

DR. JATHI KESHAVAYYA

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Professor and Chairman
Department of Studies and Research in Chemistry
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Personal Information

Born on Nov. 27th 1959, Male, Indian citizen, Married.

Academic Profile

- 1984 –1989 : Ph.D. in Chemistry, University of Mysore, Mysore, India.
Thesis Advisor : **Prof. B. N. Achar**
Title of the thesis : “**Studies on Metal Phthalocyanine Complexes**”
- 1980 –1982 : M.Sc. in Chemistry, University of Mysore, Mysore, India.
- 2005 – 2007 : M.S. in Counselling and Psychotherapy, Kuvempu University

Teaching Experience

- 1982 – 1983 : *Lecturer in Chemistry* of Sri. J. C. B. M. College, Sringeri, Karnataka, India - Taught General Chemistry, Organic Chemistry, Inorganic Chemistry at **B.Sc. level**.
- 1983 – 1984 : *Lecturer in Chemistry* at St. Aloysius College, Mangalore, Karnataka, India - Taught General chemistry, Organic Chemistry, Inorganic Chemistry at **B.Sc. level**.
- 1985 – 1986 : Taught Instrumental methods of analysis such as NQR spectroscopy, Emission Spectroscopy, Mossbauer spectroscopy, Luminescence spectroscopy, NMR, ESR at **M.Sc. level**.
- 1991 – 1998 : *Lecturer in Industrial Chemistry*, at Kuvempu University, Jnana Sahyadri, Taught Instrumental Methods of analysis including group theory and spectroscopy, Environmental Chemistry, Polymer Science and Technology, Plant Layout and Management, Organic Chemical Technology to M. Sc. students and guided for project work of Master Degree students at their final year.

- 1998 May to 2006 May** : **Reader in Chemistry**, Engaged in post graduate Teaching and Research.
- 2006 May to till date** : **Professor in Chemistry**, Engaged in post graduate Teaching and Research.

Research experience

- 1984 – 1989** : **Research Scholar**, Dept of studies in Chemistry, University of Mysore, Mysore – 570 006, Karnataka, India.
- 1989 – 1991** : **Research Associate (Post Doctoral Fellow)** CSIR, Material Science Research Centre, Indian Institute of Technology, Madras, India.

Ph.D Guidance

Currently intense research work is going on tetra- and octa – substituted Metal Phthalocyanines, some novel Azo dyes, Thiadiazoles, Water soluble and biodegradable chitosan based polymers.

Research Guide

Seventeen students awarded Ph. D. degree of Kuvempu University; **Seven** students are working for their Ph. D. degree. **Four** students have been awarded Ph. D. degree as Co-guide. **Three** M.Phil students are awarded M.Phil degree.

Research Projects

1. A minor Research project, Synthesis, Characterization and Analytical studies on tetra substituted metal phthalocyanine derivatives” sponsored by Kuvempu University.

Amount : Rs. 0.25 lacks
Duration : 1 Year.
Status : Successfully completed
Outcome : 4 publications.

2. **DST Major Research project** (No.SP/SO/C-39/97) as a **Co-investigator**: Comparative studies on Amphibian Diversity and Habitat Ecology in various types of Forests and Agriculture Fields of Malnad Regions of Western Ghats in Karnataka. Sponsored by Dept. of Science and Technology,

Amount : Rs. 7, 50,000-00
Duration : 3 years.
Status : Successfully completed
Outcome : 4 publications.

3. **UGC Major Research Project** (No.34-303/2008 (SR) as a **Principal Investigator**. “Design and characterization of colon specific pulsatile drug delivery system.

Amount : Rs. 8,50,800-00.
Duration : 3 years.
Status : Successfully completed
Outcome : 2 publications.

4. **DST Major Research project** as a **Co-investigator**: Chemical and electrochemical generation of ZnO, CuO, SnO₂, TiO₂, Fe₂O₃ and MgO Nanoparticles for degradation of textile dyes from industrial effluents,

Amount : Rs. 36,00,000-00.
Duration : 3 years.
Status : Successfully completed

5. **UGC Major Research Project** as a Co-Investigator: “Tailoring substituted metal phthalocyanines for solar energy harvesting”.

Amount : : Rs. 8,09,800-00
Duration : 3 years.
Status : Successfully completed

Experimental Techniques

1. Beckmann model DB – Double Cell Spectrometer, IR (Perkin Elmer), NMR (Hitachi), X-ray diffractometers, Thermal analyzer, Four probe resistivity set-up, Glove box, etc.
2. Chemical analysis of ecological materials of water, soil and others.

Member Ship / Citation / Awards

1. Member of Indian Council of Chemists, Calcutta, India.
2. Member of Institution of Chemists, India.
3. Brief biographical note has been cited,
 - i) Reference Indian Vol. (1), 350 (1992)
 - ii) Biography International Vol. (10), 824 (1993)
 - iii) Indo-American Who's-Who, Vol. (1), 287 (1994)
 - iv) Indo-European Who's-Who, (1995)

Administrative/Organizational and other experiences

- ❖ **President** - Research Scholars Association, Mysore University, 1986-88.
- ❖ **Residential Warden** - (Assistant Warden), Jamuna Hostel, Indian Institute of Technology, Madras, 1989-91.
- ❖ **Founder Secretary** - Industrial Chemical Society, Dept. of Ind. Chemistry, Kuvempu University, 1992-93.
- ❖ **Convener** - Extracurricular activities, Kuvempu University, 1995-96.
- ❖ **Vice President** - Kuvempu University Teachers Association. 1997-98
- ❖ **Deputy Director** - Prasara (A Publication wing), Kuvempu University, 2002-05
- ❖ **Coordinator** - UGC refresher Course in Chemistry and Industrial Chemistry 2003-04.
- ❖ **Coordinator** - Distance Education in Chemistry 2004-05, 2007 – 08 and 2011- 12.
- ❖ **Director** - Prasara (A Publication wing), Kuvempu University, Jan-August 2006.
- ❖ **President** - Chemical Society, Dept. of Chemistry, Kuvempu University, Since 2006-till date.
- ❖ **Chairman** - Dept. of Bio-Chemistry, Kuvempu University, 2006-07.
- ❖ **Chairman** - Dept. of Chemistry, Kuvempu University, Since 2006-2009 and 2011-2013.
- ❖ **BOS Member** - In Autonomous colleges – Sahyadri Science College Shimoga, L. B. College, Sagara, 2006-08, Youraja's college (Autonomous) Mysore.
- ❖ **Member** - Secretary, Finance committee, Kuvempu University.
- ❖ **Member of BOE** - In Chemistry - Gulbarga, Mysore, Davanagere, Sri Krishnadevaraya University Bellary, Mangalore University.
- ❖ **Convener** - A two day national conference on “Emerging Areas in Chemical and Biological Sciences” NCACB-2007, held 23rd and 24th March 2007- Kuvempu University.
- ❖ **Convener** - A one day national seminar on “Nano Technology – Past, Present and Future” held on 4th April 2008.
- ❖ **Chairman** - BOS in Chemistry (PG) and Organic Chemistry (PG), Chemistry (UG), 5 year integrated course in Applied Chemistry (PG), Analytical Chemistry (PG), and Kuvempu University.
- ❖ **Coordinator** - Internal Quality Assurance Cell (IQAC) of Kuvempu University, from December 2011- December 2014.
- ❖ **Secretary** - Kuvempu University, Teachers Association, 2007-08 2010-2011, Vice President 2000-2001.

- ❖ **Chairman** - BOE in Chemistry (PG) Kuvempu University.
- ❖ **Convener** - For UGC sponsored one day lecture series on the Celebration of International year of Chemistry-2011, Kuvempu University, Shankaraghatta, 22nd October 2012.
- ❖ **Coordinator** - UGC-DRS-SAP (1st phase) sanctioned by UGC for 2009 to 2014.
- ❖ **Convener** - For two day national seminar on “Chemistry-Our life our future” (NCOF-2012), Kuvempu University, Shankaraghatta, 25th, 26th April, 2012.
- ❖ **Director** - School of chemical sciences, Kuvempu University since April-2012.
- ❖ **Dean** - Faculty of Science and technology, Kuvempu University Since December 2013.
- ❖ **Convener** - National conference on Recent Advances in Chemical Science Research (RACSR-2015), March-2015.
- ❖ **Finance officer** - Kuvempu University, June 2014–November 2015.
- ❖ **Chairman** - Dept. of Chemistry, Kuvempu University, Since January 2016- till to date.
- ❖ **Academic Council Member** - Kuvempu University, since 2007-2009 and 2011-till to date.
- ❖ **Worked as Chairman/Member** - In the various fact finding/enquiry committees constituted by Kuvempu University.
- ❖ **Member, Advisory committee** - Hostels, Kuvempu University.
- ❖ **Member, Advisory committee** - To the vice chancellor Kuvempu University, July 2010 till to date.
- ❖ **Member, Advisory committee** - University computational facility centre.
- ❖ **Member advisory committee** - University Library

List of candidates got Ph.D. and M.Phil awarded / Working

| Sl. No. | Name of the student | Title of the thesis | Year of award |
|----------------|----------------------------|---|----------------------|
| 01 | Dr. M.P. Somashekharappa | Studies on Metal phthalocyanine complexes | 2000 |
| 02 | Dr. K. R. Venugopala Reddy | Studies on some Transitional Metal phthalocyanine complexes | 2002 |
| 03 | Dr. K. C. Ramesh | Spectrophotometric investigation on some bioactive compounds of pharmaceutical interest | 2003 |
| 04 | Dr. V. H. Kulakarni | Chemically modified polymeric networks for the development of drug delivery devices | 2006 |

