chandigarh by K. Ishwar Bhat and Jainey P James.
21. Presented Research Paper **“Utility of Thiophenes in the synthesis of novel pyrimidines as antitumor, analgesic and anti-inflammatory agents”** Poster Presentation in the 62<sup>nd</sup> Indian Pharmacuetical congress from 17<sup>th</sup> to 19<sup>th</sup>

- December 2010 held at Manipal College of Pharmaceutical sciences, Manipal by Jainey P James and K. Ishwar Bhat.
22. Presented research paper “**Synthesis, Charecterization and comparative pharmacological studies of thiophene containing chalcones and their corresponding 2-hydroxy pyrimidines**” poster presentation at the International Conference of Indian Council of Chemists from 11<sup>th</sup> to 15<sup>th</sup> June 2011 held at Bangkok by K. Ishwar Bhat and Mumtaz Mohmmmed Hussain.
  23. Presented research paper “**Synthesis, Charecterization and biological activity studies of some substituted pyrazoline derivative derived from chalcones**” poster presentation at the International Conference of Indian Council of Chemists from 11<sup>th</sup> to 15<sup>th</sup> June 2011 held at Bangkok by C.S Shastry and K. Ishwar Bhat.
  24. Presented research paper “**Antioxidant, antituberculer, antibacterial, antifungal studies of some novel pyrazolone derivatives**” poster presentation at the International Conference of Indian Council of Chemists from 11<sup>th</sup> to 15<sup>th</sup> June 2011 held at Bangkok by B. Revansiddappa and K. Ishwar Bhat.
  25. Participated in 2 days workshop on conservation of medicinal plants and preservation of traditional medicinal plant knowledge base held on 4<sup>th</sup> to 5<sup>th</sup> August 2011 organized by Institute of Pharmaceutical Sciences, Mangalore.
  26. Presented paper entitled “**Synthesis, Pharmacological and biological screening of novel isoxazoline derivatives derived from chalcones**” in the 30<sup>th</sup> annual conference of Indian Council of Chemists 28<sup>th</sup> -30<sup>th</sup> December 2011 held at Osmania University Hyderabad in the Oral Session.
  27. Presented a paper in the oral session entitled “**synthesis, antimicrobial, analgesic and anticancer activity of some substituted pyrimidines**”, Abhishek Kumar, K. Ishwar Bhat, Mohammed Nisar and A.V Pankaj Kumar in the International Conference of Synthetic and structural chemistry held at department of studies in chemistry Mangalagangothri, Mangalore University from December 8<sup>th</sup> – 10<sup>th</sup> 2011.
  28. Presented a paper in the oral session entitled “**synthesis of 5-Quinolinamines as potential anti malarial agents**”, Pankaj Kumar, K. Ishwar Bhat, Abhishek Kumar and Rahul Jain in the International Conference of Synthetic and structural chemistry held at department of studies in chemistry Mangalagangothri, Mangalore University from December 8<sup>th</sup> – 10<sup>th</sup> 2011.
  29. Presented a paper in the poster session entitled “**anticancer studies of somes heterocycles derived from chalcones against DLA cell lines**”, Jainey P James and Ishwar Bhat K in the 63<sup>rd</sup> Indian Pharmaceutical Congress held at Bangalore International Exhibition Centre during 16<sup>th</sup> to 18<sup>th</sup> December 2011.
  30. Presented research paper in the poster session entitled “**synthesis, antibacterial, antifungal, cytotoxicity screening of 1,5 – benzodiazipines**”, Dr. K. Ishwar Bhat and Mumtaz Mohammed Hussain in the international conference “Emerging trends in chemical sciences” held at VIT, Vellore from December 5<sup>th</sup> – 7<sup>th</sup> 2013.

#### **Guest Lecture Delivered:**

1. Dr. K. Ishwar Bhat, Professor and Head, department of Pharmaceutical chemistry delivered a guest lecture on 28<sup>th</sup> November 2015 “Thermodynamic properties and

Chemical reactions” in a workshop organized by Delhi Public School, Bokaro, Steel City, Ranchi.

### **M.Pharm. Projects Completed**

1. Analytical investigation of Paracetamol and Vitamin C and its applications. Jennifer Pinto, May 1994
2. Analytical investigation of riboflavin, Isoniazid and Analgin using Manganese (III) pyrophosphate as an Oxidant. Ramdas G. Bhat, May 1996
3. Synthesis and biological activities of some schiffbases. H. Srinivas, July 1999
4. Synthesis and Biological evaluation of some schiffbases derived from 3-substituted -Triazoles. V. Suresh, July 2001
5. Analytical investigation and kinetics of oxidation of some pharmaceutically important drugs by Chloramine-T Ms. Vanishree H.R, March 2002
6. Synthesis and Pharmacological studies of some Azetidinone derivatives bearing Ibuprofen Moiety. Muhammad Mubeen, March 2002
7. Synthesis and pharmacological activity of some schiff bases derived from substituted 1,2,4-Triazoles Vinod Kumar R, Sept 2002
8. Synthesis and Pharmacological studies of some Azetidinone derivatives derived from Aryloxy Methyl Moiety. Neeraj Kumar Fuloria march 2003.
9. Sythensis, characterization & biological evaluation of some Azetidinone derivatives carrying 2-Isopropyl-5-Methyl-1-Phenol moiety, B.S. Visweshwariah, Sep. 2003.
10. Synthesis and antimicrobial studies of some Azetidinone derivatives derived from 2 Methoxy-4 (2 -Propenyl) Phenol moiety Arun Kumar R Sep. 2004.
11. Synthesis and Antimicrobial studies of some Azetidinone derivatives derived from para-chloro Aniline Moiety. Asim Hussain.
12. Synthesis and Animicrobial studies of some azetidinone derivates derived from para-Anisidine Moiety. P Sunil Kumar Chaitanya.
13. Synthesis, Characterization and Antimicrobial Studies of some Azetidinone derivates derived from 2-Sulfanilamido Pyrimidine Moiety. Sunil Kumar Mishra.
14. Synthesis and Antimicrobial studies of some Azetidinone derivatives derived from 8- Hydroxy quinoline Moiety. Supriya Maity.