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|-----------|-------------------------|--|----------------|
| 05 | Dr. B. Ramesh | Synthesis and studies on some substituted pyrazole-pyrimidine heterocyclic compounds and their metal derivatives | 2006 |
| 06 | Dr. Vinod Mathew Mattom | Studies on synthesis, characterization and pharmacological activities of some 1,2,4-triazolo[3,4-b]-1,3,4-thiadiazole derivatives | 2007 |
| 07 | Dr. Mallikarjuna. H.R. | Synthesis and characterization of some novel azo dyes | 2009 |
| 08 | Dr. Jayaraju. J | Synthesis, characterization and drug release studies on some chitosan based polymer blends | 2009 |
| 09 | Dr. Harish. M. N.K | Synthesis and characterization studies of some tetra phthalocyanine complexes | 2010 |
| 10 | Dr. Preeti Kulakarni | Chemical Modification and evaluation of polymeric networks for the development of controlled drug delivery systems | 2010 |
| 11 | Dr. Sridhar A. H. | Synthesis and characterization of phthalic acid based azo dyes and their metal complexes | 2012 |
| 12 | Dr. Jithan kumar Rai B. | Studies on certain polymer matrices containing dithiocarbamate functional groups for metal ion extraction. | 2013 |
| 13 | Dr. Shoukat Ali. R. A | Synthesis and studies on oxadiazole substituted metal phthalocyanines | 2014 |
| 14 | Dr. Subramanya. K. Bhat | Chemical Modification and Characterization of biodegradable polymers and their applications for development of drug delivery systems | 2014 |
| 15 | Dr. Keerthi kumar.C.T | Synthesis and characterization of heterocyclic based azo dye | 2014 |
| 16 | Dr. Rajesh | Synthesis and characterization of heterocyclic substituted metal phthalocyanines | 2015 |
| 17 | Dr. Prasanna S.M | Synthesis, Characterization and application studies of novel thiazole based azo dyes and their metal complex | 2016 |
| 18 | Mr. Prashanth. A. G | Synthesis and studies on Nitrogen containing heterocyclic azo dyes and their metal complexes | Working |
| 19 | Mr. Harisha S | Synthesis, characterization and Electrochemical Investigation of sulphur based Azo dyes and their Metal Complexes | Working |
| 20 | Mr. Maliyappa M R | Synthesis, structural studies and biological investigation of benzothiazole incorporated azo dyes and their metal complexes | Working |
| 21 | Mr. Mallikarjuna N M | Synthesis and structural studies on azo dyes and their metal complexes | Working |

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|--------------------------|--------------------------|---|----------------|
| 22 | Mr. Ravi B N | Synthesis and Characterization on sulphur based azo dyes | Working |
| 23 | Mr. Vinod kumar | Synthesis and structural investigations on nitrogen based azo dyes | Working |
| 24 | Mr. Sathisha shastry K G | Synthesis and studies on 2,9,16,23-Symmetrically substituted metal (II) Phthalocyanines derivatives | Working |
| Ph.D. Co-Guidance | | | |
| 01 | Dr. Moinuddin Khan | Synthesis and characterization studies of some tetraphthalocyanine complexes | 2007 |
| 02 | Dr. Faziulla Khan | Synthesis and characterization studies of some octaphthalocyanine complexes | 2008 |
| 03 | Dr. Harish.S.M | Impact of different nutrient management practices on biochemical composition of Robusta Coffee | 2010 |
| 04 | Dr. Sridhar A.M. | Studies on the synthesis of heterocyclic with novel chromophores as potential crop protection chemicals | 2011 |
| M. Phil. Students | | | |
| 01 | Mr. Prashanth A.G | Synthesis and studies on azo dyes derived from toluic acid | 2009 |
| 02 | Mr. Shoukat Ali R. A. | Studies on synthesis and characterization of tetraanilide phthalocyanines of nickel | 2009 |
| 03 | Mr. Muruidhara. D.H | Synthesis and characterization of Novel azo dyes | 2011 |

List of Publications

1. B. N. Achar, G. M. Fohlen, J. A. Parker and **J. Keshavayya**. Organic semiconductors-metal phthalocyanine sheet polymers. *J. Polym. Sci. Part A, Poly. Chem.*, 25, 443 (1987).
2. B. N. Achar, G. M. Fohlen, J. A. Parker and **J. Keshavayya**. Synthesis and structural investigations of metal (II) 4, 9, 16, 23 – phthalocyanine tetra amines. *Polyhedron* 6(6), 1463 (1987).
3. B. N. Achar, G. M. Fohlen, J. A. Parker and **J. Keshavayya**. Preparation and structural investigations of Cu(II), Co(II), Ni(II) and Zn(II) derivatives of 2,9,16,23-phthalocyanine tetracarboxylic acids. *Ind. J. Chem.* 27A, 411(1988).
4. B. N. Achar, K. Basavayya, M. V. Krishnaswamy and **J. Keshavayya**. Spectrometric and conductometric investigations on the reaction between Fe(III) and Tiron. *J. Inst of chemistry*, 60, 142 (1988).
5. B. N. Achar, G. M. Fohlen, and **J. Keshavayya**. MS and GC-MS studies on phthalocyanine monomers. *J. Polym. Sci. Part A. Polym. Chem.*, 27, 2109 (1989).

6. B. N. Achar, **J. Keshavayya**, P. S. Bhavanishankar Gowda, S. Shankar Bhat, K. Gopala Marathe and C. J. M. D' Souza. Biological activity and staining property of metal phthalocyanine derivatives. *Proc. Indian National Science Academy. B* 58,(2,3), 196 (1992).
7. M. P. Somashekarappa and **J. Keshavayya**. Synthesis, magnetic, spectral and thermal studies on metal (II) – 1,8,15,22-tetranitro phthalocyanines. *Syn. & React. Inorg. / Metal org. Chem.* 29(5), 767-783 (1999).
8. M. P. Somashekarappa and **J. Keshavayya**. Synthesis and Structural studies of metal (II) – 1, 8, 15, 22 – tetraamino phthalocyanine. *J. of Saudi Chemical Society* 3(2), 113-119 (1999).
9. M. P. Somashekarappa and **J. Keshavayya**. Synthesis and structural investigations on 1,8,15,22 – tetrahydroxy phthalocyanines of Co(II), Ni(II), Cu(II) and Zn(II). *Orient. J. of Chem.*, 15(1) 65–70 (1999).
10. M. P. Somashekarappa and **J. Keshavayya**. Thermal degradation kinetics of metal (II) – 1,8,15,22 tetra amino, tetra hydroxy phthalocyanine. *J.T.R. Chem* 7(1), 4-9, (2000).
11. M. P. Somashekarappa and **J. Keshavayya**. Synthesis and structural investigation of tetra nitro, tetra amino, tetra hydroxy and tetra cyano iron (III) chlorophthalocyanine. *Syn. & React. Inorg. / Metal Org. Chem.*, 31(5), 811-828 (2001).
12. K. P. Latha, V. P. Vaidya, **J. Keshavayya** and H. M. Vagdevi. Synthesis, characterization and biological studies of complexes of 2-Acetyl naphthol [2, 1b] furan Hydrazone. *J. of Indian Council of Chemist* 18(1), 31 – 36 (2001).
13. Kunabevu C. Ramesh, Babu G. Gowda, Mahaveer B. Melwanki, Jaldappa Setharamappa and **Jathi Keshavayya**. Extractive spectrophotometric determination of antiallergic drug in pharmaceutical formulations using bromopyrogallol red and bromothymol blue. *Analytical Sciences*, 17 (1), 1101-1103 (2001).
14. M. P. Somashekarappa and K. R. Venugopala Reddy and **J. Keshavayya**. Synthesis, spectral and magnetic susceptibility studies on tetra chlorometal (II) phthalocyanines. *Kuvempu University Science Journal*. 1(1), 29-34 (2001).
15. K. R. Venugopala Reddy and **J. Keshavayya**. Synthesis, magnetic, spectral, and thermal studies on metal (II) 1,3,8,10,15,17,22,24 octaaminophthalocyanines, *Syn. & React. Inorg. / Metal Org. Chem.* 32(7): 1235 – 1244 (2002).
16. K. R. Venugopala Reddy and **J. Keshavayya**. Synthesis, magnetic, spectral, and thermal studies on metal (II) 1,3,8,10,15,17,22,24 octanitrophthalocyanines. *Turkish J. Chem.* 32(7), 1235–1244 (2002).
17. K. R. Venugopala Reddy and **J. Keshavayya**. Synthesis of symmetrically substituted phthalocyanine pigments and their characterizations. *Dyes and Pigments*, 53: 187 – 194 (2002).
18. K. P. Latha, V. P. Vaidya, **J. Keshavayya**, M. L. Vijay Kumar and C. S. Sreedhar. Synthesis, characterization and biological studies of metal complexes of 2- aryl naphtho(2,1-b) furan. *Science letters*, 25(5&6), 153-158 (2002).

19. M. P. Somashekarappa, **J. Keshavayya**, and S. Sampath. Self assembled molecular films of tetra amino metal (Co, Cu, and Fe) phthalocyanines on gold and silver electrochemical and spectroscopic characterization. *Pure appl. and Chem.* 74(9), 1609-1620 (2002).
20. Basavaraj S. Nagarahalli, Jaldappa Seetharamappa, Mahaveer B. Melwanki, Kunabevu C. Ramesh, and **Jathi Keshavayya**. Spectrometric investigation of the assay of physiologically active catecholamine's in pharmaceutical formulations, *J. of AOAC International*, 85(6), 1288 – 1292, (2002).
21. K. C. Ramesh, M. B. Mellwenki, B. G. Gowda, J. Setharamappa, and **J. Keshavayya**. A new spectrometric method for the determination of citrazine hydrochloride in pharmaceutical preparations in biological solutions. *Ind. J. Pharm. Sci.*, 64(5), 455 – 458 (2002).
22. K. C. Ramesh, J. Setharamappa, and **J. Keshavayya**. Spectrometric investigations on assay of phenothiazine drugs. *Ind. J. Pharm. Sci.*, 64(6), 603 – 606, (2002).
23. M. P. Somashekarappa, **J. Keshavayya** and B. S. Sherigara. Synthesis spectroscopic investigation of iron(III) complexes with chlorides and dianionic, symmetrically halogen substitutes phthalocyanines as a ligands. *Spectrochemica acta part A*: 883 – 893 (2003).
24. K. V. Gururaj, A. H. Manjunatha Reddy, **J. Keshavayya** and S. V. Krishnamurthy. Habitate occupancy and factors influencing the restricted distribution of *Nyctibatrachus major* (Boulenger) in central western ghats, India. *Russian J. of Herpetology*. 10(2), 87-92 (2003).
25. K. R. Venugopla Reddy, **J. Keshavayya** and J. Seetharamappa. Synthesis, spectral, magnetic and thermal studies of symmetrically substituted metal (II) 1,3,8,10,15,17,22,24-octachlorophthalocyanines. *Dyes and Pigments*, 59, 237-244 (2003).
26. K. C. Ramesh, B. G. Gowda, J. Setharamappa, and **J. Keshavayya**. Indirect spectrometric determination of piroxican and propanol hydrochloride in bulk and pharmaceutical preparation. *J. Anal. Chem. (Russia)*, 58(10) 1048 – 1053 (2003).
27. K. C. Ramesh, B. G. Gowda, J. Setharamappa, and **J. Keshavayya**. Spectrometric determination of pormethazine hydrochloride in pharmaceutical formulation. *Ind. J. Pharm. Sci.*, 64(4), 422 – 435 (2003).
28. B. G. Gowda, M. B. Mellwenki, K. C. Ramesh, J. Setharamappa, and **J. Keshavayya**. Spectrometric determination of isoniazid in pure and pharmaceutical formulations. *Ind. J. Pharm. Sci*, 65(1), 86 – 90 (2003).
29. M. P Somashekarappa, M. N. K. Harish and **J. Keshavayya**, K. R. Venugopala Reddy. Thermal degradation kinetics of some symmetrically tetra substituted iron (III) chloro phthalocyanine. *J. T. R. Chem.* 11(1), 1-11, (2004).
30. K. P. Latha, V. P. Vaidya and **J. Keshavayya**. Comparative studies on complexes of 2-Acetyl [2a-b] furan and 2-Benzoyl [2a-b] furan oximes. *Synth. & React. Inorg. Metal. Org. Chem.* 34(4), 667-686 (2004).

31. V. H. Kulkarni, **J. Keshavayya**, C. S. Shastry and P. V. Kulkarni. Transdermal delivery of turbutaline sulphate through modified chitosan membrane. *Ind. J. Pharm. Educ*, 35(4), 189 – 190 (2004).
32. M. P. Somashekarappa, K. R. Venugopala Reddy, M. N. K. Harish and **J. Keshavayya**. Synthesis, spectral and magnetic susceptibility studies on tetra chloro metal phthalocyanines. *J. of Molecular structure*, 753, 190-194 (2005).
33. Anandrao R. Kulkarni, Venktrao H. Kulkarni, **J. Keshavayya**, Vijay Kumar, I. Hukkeri, Hsing-Wen Sung. Antimicrobial activity and film characterization of thiazolidinone derivatives of Chitosan. *Macromolecular Bioscience*, 5, 490 – 493 (2005).
34. V. H. Kulkarni, J. Keshavayya, C. S. Shastry and P. V. Kulkarni. Transdermal delivery of anti-asthmatic drug through modified chitosan membrane. *Ind. J. Pharm. Sci.*, 67(5), 544-547 (2005).
35. M. H. Moinuddin Khan, Fassiulla, M. N. K. Harish and **J. Keshavayya**, K. R. Venugopala Reddy. Synthesis, structural investigations and biological studies on symmetrically substituted 1,8,15,22-tetra iminophthalocyanine pigments. *J. T. R. Chem.*,13(1), 70-80 (2006).
36. J. Jayaraju, S. D. Raviprakash, **J. Keshavayya**, and S. K. Rai. Miscibility studies on Chitosan/hydroxyl propyl methyl cellulose blend in solution by viscosity, ultrasonic velocity, density, and refractive index methods. *J. of Applied Polymer Science*, 102, 2738-2742 (2006).
37. V. Mathew, **J. Keshavayya**, V. P. Vaidya. Heterocyclic system containing bridgehead nitrogen atom: synthesis and pharmacological activities of some substituted 1,2,4-triazolo[3,4-b]-1,3,4-thiadiazoles. *European. J. of Medicinal Chemistry*, 41, 1048-1058 (2006).
38. J. Jayaraju, K. C. Basavaraju, **J. Keshavayya**, and S. K. Rai. Viscosity, ultrasonic, and refractometric studies of chitosan/polyethylene glycol blend in solution at 30, 40, and 50° C. *J. of Macromolecular Sciences Part B: Physics*, 45, 741-751(2006).
39. M. H. Moinuddin Khan, Fassiulla, M.N. K. Harish, **J. Keshavayya**. K. R. Venugopala Reddy. Synthesis, structural investigations and biological studies on symmetrically substituted 4,4', 4'', 4'''-tetra-methoxyphelimino phthalocyanine complexes. *J. of coordination chemistry*, 60(12), 1255-1267 (2007).
40. Preeti V. Kulkarni **J. Keshavayya** , Venkatrao H. Kulkarni Effect of method of preparation and process variables on controlled release of insoluble drug from chitosan microspheres. *Polymers for advanced technologies*, 18(10), 814 – 821 (2007).
41. Vinod Mathew, **J. Keshavayya**, V.P. Vaidya, D. Giles. Studies on synthesis and pharmacological activities of 3,6-disubstituted-1,2,4-triazolo[3,4-b]-1,3,4-thiadiazoles and their dihydro analogues, *European J. of Medicinal Chemistry*, 42, 824-840 (2007).
42. K. R. Venugopala Reddy, M. N. K. Harish, Fassiulla and M. H. Moinuddin Khan, **J. Keshavayya**, Synthesis, spectral, magnetic, and thermal studies on symmetrically substituted metal (II) 1,3,8,10,15,17,22,24 octafluorophthalocyanines. *Journal of fluorine chemistry*, 126, 1019–1025, (2007).

43. V. H. Kulkarni, P.V. Kulkarni, **J. Keshavayya**. Gluteraldehyde crosslinked Chitosan beads for controlled release of Diclofenac Sodium. *J. of Applied Polymer Science*, 103,211-217(2007).
44. Vinod Mathew, **J. Keshavayya** and V. P. Vaidya Synthesis, Characterization and Pharmacological Activities of 3,6-Disubstituted-1,2,4-triazolo [3,4-*b*]-1,3,4-thiadiazoles and their Dihydro Analogues. *E-Journal of Chemistry*, 3, 320 – 342 (2007).
45. Ramesh B, Bharathi D. R and **J. Keshavayya**. Enhancement in the synthesis of 4-(substituted)-2-mercapto-5-cyano-6-oxo-1,6-dihydropyrimidines by microwave induced organic reaction and their antimicrobial activity. *J. Pharm. Res.* 6(4), 241-243 (2007).
46. Fassiula M. H. Moinnuddin Khan, M.N. K. Harish, **J. Keshavayya**. K. R. Venugopala reddy. Synthesis, spectral, magnetic and antifungal studies on symmetrically substituted metal(II)octaiminophthalocyanine pigments, *Dyes and Pigments*,76, 557-563 (2007).
47. J. Jayaraju, **J. Keshavayya**, S. K. Rai and Shetty Ravindra Rama. Studies on the Miscibility of Chitosan/Poly(vinyl alcohol) blends in solution by viscometry, Ultrasonic Velocity, Density and Reractometry Techniques at 30, 40, and 50° C. *J. of Macromolecular Sciences Part B: Physics* 47, 296 –304 (2008).
48. J. Jayaraju, **J. Keshavayya**, S. K. Rai and K. C. Basavaraju. Miscibility studies on Chitosan/Poly(vinyl alcohol) blends. *J. of Macromolecular Sciences Part A: Pure and Applied Chemistry*, 45, 271- 275, (2008).
49. Moinnuddin Khan M.H, Venugopala Reddy K.R. **J. Keshavayya**, Fasiulla, Devappa. S. Lamani Synthesis and Structural Investigation of Symmetrically Substituted 2, 9, 16, 23-Tetra phenylnoththalocynines. *Journal of Kuvempu. Uni.Sci*, 79-87 (2008).
50. M. H. Moinnuddin khan, Fasiulla, **J. Keshavayya**, and K. R. Venugopala Reddy Synthesis, structural investigations and biological studies on symmetrically substituted 3, 3', 3'', 3'''- tetra-methoxyphenylimino phthalocyanine complexes. *Russian Journal of Inorganic Chemistry*, 53(1) 68-77 (2008).
51. Al-Kahtani Ahmed, J. Jayaraju, B. S. Sherigara, H. S. Bhojya Naik, **J. Keshavayya** Miscibility studies of dextran/poly(vinyl pyrrolidone) blend in solution. *J. of Macromolecular Sciences, Part A*, 45, 1055-1063 (2008).
52. M. H. Moinnuddin khan, K. R. Venugopala Reddy and **J. Keshavayya** Synthesis, spectral, magnetic, thermal and antibacterial studies on symmetrically substituted 1,8,15,22-tetra-hydroxyphenylimino phthalocyanine complexes. *Inorganic Chemistry An Indian Journal*.3(1), 36-34 (2008).
53. K. R. Venugopala Reddy, **J. Keshavayya** B.E. Kumara Swamy M. N. K .Harish H. R. Mallikarjuna, and B. S. Sherigara Spectral and Electrochemical Investigations on Octa nitro substituted Metal Phthalocyanines. *Dyes and Pigments*. 80, 1-5 (2009).