15. Synthesis and Anti microbial studies of some novel 1, 3, 5-tri substituted 2-pyrazolines, Chandrashekar Singh.
16. Synthesis and Anti microbial studies of some substituted pyrazolines derived from aryloxy acetyl hydrazines. Jagath .G
17. Synthesis, characterization and biological evaluation of some 1,3,5 – trisubstituted 2-pyrazolines. Dobariya Umeshkumar Premjibhai.
18. Synthesis, characterization and Anti microbial studies of some substituted pyrazolines derived from aryloxy acetyl hydrazines. Mumtaz Mohammed Hussain.M
19. Synthesis, Characterization and biological activity studies of some substituted azetidinones. Rohit Bansal
20. Synthesis, Characterization and biological activity of some thiazolidinone derivatives. Joshi Vishal DineshBhai
21. Synthesis, Characterization and biological activity studies of 1, 3, 4 – Oxadiazoles. Sufeera K.
22. Synthesis, Characterization and biological activity studies of some benzodiazepine and isoxazoline derivatives, by Manoj Kumar Chauhan.
23. Synthesis, Characterization and biological activity studies of some substitute pyrazolines and pyrimidines, by Jainey P. James.
24. Studies of biologically active heterocyclics: - synthesis, characterization, antibacterial, antifungal and anti oxidant activity of some novel triazoles – by. Ms. Surya P.S
25. Studies in the synthesis and biological activities of compounds of medicinal importance, 1, 3, 4-oxadiazoles – by Mrs. Jisha Prems.
26. Synthesis, Characterization and biological activity studies of some substituted pyrazoline derivatives. – by Mr. Chetan S. H
27. Synthesis, Characterization and biological activity studies of some substituted isoxazoline derivatives derived from chalcones- by Mr. Anil Kumar R. K
28. Synthesis, Characterization and biological activity studies of some substituted pyrimidines- by Mr. Muhammed Nisar A.V
29. “Synthesis, Characterization and biological activity studies of some substituted Benzodiazepine derivatives” by Prathyusha. V

30. "Synthesis, Characterization and biological activity studies of some substituted Pyrozoline derivatives" by Thara. P.V
31. "Studies on synthesis and characterization of pyrimidine derivatives from chalcones and their Pharmacological evaluation by Livin Jose.
32. "Synthesis and characterization and pharmacological evaluation of some pyrimidine derivatives derived from chalcones by Riyaz. E. K

### **Completed Ph.D Projects**

- Phytochemical and pharmacological studies of Fruit Extracts of Sapindus Trifoliatus, Jennifer Fernandes.
- Synthesis and biological studies of some novel heterocyclic compounds derived from substituted anilines. Sunil Kumar Chaitanya.
- Synthesis and Biological Screening of some novel aminobenzylated Mannich bases, Chaluvvaraju K.C.
- Synthetic Studies in Heterocyclics of Pharmacological Interest, Suresh Honnalli.
- Chemical and pharmacological investigation of cow urine, Gururaj M.P
- Phytochemical and pharmacological investigation of the plant Desmodium oojinense (Roxb.) H. Ohashi" Y. Jayadevaih K.V.
- Synthesis and biological evaluation of some novel heterocyclic compounds derived from Chalcones. M. Mumtaz Mohammed Hussain.
- Phytochemical and pharmacological investigation of Clitoria Ternatea Linn and Bauhinia Variegata Linn. B. Shyamkumar.
- Synthesis and screening of sum biologically active five, six, seven membered novel heterocyclic compounds, Jainey P James.
- A study on anti venom property of root extract of *coix lachrymajobi* for the treatment of Indian poisonous snake venoms, Rajesh K. S

### **Project leading to Ph.D**

1. Synthesis and Pharmacological evaluation of some novel heterocyclic compounds containing nitrogen, oxygen and sulphur as hetero atoms, Susmita Basak.

### **Collaborative research**

Collaboration in a research project with department of biotechnology NMAMIT Nitte entitled “A study on anti venom property of Root extract of Coix Lachrymajobi for the treatment of India poisonous snake venom” funded by department of biotechnology India. (14 lakhs) Mr. Rajesh K.S is working in this project as a research scholar and persuing his Ph.D under the guidance of Dr. K. Ishwar Bhat, Prof. & H.O.D Pharma Chemistry NGSM Institute of Pharmaceutical Sciences, Deralakatte, Mangalore which is affiliated to Nitte University.

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