54. M. H. Moinuddin Khan, K. R. Venugopala Reddy and **J. Keshavayya** Synthesis, spectral, magnetic, thermal and antibacterial studies on symmetrically substituted 1,8,15,22-tetra-phenylpropene-1-imino phthalocyanine. *J. of Coordination Chemistry*, 62 (5), 854-862 (2009).
55. Sudhir Ramswamy Illiger, Chandralekha Fadnis, T. Demappa, J. Jayaraju, J. Keshavayya, Miscibility studies of HPMC/PEG blends in water by viscosity, density, refractive index and ultrasonic velocity method. *Carbohydrate polymers*, 75, 484-488. (2009).
56. Mathew V. Giles D. **Keshavayya J.** Vaidya V.P. Studies on synthesis and pharmacological activities of 1,2,4- triazolo[3,4-b]1,3,4-thiadiazoles and their dihydro analogues. *Archiv der Pharmazie*, 342 (4), 210-222 (2009).
57. Moinuddin Khan, M.H., Venugopala Reddy, K.R., **Keshavayya, J.** Synthesis, spectral, magnetic, thermal and antibacterial studies on symmetrically substituted 1,8,15,22-tetra-phenylpropene-1-iminophthalocyanines. *Journal of Coordination Chemistry*, 62 (5), 854-862 (2009).
58. Preethi V Kulkarni, **Jathi Keshavayya**. Preparation and Evaluation of Polyvinyl Alcohol Transdermal membrane of Salbutamol. *International Journal of Pharmacy and Pharmaceutical Sciences*, 2(2),13-16 (2010).
59. M. N. K. Harish, **J. Keshavayya**, K.R. Venugopala Reddy; H. R. Mallikarjuna; R.A. Shoukat Ali; T. Rajesh, Decorating nickel phthalocyanine periphery by aryl-1,3,4-oxadiazole pendants: synthesis, characterization, and conductivity studies. *Journal of Coordination Chemistry*, 63(23), 4050–4060 (2010).
60. A.M. Sridhara, K. R Venugopala Reddy, **J. Keshavayya**, B. Chidananda, Yaragola Prasad, G. Satish Kumar, S.G. Vadiraj, Prosenjit Bose, Sanath Kumar Goud , S.K.Peethambar. Synthesis and antimicrobial activity of phthalazine substituted 1,2,4-triazolo-[3,4-*b*]-1,3,4-thiadiazoles and 7*H*-[1,2,4]triazolo[3,4-*b*][1,3,4]thiadiazines, *Der Pharma Chemica*, 2(5), 201-211 (2010).
61. Ajjanna M. Sridhara, Kallam R. Venugopala Reddy, **Jathi Keshavayya**, Palusa Sanath Kumar Goud, Bankavadi C. Somashekar, Prosenjit Bose, Sanenahalli K. Peethambar, Satish Kumar Gaddam, Synthesis and antimicrobial activity of 2-substituted [4-(1,3,4-oxadiazol-2-yl methyl)] phthalazin-1(2*H*)-one derivatives, *European Journal of Medicinal Chemistry*, 45, 4983-4989 (2010).
62. M. N. K. Harish, **J. Keshavayya**, K.R, Venugopala Reddy; H. R. Mallikarjuna. Designing nickel phthalocyanine periphery by alkyl chain via [1,3,4]- Oxadiazole. *Journal of Coordination Chemistry*, 64(12), 2075–2087 (2011).
63. Shoukat Ali.R.A, **J. Keshavayya**, M.N.K.Harish, Shridhar.A.H, Rajesha.T and Prashantha. A.G., Synthesis and Studies on 2,9,16,23-tetra anilido nickel (II) Phthalocyanines, *International Journal of Chem Tech Research*, 3(3), 1145-1151 (2011).
64. Fasiulla, Venugopala Reddy K. R, Moinuddin Khan. M. H and **Keshavayya. J.** Synthesis, Spectral, Magnetic Susceptibility and Antifungal Studies On Symmetrically Substituted Metal (II) Octafuryl methanimine Phthalocyanine, *Der Pharma Chemica*, 3(2), 392-403 (2011).

65. Ajjanna M. Sridhara, Kallam R. Venugopala Reddy, **Jathi Keshavayya**. Dasannana Malige S. Ambika, Vadiraj S. Gopinath, Prosenjit Bose, Sanath Kumar Goud and Sanenahalli K. Peethambar, Synthesis, Antimicrobial and Cytotoxicity Studies of Some Novel Modified Strobilurin Derivatives. *J. Braz. Chem. Soc*, 22 (5), 849-856 (2011).
66. Ajjanna M Sridhara, Kallam R Venugopala Reddy, **Jathi Keshavayya**. Suphala G Vadiraj, Prosenjit Bose, D.S. Ambika,Ch. Krishnam Raju, S. Shashidhara, N. Hanumantha Raju, Synthesis, Antimicrobial And Cytotoxicity Studies of Some Novel Phthalazine-Methoxyacrylate Derivatives, *Journal of Pharmacy Research*, 4(2),496-500 (2011).
67. Shiridhar A.H, **J. Keshavayya**, Joy Hoskeri H., Synthesis, characterization and pharmacological studies of novel bis 1,3,4-oxadiazole and 1,2,4-triazole derivatives, *Der Chemica Sinica*, 2(4), (2011) 106-114.
68. G.Anantharam, M.N.K.Harish, Y.Arthob Naik, **J. Keshavayya** and K.R.Venugopala Reddy. High performance liquid chromatographic analysis for determination of eprosartan mesylate in bulk drug. *J.Chem. Pharm. Res*, 3(6), 945-949 (2011).
69. Fasiulla K.R., Reddy Venugopala, **Keshavayya J**, Moinuddin Khan M.H, Anitha and Vittala Rao. Synthesis, structural investigations and antifungal studies on symmetrically substituted metal(II) octa-1-(3-chlorophenyl)methanimine phthalocyanine, *Res.J. Chem.Sci*, 1(9), 29-36 (2011).
70. Subramanya K. Bhat, **J. Keshavayya**, Venkatrao H. Kulkarni. Venugopala K. R. Reddy, Preeti V. Kulkarni, Anandrao R. Kulkarni, Preparation and Characterization of Crosslinked Chitosan Microspheres for the Colonic Delivery of 5-Fluorouracil. *J. of Applied Polymer Science*, 125 (3), 1736-1744 (2012).
71. Shridhar. A. H, **J. Keshavayya** and Joy Hoskeri. H. Synthesis of 1,3,4-oxadiazole incorporated azo dye derivatives as a potent biological activity molecules, *International Journal of Pharmacy and Pharmaceutical Sciences*, 4(2), 386-390 (2012).
72. A.H. Shridhar, **J. Keshavayya**, H. Joy Hoskeri and R. A. Shoukat Ali. Synthesis of Some Novel Bis 1,3,4-Oxadiazole Fused Azo Dye Derivatives as Potent Antimicrobial Agents. *International Research Journal of Pure & Applied Chemistry*, 1(3), 119-129 (2011).
73. Jithan Kumar Rai, **J.Keshavayya**, S.K. Rai. A New Method for the Estimation of Dithiocarbamates using Vapodest. *International Journal of ChemTech Research*, 4(3), 867-869 (2012).
74. A.H. Shridhar **J. Keshavayya**, **S.K.** Peethambar, H. Joy Hoskeri. Synthesis and biological activities of Bis alkyl 1,3,4-oxadiazole incorporated azo dye derivatives. *Arabian Journal of Chemistry*. 9(2), 1643-1648, 2012 – In Press (2017-Online availability).
75. R.Vishwanath, T. G. Venkatesh, Y.Arthob Naik, **J.Keshavayya** and K.R.Venugopala Reddy. A Hybrid Electrochemical-adsorption Method for the Removal of Levafix Yellow CA, *Invent Rapid: Water & Environment*, 2 , (2012).

76. Subramanya K. Bhat, **J. Keshavayya**, Venkatrao H. Kulkarni, Venugopal K. R. Reddy, Preeti V. Kulkarni, and Anandrao R. Kulkarni. Preparation of pH sensitive Chitosan Microspheres for the targeted delivery of 5-Fluorouracil. *Kuvempu University Science Journal*, 4, 154-162 (2012).
77. G. Anantharam, M.N.K.Harish, Y.Arthob Naik, **J. Keshavayya** and K. R. Venugopala Reddy. Liquid chromatographic method for the determination of enantiomeric purity of Levobetaxolol by Chiral Chromatography, *Journal of Chemistry Pharmaceutical Research*, 4(1), 586-591 (2012).
78. Shoukat ali . R. A, **J.Keshavayya**, Rajesha.T, Keerthi Kumar C.T, and Prashantha. A. G. Synthesis and characterization of 2, 9, 16, 23- oxadiazole substituted copper (II) phthalocyanines. *International Journal of Macromolecular Science*. 3(1), 1-5 (2013).
79. Keerthi Kumar C.T, **J.Keshavayya**, Rajesh.T and S.K. Peethambar. Synthesis, Characterization and biological activity of heterocyclic azo dyes derived from 2 aminobenzothiozole. *International Journal of Pharmacy and Pharmaceutical Sciences*, 5(1), 296-301 (2013).
80. Fasiulla K.R., Reddy Venugopala, **Keshavayya J**, B. Chandrashekar Kumar, Anitha and Vittala Rao. Synthesis, structural Investigations studies on symmetrically substituted metal (II) 1, 3, 8, 10, 15, 17, 22, 24-octa-1-(3-nitrophenyl) methaniminephthalocyanine. *Journal of Chemical and Pharmaceutical Research*. 5(1), 205-212 (2013).
81. Fasiulla,K.R. Venugopala Reddy, **J.Keshavayya**, B. Chnadreshekhar Kumar. Synthesis, Characterization of Symmetrically Substituted Metal (II) Octa-1- (3-bromophenyl) Methanimine Phthalocyanine. *Chemical Science Transactions*, 2(3), 761-770 (2003).
82. Fasiulla, ,K.R. Venugopala Reddy, **J.Keshavayya**, B.Chandreshekhar Kumar,Anitha and Vittal Rao. Synthesis, Structural Investigations Studies on Symmetrically Substituted metal (II) 1,3,8,10,15,17,22,24-octa-I-(3-nitrophenyl) methaniminephthalocyanine, *Journal of Chemical and Pharmaceutical Research*, 5(1), 205-212 (2013).
83. Subramanya K. Bhat, **J. Keshavayya**, Venkatrao H. Kulkarni, Venugopal K. R. Reddy, Anandrao R. Kulkarni and Preeti. V. Kulkarni. Preparation, characterization and in-vitro release studies of enteric coated gelatin capsules containing guar gum microspheres for targeted delivery of 5-fluorouracil to colon. *Der Pharma Chemica*, 5(3), 221-231(2013).
84. C. T. Keerthi Kumar, **J. Keshavayya**, T. Rajesh, S.K. Peethambar and R. A. Shoukat Ali. Synthesis, Characterization and Antimicrobial Activity of Heterocyclic Azo dyes Derived from Thiadiazole. *Chemical Science Transactions*, 2(4), 1346-1351 (2013).
85. Chinnagiri T. Keerthi Kumar, **Jathi Keshavayya**, Tantry N. Rajesh, Sanhalli K. Peethambar and Angadi R. Shoukat Ali. Synthesis, Characterization, and Biological Activity of 5-Phenyl-1,3,4-thiadiazole-2-amine Incorporated Azo Dye Derivatives. *Organic Chemistry International*, 1-7, (2013).
86. Savanor Prasanna M., **Jathi Keshavayya**, Bhat Subramanya K. and Tantry Rajesh N. Synthesis, Characterization and Solvatochromic studies of 3-{2-(5-Bromothiazol-2-yl) diazeny 1}-4-Bromopyridine-2, 6-Diamine. *Res. J. Chem. Sci*, 3(8), 38-43 (2013).

87. Shoukat Ali. R. A, **J. Keshavayya**, Prasanna. S. M, Rajesha and Keerthi Kumar. C. T. Synthesis and characterization of novel derivatives of oxadiazole substituted metal (II) phthalocyanines. *Archives of Applied Science Research*, 5 (2), 189-196 (2013).
88. Tantry Rajesh N, **Jathi Keshavayya**, Harish M.N.K, Angadi Shoukat Ali R, and Chinnagiri Keerthi Kumar T. Synthesis, Spectral and Thermal degradation Kinetics studies of Benzimidazole substituted Metal phthalocyanine through oxadiazole Bridge (M=Co,Ni,Cu). *Res. J. Chem. Sci*, 3(11), 36-46 (2013).
89. Prasanna M Savanor, **Keshavayya Jathi**, Rajesha and Shoukat Ali R A., Synthesis, characterization and solvatochromic spectra of novel thiazole based azo dye. *Der Chemica Sinica*, 4(4), 49-54 (2013).
90. Tantry Rajesh N., **Jathi Keshavayya**, Harish M.N.K., Angadi Shoukat Ali R, and Chinnagiri Keerthi Kumar T. Synthesis and Characterization of Tetraformamido [2-amino-5-(phenyl) thiazole] substituted metal Phthalocyanines. *Res. J. Chem. Sci*, 4(1), 1-6 (2014).
91. Harisha S, **Jathi Keshavayya**, Sameer R Patil, Maliyappa M R. Synthesis, Characterization and Antibacterial activity of new disperse Azo dyes derived from 2- amino 6-methoxy Benzothiazole. *Asian Journal of Biochemical and Pharmaceutical Research*, 5(3), 82-100 (2015).
92. Shoukat Ali R A and **J Keshavayya**. Thermal and X-Ray diffraction studies of Furan substituted metal phthalocyanines. *Chemical Science Review and Letters*, 5(18), 44-51 (2016).
93. Keerthikumar C. T, **J Keshavayya**, Ravi B. N and Sameer R Patil. Synthesis, Characterization and Biological Studies of Azobenzothiazole Derivatives. *International Journal of Innovative Research and Development*. 5(11), 13-18, 2016.
94. Harisha S, **Jathi Keshavayya**, Kumara Swamy B E and Viswanath C C. Synthesis, Characterization and Electrochemical studies of azo dyes derived from Barbituric acid. *Dyes and Pigments*, 136, 742-753 (2017).

Conferences / Workshops Attended

1. Attended a workshop on Interaction of Research Activities in Industries and Academic Institutions in India, June 3rd –5th, 1992 - Ramnarian Ruia College, Bombay.
2. Attended UGC Refresher course in Chemistry held at IISc, Bangalore during Jan. 1993.
3. Attended a discussion meeting in “Macro cyclic Compounds” held at Jawaharlal Neheru Centre for Advanced Scientific Research, IISc, Bangalore from Aug. 10-11th 1993.
4. Attended an International Training Course in “Frontier Areas of Organic Synthesis “ sponsored by United Nations Industrial Development Organization (UNIDO), Vienna, Austria, International Centre for Science and High technology (ICS), Trieste and Italy at IISc Bangalore from Dec. 8 to 18th, 1993.
5. Attended a workshop on “Users meeting on Microtron facilities” during 30-31st Dec.1996 at Mangalore university.

6. Attended a workshop on “Selected Topics in Material Science and Solid State Chemistry” during Jan. 14-18, **1997** at Mangalore University sponsored by Jawaharlal Nehru Center for Advanced Research, IISc Bangalore and Mangalore University.
7. Attended a Regional Training Program on Spectroscopy from 1st to 13th Jan. **2001** at IIT madras sponsored by UNESCO New Delhi.
8. Attended a short Course on How to Develop, Validate and Trouble shoot GC methods on 5th Sep. **2001** at Bangalore sponsored by American Chemical Society, Chromatographic Society of India and Aligent Technologies.
9. 88th Session of Indian Science Congress held at Indian Agricultural Research Institute New Delhi from Jan 3rd to 7th **2001**.
10. 38th Annual Convention of Chemists-held at Jodhpur University, Rajasthan from 26th –29th Dec. **2001**.
11. 20th conference of ICC held at Mysore University during 22nd – 24th Dec. **2001**.
12. 21st Conference of Indian Council of Chemists held at Rani Durgavathi University, Jabalpur, and Madhya Pradesh, India. From 24th to 26th October **2002**.
13. National Symposium on Current Trends in Inorganic Chemistry hosted by Dept. of Applied Chemistry, Cochin University of Science and Technology from 15th to 17th March **2004**.
14. National Seminar on Frontiers in Chemistry from 24 to 25th March **2006** organized by Dept. of Applied Chemistry, Cochin University of Science and Technology, Kochi.
15. National Conference on Chemical Sciences for Industry and Society, Emerging trends for the third millennium from Jan 06 to 08, **2006** held at Kuvempu University.
16. UGC-SAP National Seminar on Recent Trends in Synthetic and Polymer Chemistry organized by Dept. of Chemistry, Himachal Pradesh University, Summer Hill Shimla from December 5-6, **2006**.
17. Participated in “5th Science Conclave/INSPIRE Internship Program” sponsored by MHRD-DST, Govt. of India, India, held from December 8-14, **2010** at India Institute of Information Technology (IIIT), Allahabad, Uttar Pradesh.
18. Participated in an workshop on “Environmental stability through Preservation and Restoration of Ecological Balance” on 29th and 30th October **2010** at College of Forestry (University of Agriculture Sciences, Dharwad), Sirsi, Uttara Kannada.
19. MHRD and DST sponsored 4th Science Conclave–2011 held at Indian Institute of Information Technology, Allahabad during 26th Nov 2011 to 2nd Dec **2011**.
20. Participated in a three days workshop on “Scientific/Research Paper Writing” organized by The National academy of Sciences, India (NASI) from June 8-10, **2012** at Central Institute of Fisheries Education-CIFE, Mumbai.
21. Participated in ‘School on analytical Chemistry (SAC-6) organized by Association of Environmental analytical Chemistry of India (AEACI), Analytical Chemistry Division, BARC, Mumbai–400085 during 13th to 20th May, **2013**.

22. Attended Two Days workshop on NMR held on 11th and 12th December **2014** at Indian Institute of Science (IISc), Bangalore.
23. Attended One Day National Level Seminar on Advances and Challenges in Biological Research held on 1^{7th} March **2016** at Kuvempu University, Shankaragatta, Shimoga.
24. Participated in National Workshop on Radiochemistry & Application of radioisotopes, held at Rani Channamma University, Belagavi on 20th – 26th September **2016**.
25. Attended International Conference on Green Chemistry & Nanotechnology Opportunities and Challenges-2017 held at St.Aloysius College, Mangalore. 27th -28th February, **2017**

Papers Presented at conferences

1. **J. Keshavayya**, G. V Subba Rao and U. V. Varadaraju. New fast ionic conductors of LISICON family. Proc. Of Solid State Symp. Solid State Physics. VI. 32C 98 (1989), IIT, India,
2. G. V. Subba Rao, **J. Keshavayya** and U. V. Varadaraju. Strategies for search for new oxides superconductors and studies on Ba(1-x)Kx MoO₃ of International Conference On Transp. Of Superconductors, Ed. R. Nicolisky, **World. Scie., Singapor 520 (1990)**.
3. Mass spectral studies of phthalocyanine monomers- Presented at 75th **Indian Science Congress Association** held at Bangalore, **3rd –8th Jan, 1986**, B. N. Achar and **J. Keshavayya**.
4. **J. Keshavayya** and B. N. Achar. Synthesis and spectral investigation of Copper (II)–2,9,16,23-tetrahalo and tetra hydroxy phthalocyanines – presented at 21st Annual conference of **ICC**, held at **Warrangal, (AP) from 28th – 30th Dec. 1993**.
5. **J. Keshavayya**, P. Vasudav and B. N. Achar. Synthesis, structure and biological studies on Cu(II) – 2,9,16,23,-tetrahalo and tetra hydroxy phthalocyanines – Presented at 13th Annual conference of **ICC** held at Jammu **24-26th Oct., 1994**.
6. **J. Keshavayya** and B. N. Achar. Preparation and structural investigations of Ni(II)- –2,9,16,23,-halo phthalocyanines – presented at **New Vistas in Chemical Sciences** held at Hydrabad, on **19-20th March, 1995**
7. **J. Keshavayya**, and B. N. Achar. Synthesis and characterization of Cu(II) –2,9,16,23,-tetra hydroxy phthalocyanines – presented at **33rd Annual Convention** held at Coimbatore from **26-29th Aug, 1996**.
8. M. P. Somshekarappa, **J. Keshavayya**, and B. N. Achar. Synthesis, spectral and thermal studies on Zn(II) –2,9,16,23,-tetrahalo phthalocyanines – Presented at 16th Annual conference of **ICC** held at Mangalore University **29-31st Dec., 1997**.
9. M. P. Somshekarappa, and **J. Keshavayya**. Studies on symmetrically substituted tetrahydroxy metal phthalocyanines presented at 17th Conference of **ICC** held at **Madras University** during **26th –28th Nov. 1998**.

10. M. P. Somshekarappa, **J. Keshavayya**. Synthesis and studies on symmetrically tetra substituted iron phthalocyanines presented at 18th Conference of **ICC** held at Jalgaon North Maharashtra University, during **27th to 29th Dec. 1999**.
11. K. R. Venugopala Redy, and **J. Keshavayya**. Synthesis, magnetic, spectral and thermal studies on metal (II) 1,3,8,10,15,17,22,24-octanitrophthalocyanines present at 19th conference of **ICC** held at **Kuvempu University** from **27th to 29th Nov. 2000**.
12. K. C. Ramesh and **J. Keshavayya**. Spectrophotometric determination of iridium (III) using Pyroxicam presented at 19th Conference of **ICC** held at Kuvempu University from **27th to 29th Nov. 2000**.
13. M. P. Somshekarappa, K. R. Venugopala Reddy and **J. Keshavayya**, Synthesis and structural studies on 1,8,15,22 tetra bromo metal(II)[M=Cu, Co, Ni, and Zn] phthalocyanines presented in 88th Session of **Indian Science Congress** held at Indian Agricultural Research Institute New Delhi from **Jan, 3rd to 7th 2001**.
14. K. R. Venugopala Reddy and **J. Keshavayya**. Synthesis and structural investigations of metal(II) 1,3,8,10, 15,17,22,24-octaaminophthalocyanines Presented at 38th **Annual Convention of Chemists**-held at Jodhpur University Rajasthan from **26th –29th Dec. 2001**.
15. K. R. Venugopal Reddy and **J. Keshavayya**. Synthesis and structural investigations on metal-octa substituted bromo phthalocyanines presented at 20th conference of **ICC** held at Mysore University during **22nd – 24th Dec. 2001**.
16. K. R. Venugopala Reddy and **J. Keshavayya**. Synthesis, Spectral, Magnetic and Thermal Studies on Symmetrically Substituted Metal(II) 1,3,8,10,15,17,22,24-octachlorophthalocyanines at the 21st Conference of **Indian Council of Chemists** held at Rani Durgavathi University, Jabalpur, Madhya Pradesh, India. From **24th to 26th Oct, 2002**.
17. K. R. Venugopala Reddy and **J. Keshavayya**. Synthesis and Structural investigations on octa substituted metal (II) 1,3,8,10,15,17,22,24-fluro phthalocyanines at the **22nd Conference of Indian Council of Chemists** held at IIT Roorkee, Uttranchal, India from **17th to 19th Oct, 2003**.
18. M. P. Somashekarappa K. R. Venugopala Reddy and **J. Keshavayya**. Synthesis and Characterization of Metal (II) 1,8,15,22 tetra Cyanophthalocyanines at the Conference of **Indian Council of Chemists** held at IIT Roorkee, Uttranchal, India from **17th to 19th Oct, 2003**.
19. K. R. Venugopala Reddy and **J. Keshavayya**. Synthesis and structural studies on symmetrically substituted Metal(II)1, 3,8,10,15,17,22,24-octaiodo phthalocyanines, Presented at **National Symposium on Current Trends in Inorganic Chemistry** hosted by Dept. of Applied Chemistry, Cochin University of Science and Technology from **15th to 17th March 2004**.
20. M. H. Moinuddin Khan, **J. Keshavayya**. And K. R. Venugopala Reddy. Synthesis, Spectral, Magnetic and Biological studies on Symmetrically Substituted Metal(II)-Tetra Iminophthalocyanines in an International conference on Chemistry biology interface: **Synergistic new Frontiers** from **21st to 26th November 2004** held at Vigyan Bhavan New Delhi.

21. M. H. Moinuddin Khan, Fasiulla, G, Malatheshappa, **J. Keshavayya** and K. R. Venugopala Reddy. Synthesis, Spectral, Magnetic and Biological studies on Symmetrically Substituted Metal(II) 2,9,16,23-Tetra Iminophthalocyanines at the 23rd Conference of **Indian Council of Chemists** held at K.C College, Mumbai, India from **29th to 31st Oct, 2004**.
22. Fasiulla, M. H. Moinuddin Khan, Harish M. N. K, **J. Keshavayya** and K. R. Venugopala Reddy. Synthesis, Spectral, Magnetic and Biological Studies on Symmetrically substituted Metal(II) 1,3,8,10,15,17,22,24-octaiminophthalocyanine Pigments at the **24th Conference of Indian council of Chemists** held at Birla Institute of Technology, Mesra, Ranchi (Jharkhand) From **16-18th December 2005**.
23. M. H. Moinuddin Khan, H. S, Anil Kumar, Fasiulla, Harish M. N. K, **J. Keshavayya** and K. R. Venugopala Reddy. Synthesis, Structural Investigations and Biological Studies on Symmetrically Substituted Metal(II) 2,9,16,23-Tetrahydroxy–Iminophthalocyanine Complexes at the **23rd Conference of Indian council of Chemists** held at Birla Institute of Technology, Mesra, Ranchi (Jharkhand) From **16-18th December 2005**.
24. K. R. Venugopala Reddy, M. N. K. Harish M.H.Moinuddin Khan, Fasiulla, Mallikarjuna and **J. Keshavayya**. Synthesis and Structural Investigations of Symmetrically substituted metal (II) phthalocyanine Pigments at National Seminar on **Frontiers in Chemistry from 24 to 25th March 2006** organized by Dept. of Applied Chemistry, Cochin University of Science and Technology, Kochi.
25. Mallikarjuna. H. R, M. N. K. Harish, Chandrashekar. C, Mahadevan. K. M, K. R. Venugopala Reddy and **J. Keshavayya**. Synthesis, Characterization and Biological Studies of Some Novel Azo dyes of 4-Aminophthalic acid at **2nd International Symposium on Drug Discovery and Process Research** from **Feb 10-12, 2006** Organized by K. L .E. S's College of Pharmacy Belgaum,
26. M. H. Moinuddin Khan, Fasiulla, M. N. K .Harish, **J. Keshavayya** and K. R. Venugopala Reddy. Structural Investigations and Biological Studies on Symmetrically Substituted 4, 4', 4'', 4''' -tetramethoxy-iminophthalocyanine Complexes at **2nd International Symposium on Drug Discovery and Process Research** from **Feb 10-12, 2006** Organized by K .L .E .S's College of Pharmacy Belgaum,
27. H. R. Mallikarjuna, M. N. K. Harish, K. R. Venugopala Reddy, K. M. Mahadevan and **J. Keshavayya**. Synthesis and Characterization of some novel Azo Dyes of 4-Aminophthalic acid at National Conference on Chemical Sciences for Industry and Society, **Emerging trends for the third millennium from Jan 06 to 08, 2006** held at Kuvempu University.
28. M. N. K. Harish, H. R. Mallikarjuna, K. R. Venugopala Reddy, **J. Keshavayya**. Synthesis and Spectral studies on 4,4',4'',4'''– tetradiazo-coupled Copper Phthalocyanine with 2-hydroxy-3-naphthoic acid at National Conference on Chemical Sciences for Industry and Society, **Emerging trends for the third millennium** from **Jan 06 to 08, 2006**.

29. Fasiulla, m. H. Moinuddin Khan, M. N. K. Harish, **J. Keshavayya** K. R. Venugopala Reddy. Synthesis, spectral, magnetic and biological studies on schiff bases of benzaldehyde with octaamino metal phthalocyanines at National Conference on Chemical Sciences for Industry and Society, **Emerging trends for the third millennium** from **Jan 06 to 08, 2006**.
30. K. R. Venugopala Reddy, M.N.K. Harish, M.H. Moinuddin Khan, Fasiulla Mallikarjuna and **J.Keshavayya**. Synthesis and Characterization of Octa substituted Metal (II) 1,3,8,10,15,17,22,24-Hydroxy Phthalocyanines. at **UGC-SAP National Seminar on Recent Trends in Synthetic and Polymer Chemistry** organized by Dept. of Chemistry, Himachal Pradesh University, Summer Hill Shimla from **December 5-6, 2006**..
31. M. H. Moinuddin Khan. **J Keshavayya**, M. H, Fasiulla, Harish. M. N. K. Synthesis, Spectral characterization and Magnetic susceptibility studies of symmetrically substituted 2, 9, 16, 23-tetra-(2E)-3-phrnylpropene-1-imino phthalocyanines. **National Symposium on Modern Trends in Chemical Sciences**, Kurukeshetra University, Kurukeshetra, **06 to 07th October 2006**.
32. K. R. Venugopala Reddy, M.N.K. Harish, M. H. Moinuddin Khan, Fasiulla, Vittal Rao, **J. Keshavayya**. Synthesis, characterization and biological studies of symmetrically 2,8,15,22 tetra 3-phenyle -propane -limino phthalocyanines.. International Conferences in **Emerging Tends** Department of Chemistry, University of Mumbai, Mumbai **23rd to 25 January 2007**.
33. Devappa. S. Lamania, K. R.Venugopala Reddy, H. S. Bhojya Naika, **J. Keshavayya**. Synthesis and characterization of Co (II), Ni (II) and Cu (II) of S₂N₂ Schiff-base Complexes interaction on DNA binding studies: as new class of antimicrobial agent. National Seminar on **Modern trends in analytical methods of analysis (NTAMA)** Sri Krishnadevaraya University Ananthapur. India. **25th to 27th 2008**.
34. H.R.Mallikarjuna, **J. Keshavayya** and M.N.K. Harish. Synthesis and antimicrobial activity studies on some alkyl 1,3,4-oxadiazole derivatives. A.H. Shridhar, National Seminar on-The **Emerging Areas in Chemistry (NACEAC-2009)** at Department of studies in Chemistry, University of Mysore. **31st July 2009 and 1st August 2009**.
35. Shridhar A. H, **J. Keshavayya** and Joy. H. Hosakeri. Synthesis and antimicrobial activity studies on some 1, 3, 4-oxadiazole derivatives. National Conference on **Recent Trends in Chemical Research (NCRTCR-2010)** at NITK Surathkal, during **March 8-10, 2010**.
36. Fasiulla, Venugopala Reddy K. R, Moinuddin Khan. M. H, **Keshavayya. J.** Synthesis, Special, Magnetic Susceptibility Studies On Symmetrically Substituted Metal (II) Octafuryl Methanimine Phthalocyanine. Presented at 29th Annual Conference of **Indian Council of Chemist**-held at Panjab University, Chandigarh from **19th –21th Dec, 2010**.
37. Shridhar A. H, **J. Keshavayya**, Novel Synthesis anti microbial and *in-vitro* anti oxidant activity studies on some 1, 3, 4-oxadiazole and 1, 2, 4- Triazole substituted azo dye derivatives. Presented at **International Symposium on Challenges in Drug discovery Programme–2011** held at Karnataka Open University, Manasagangotri, Mysore, India during **February 16-17, 2011**.

38. Rajesh, R. A. Shoukat Ali and **J. Keshavayya**. Effect of 5-Phenyl-1, 3, 4-thiadiazole versus phenyl Substituent's on Thermal and Electronic Properties of Ni (II) Phthalocyanines. Presented at UGC Sponsored National conference on **Recent trends in Analytical Techniques** held at DRM Science college, Davangere on **19th Feb-2011**.
39. Subramanya. K. Bhat, **J. Keshavayya**, V. H. Kulkarni, K. R. Venugopal Reddy, A. R. Kulkarni, P. V. Kulkarni. Design and Characterization of time and pH dependent Colon Specific Pulsatile Drug Delivery System of 5-fluorouracil. Presented at annual conference, **SRCS-2011**, held at Kuvempu University, Jnana sahyadri, Shankaraghatta-577 451. Shimoga, Karnataka from **26 & 27th March 2011**.
40. Shridhar A. H, **J. Keshavayya**, Nagamma. D, Vijayalakshmi. D. K, Ashwini. R, Shubha. H. N, Sushma. K. M. And Lavanya. Novel Synthesis and *in-vitro* anti oxidant activity studies on characterization of heterocyclic azo dye derivatives, R Presented at annual conference, **SRCS-2011**, held at Kuvempu University, Jnana sahyadri, Shankaraghatta-577 451. Shimoga, Karnataka from **26th - 27th March 2011**.
41. Sonam. A, Sangeetha S. Shetty, Arpana .V, Vidya .N.S, Rajesh, **J.Keshavayya**. Synthesis and Characterization of Novel oxadiazole bridged Benzimidazole Substituted Ni(II)Phthalocyanine. presented at resented at annual conference, **SRCS-2011**, held at Kuvempu University, Jnana sahyadri, Shankaraghatta-577 451. Shimoga, Karnataka from **26th - 27th March 2011**.
42. Shridhar. A. H, **J. Keshavayya** and Joy Hoskeri. H. Synthesis, characterization and pharmacological studies of novel bis furan 1, 3, 4- oxadiazole substituted azo dye derivatives". Presented at **National Symposium on Chemistry and Humanity (NSCH – 2011)** held at Department of Chemistry, Manipal University, **11th – 12th July – 2011**.
43. Rajesh .T, Shoukat Ali R. A, **J. Keshavayya**, Prashantha A.G, Keerthi Kumar C.T. Synthesis and Characterization of Benzimidazole Substituted Cu(II)Phthalocyanine through oxadiazole bridge. presented at International Conference on **Synthetic and Structural Chemistry (ICSSC) – 2011 on December 8-10, 2011** held at Department of Chemistry, Mangalore University, Mangalore.
44. Subramanya. K. bhat, **J. Keshavayya**, V. H.Kulkarni, K R Venugopal Reddy, Prithi Kulkarni, A R Kulkarni. Design and Characterization of Colon Specific Pulsatile Drug Delivery System of 5-fluorouracil. Presented at International Conference on **Synthetic and Structural Chemistry (ICSSC)–2011 on December 8th-10th, 2011** held at Department of Chemistry, Mangalore University, Mangalore.
45. Shridhar. A. H, **J. Keshavayya** and Joy Hoskeri. H. Synthesis, antimicrobial and In-vitro antioxidant activity studies of some bis alkyl 1,3,4-oxadiazole incorporated azo dye derivatives. presented at **International Conference on Synthetic and Structural Chemistry (ICSSC)–2011 on December 8th-10th, 2011** held at Department of Chemistry, Mangalore University, Mangalore.
46. Shridhar. A. H, **J. Keshavayya** and Joy Hoskeri. H.T. Synthesis, antimicrobial and In-vitro antioxidant activity studies of some Bis alkyl 1,3, 4-oxadiazole incorporated azo dye. Presented at

National Conference on Recent Advances in Chemical and Environmental Sciences (NCRACES-2011) on 28th– 29th December 2011 organized by Jain University, Bangalore.

47. Rajesh, **J. Keshavayya**, Keerthi Kumar C.T, Shoukat Ali R.A. Synthesis, Spectral and Thermal Degradation Kinetics studies of benzimidazole substituted metal phthalocyanine Through oxadiazole bridge (M=Co,Ni, Cu)". Presented at **International Science Congress Association(ISC-2012)** on 8th to 10th December 2012 organised by Bon Maharaj Engineering College, Vrindavan, Mathura, UP.
48. Rajesh, **Jati Keshavayya**, Shoukat Ali R.A, Keerthi Kumar C.T. Optical and Thermal Degradation Kinetics studies on 5-phenyl-1,3-thiazole substituted Tetra-amido metal phthalocyanine complexes (M=Co, Ni, Cu). International conference on recent advances in material science & technology-2013 (**ICRAMST-13**) Jan 17-18, 2013. Department of Chemistry, NITK, Surthkal, Karnataka.
49. Keerthi Kumar C.T, **Jati Keshavayya**, Rajesh. Electrical, Optical and Thermal studies of heterocyclic azo dye metal complexes. International conference on recent advances in material science & technology-2013 (**ICRAMST-13**) Jan 17-18, 2013. Department of Chemistry, NITK, Surthkal, Karnataka.
50. Shoukat Ali R.A, **J.Keshavayya**, Chethan M Gowda, Rajesha.T and Prashantha A G. Synthesis and Characterization of Tetra 2,9,16,23 – naphtho[2,1-b]furan Substituted Metal (II) phthalocyanines through 1,3,4 - oxadiazole Bridge. International conference on recent advances in material science & technology-2013 (**ICRAMST-13**) Jan 17-18, 2013. Department of Chemistry, NITK, Surthkal, Karnataka.
51. Shoukat Ali R.A, **J.Keshavayya**, Rajesha.T , Keerthi kumar C T and Prashantha A G. Synthesis and Characterization of Tetra – Furan substituted metal (II) phthalocyanines through 1,3,4 -oxadiazole Bridge. National Seminar on “**Recent Advances in Chemical Biology-An Over view**” held on 15th -16th March 2013 at Govt. Science College, Hasana.
52. Subramanya. K. bhat, **J. Keshavayya**, V. H. Kulkarni, K R Venugopal Reddy, Prithi Kulkarni, A R Kulkarni. Preparation and Characterization of 5-Fluorouracil containing guar gum microspheres and their *in-vitro* release studies. National Seminar on “**Recent Advances in Chemical Biology-An Over view**” held on 15th-16th March 2013 at Govt. Science College, Hasana.
53. Keerthi Kumar C.T, **Jati Keshavayya**, Rajesh. Synthesis, Characterization and antimicrobial activity of heterocyclic azodyes derived from 5-phenyl 1,3,4-thiadiazole-2-amine. National Seminar on “**Recent Advances in Chemical Biology-An Over view**” held on 15th-16th March 2013 at Govt. Science College, Hasana.
54. Shoukat Ali R A and **J Keshavayya**. Synthesis and Studies on Oxadiazole Substituted Metal phthalocyanines. National conference on “**Pure and Applied Chemistry**” held on 29th-31st Dec 2014 at Mysore University.
55. Maliyappa M R, **J Keshavayya**, Ravi B N. Synthesis and characterization of novel 4, 5, 6, 7 – tetra hydro 2 – amino benzothiazole based azo dyes and derivatives. UGC sponsored one day National

conference on “**Recent Trends in Novel Carbon Materials**” held on **22nd Sept, 2015** at FMKMCC Madikeri.

56. Harisha S, **J Keshavayya**, B E Kumaraswamy, Vishwanath C C. Synthesis, Characterization and Electrochemical studies of an azo disperse dye derived by 2-amino-6-methoxybenzothiazole. UGC sponsored one day National conference on “**Recent Trends in Novel Carbon Materials**” held on **22nd Sept, 2015** at FMKMCC Madikeri.
57. Keerthikumar C T, **J Keshavayya**, Vinod Kumar.R. Biological and Thermal studies of thiadiazole based azo dyes and its metal complexes UGC sponsored one day National conference on “**Recent Trends in Novel Carbon Materials**” held on 22 sep 2015 at FMKMCC Madikeri.
58. Keerthikumar C T, **J Keshavayya**, Peethamber S K. Electrical, optical and thermal studies of quinoline based azo dye metal complexes. 8th KSTA Annual Conference on “**Science and Technology for Next Generation Urban Space**” held at Bangalore on 4th and 5th November, 2015.
59. Keerthikumar C T, **J Keshavayya**, Peethamber S K. Synthesis, Characterization and Biological Activity of 2,6-Diaminopyridine Incorporated Azo Dye. UGC Sponsored National conference on “**Emerging Trends in Analytical Techniques**”, held at Government Science College (Autonomous), held at Hasan on **28th-29th March, 2016**.
60. Keerthikumar C T, **J Keshavayya**, Peethamber S K. Synthesis, Characterization and Biological Activity of 4-Aminoantipyrine Incorporated Azo Dye Derivatives. International Conference on **Nanotechnology - 2016 (ICNANO-2016)**”, held at Visvesvaraya Technological University, Center for Postgraduate Studies, Muddenahalli, Chikkabalapur on **21st – 23rd April 2016**.
61. Keerthikumar C T, **J Keshavayya**, Peethamber S K. Synthesis, Characterization, Biological Activity and Electrochemical studies of Heterocyclic Azo Dye. 2nd National Conference on “**Fundamental and Applied Chemistry**” held at Hotel Silver Palace, Salem, India on **4th June 2016**.
62. Vinod Kumar R, **J Keshavayya**. Synthesis and Characterization of 2-amino-6-ethoxy benzothiazole based azo dyes. 2nd National Conference on “**Fundamental and Applied Chemistry**” held at Hotel Silver Palace, Salem, India on **4th June 2016**.
63. Shoukat Ali R A and **J Keshavayya**. Thermal and X-Ray diffraction studies of Furan substituted metal phthlocyanines. 2nd National Conference on “**Fundamental and Applied Chemistry**” held at Hotel Silver Palace, Salem, India on **4th June 2016**.
64. Ravi B N and **J Keshavayya**. Synthesis, Characterization and Biological activity of benzothiazole incorporated azo dyes. **International conference on Science and Technology-Future challenges and solutions (STFCS)**, held at University of Mysore, **Aug 8–9, 2016**.
65. Harish S and **J Keshavayya**. Synthesis, Characterization and electrochemical studies of Azo dyes derived from Barbituric acid. **International conference on Science and Technology-Future challenges and solutions (STFCS)**, held at University of Mysore, **Aug 8–9, 2016**.

66. Maliyappa M R and **J Keshavayya**. Synthesis, Characterization and biological studies of novel benzothiazole based azo dyes. **International conference on Science and Technology-Future challenges and solutions (STFCS)**, held at University of Mysore, **Aug 8–9, 2016**.
67. Mallikarjun N M and **J Keshavayya**. Synthesis and spectral characterization of novel disperse azo dyes derived from sulphamethoxazole and its complexes. International conference on Science and Technology- Future challenges and solutions (STFCS), held at University of Mysore, **Aug 8–9, 2016**.
68. Keerthikumar C T and **J Keshavayya**. Synthesis, Characterization and Electrochemical studies of Naphthol based azo dyes. **International conference on Science and Technology-Future challenges and solutions (STFCS)**, held at University of Mysore, **Aug 8–9, 2016**.
69. Maliyappa M R and **J Keshavayya**. National Conference on Synthesis, Characterization, Molecular docking and Biological studies of Novel Benzothiazole derivatives based azo dyes using Pyrazole, **9th Karnataka Science and Technology Academy Conference**. Christ College, Bangalore, 20th–21st December, **2016**.
70. Mallikarjuna N M and **J Keshavayya**. National Conference on A Novel Disperse azo dye as an efficient corrosion inhibitor for mild steel in 1M HCl: Synthesis, Characterization, Biological and corrosion inhibition study of benzothiazole incorporated azo dye and their metal complexes, **9th Karnataka Science and Technology Academy Conference**. Christ College, Bangalore, 20th–21st December, **2016**.
71. Keerthikumar C T and **J Keshavayya**. Synthesis, Characterization and Biological Studies of Sulphur based azo Dyes. **International Conference on Importance of Herbal Medicine in era of Globalization - A live demonstration**, Sagara, Shivamogga, 2016. 21st – 23rd December, **2016**.
72. Maliyappa M R, **J. Keshavayya**. Synthesis, Characterization, Molecular modeling and docking studies of novel Benzothiazole based azo dyes Using Pyrazole derivatives. **International Conference on Green Chemistry & Nanotechnology Opportunities and Challenges-2017 held at St.Aloysius College, Mangalore**. 27th -28th February, 2017.
73. Mallikarjuna N.M, **J. Keshavayya**. Synthesis, Characterization and antimicrobial studies of pyrazole incorporated azo dye and its metal complexes. **International Conference on Green Chemistry & Nanotechnology Opportunities and Challenges-2017 held at St.Aloysius College, Mangalore**. 27th -28th February, 2017.
74. Ravi B N, **J Keshavayya**. Synthesis, Characterization, On pyridone based azo dyes by using 2-amino-6-nitrobenzothiazole. At National Conference on “Chemistry for Sustainable future (NCCSF)” held on 27-28th Jan 2017 at PG Department of Chemistry, SDM College (Autonomous),Ujire.
75. Vinod Kumar, **J Keshavayya**. Synthesis, characterization Of 2-amino 5- nitro thiazole incorporated azodyes. At National Conference on “Chemistry for Sustainable future (NCCSF)” held on 27-28th Jan 2017. organized by PG Department of Chemistry, SDM College (Autonomous),Ujire

76. Mallikarjuna N M, **J Keshavayya**. “Synthesis, Characterization and antimicrobial studies of Pyrazole incorporated azo dye and its metal complexes” At an international conference on green chemistry and nanotechnology Opportunities and challenges 27-28th February 2017 organized by St Aloysius College Mangaluru.
77. Maliyappa M R, **J Keshavayya**. “Synthesis, Characterization, Molecular modeling and docking studies of novel Benzothiazole based azo dyes Using Pyrazole derivatives.” At an international conference on green chemistry and nanotechnology Opportunities and challenges 27-28th February 2017 organized by St Aloysius College Mangaluru.
78. Rajesh T N, **J Keshavayya** “Tga And Dc Electrical Conductivity Studies Of 3-Aryl-1,2,4-Triazolo[3,4-B]-1,3,Thiadiazole substituted Metal(Ii) Phthalocyanine Complexes At an international conference on green chemistry and nanotechnology Opportunities and challenges 27-28th February 2017 organized by St Aloysius College Mangaluru.
79. Maliyappa M R, **J Keshavayya** “Synthesis and characterization of novel benzothiazole moiety based azo dyes Using 4, 5, 6, 7 – tetra hydro 2 – amino Benzothiazole”. KSTA National Conference on Impact of Science and Technology on Society and Economy” held at VSK University, Ballari, on 8-9th 2017.
80. Vinod Kumar, **J Keshavayya** “Synthesis and characterization 2-amino 4-methyl phenylethiazole incorporated azo dyes”. KSTA National Conference on Impact of Science and Technology on Society and Economy” held at VSK University, Ballari, on 8-9th 2017.
81. Mallikarjun N M, **J Keshavayya** “Novel metal complex of NON donor azo dye ligand containing sulfamethaxazole core: Synthesis, characterization thermal and antimicrobial evaluation”. KSTA National Conference on Impact of Science and Technology on Society and Economy” held at VSK University, Ballari, on 8-9th 2017.
82. Mallikarjun N M, **J Keshavayya** “Novel metal complex of NON donor azo dye ligand containing sulfamethaxazole core: Synthesis, characterization thermal and antimicrobial evaluation”. KSTA National Conference on Impact of Science and Technology on Society and Economy” held at VSK University, Ballari, on 8-9th 2017.
83. Shoukat ali R A, **J Keshavayya** “Conductivity studies of copper phthalocyanine” KSTA National Conference on Impact of Science and Technology on Society and Economy” held at VSK University, Ballari, on 8-9th 2017.
84. C T Keerthi Kumar, **J Keshavayya** “Synthesis, Characterization and biological studies of 2-amino 5-nitro thiazole based azo dyes” KSTA National Conference on Impact of Science and Technology on Society and Economy” held at VSK University, Ballari, on 8-9th 2017.

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