

PUBLICATIONS AND OTHER ACADEMIC ACTIVITIES

Fellowship awarded:

- **Senior Research Fellowship (SRF)** from CSIR, New Delhi (2011-2012).
- **UGC Research Fellowship in Sciences for Meritorious Student** from UGC, New Delhi (2010- 2011).
- **University Departmental Research Fellowship** from Manipur University, Manipur (2009-2010).

Publications:

- **L. Jaideva Singh**, N. Shantibala Devi, S. Pramodini Devi, W. Bembee Devi, R.K. Hemakumar Singh, B. Rajeswari, R. M. Kadam “Spectroscopic studies on bis(1-amidino-O-alkylurea)copper(II) sulfate complexes where alkyl = methyl, ethyl, n-propyl or n-butyl: EPR evidence for binuclear complexes” **Inorganic Chemistry Communications Vol. 13, No.3, 2010, 365-368.**
- **L. Jaideva Singh**, R.K. Hemakumar Singh, R.Chitra “Synthesis, spectroscopic, powder X-ray diffraction and DNA binding studies on copper(II) complexes of 4,4'-diaminodiphenyl sulfone” **Journal of the Iranian Chemical Society, Vol. 9, No. 4, 2012, 441-448.**
- N. Shantibala Devi, **L. Jaideva Singh**, S. Pramodini Devi, R. K. Bhupon Singh, R. K. Hemakumar Singh, B. Rajeswari R. M. Kadam “Binuclear copper(II) complexes of 1-amidino-O-alkylurea(alkyl = n-propyl, n-butyl or i-butyl) and vanadate: an EPR study”, **Journal of Coordination Chemistry, Vol. 64, No.23, 2011, 4108 – 4121.**
- S. Pramodini Devi, R.K. Bindia Devi, N. Shantibala Devi, **L. Jaideva Singh**, R.K. Hemakumar Singh, “Structural and spectroscopic investigations on bis(1-amidino-O-2-alkoxyethylurea) copper(II) perchlorate complexes (alkoxy = methoxy, ethoxy or butoxy)”, **Polyhedron, Vol. 47, 2012,1-8.**
- **L. Jaideva Singh**, R.K. Hemakumar Singh, “Synthesis and characterization of heteronuclear Copper(II)-Lanthanide(III) complexes of N,N'-1,3-Propylenebis(salicylaldehyde) where Lanthanide(III) =Gd or Eu”, **International Journal of Inorganic Chemistry, Volume 2013, article ID 281270, 1-9.**
- **L. Jaideva Singh**, R.K. Hemakumar Singh, “Synthesis and photo-physical properties of new Ln(III) (Ln = Eu(III), Gd(III) or Tb(III) complexes of 1-amidino-O-methylurea”, **Chemical Papers, 68(2) 223-232, 2014.**
- **L. Jaideva Singh**, R.K. Hemakumar Singh, R. Chitra, R.R. Choudhury, “Synthesis and powder X-ray diffraction studies on Copper(II) complexes of 4,4'-Diaminodiphenyl sulfone”, **American Institute of Physics (AIP) Conference Proceedings, Vol. 1349, 2011, 1233-1234.**
- N. Shantibala Devi, **L. Jaideva Singh**, S. Pramodini Devi, R.K. Bhupon Singh, R.K. Hemakumar Singh, B. Rajeswari, R.M. Kadam “Synthesis, spectroscopic and DNA interaction studies on bis(1-amidino-O-2-alkoxyethylurea) copper(II)nitrate where alkoxy = methoxy, ethoxy or butoxy)”, **Journal of Molecular Structure, 20865, 2014.**
- S. Pramodini Devi, **L. Jaideva Singh**, N. Shantibala Devi, R.K. Bindia Devi, R.K. Hemakumar Singh, “Synthesis, characterisation and DNA binding investigations on 1 D polymeric copper (II) complexes of 1-amidino-O-alkylurea (alkyl = methyl, ethyl or propyl) having both dicyanamido and chloro bridges”, **Journal of Coordination Chemistry, Vol. 14, 2017,2492-2509.**
- L. Jadumani Singh, M. Phalguni Singh, L.Jaideva Singh, M.Niraj Luwang, “Synthesis,characterisation and luminescence properties of Tb³⁺ doped SnO₂ nanoparticles”**Australian Journal of Chemistry 2020**,under review process.

Papers presented:

- **L. Jaideva Singh**, N. Shantibala Devi, S. Pramodini Devi, R.K. Hemakumar Singh, B. Rajeshwari Devi, R.M Kadam, A novel method of synthesizing Bis[(1-amidino-O-alkylurea)Cu(II)]sulphate complexes where alkyl = Me, Et, Pr or n-But. EPR evidence for ferromagnetic interactions in the solid state and unusual features in the frozen solution, 53rd DAE- Solid State Physics Symposium (SSPD-2008), BARC and TIFR, Mumbai, December 16-20, **2008.**

- **L. Jaideva Singh, R.K. Hemakumar Singh**, *Synthesis, characterisation and thermal studies on copper(II) complexes of 4,4'-diaminodiphenyl sulfone*, National Conference on Nanomaterials and Coordination Chemistry, Department of Chemistry, Manipur University, Imphal, March 26-27, **2010**.
- **L. Jaideva Singh, R.K. Hemakumar Singh**, *Luminescent studies on lanthanide(III) complexes of dicyandiamide prepared in methanol where lanthanide = Eu, Gd or Tb*, National Conference on Nanomaterials and Coordination Chemistry, Department of Chemistry, Manipur University, Imphal, March 26-27, **2010**
- **L. Jaideva Singh, R.K. Hemakumar Singh, R.S Ningthoujam, R.K Vatsa**, *Effect of Polyethylene Glycol in Preparation of Eu³⁺ Doped SnO₂ Nanoparticles Using Ethylene Glycol and its Luminescence Properties*, DAE-BRNS 3rd International Symposium on Materials Chemistry (ISMC-2010), BARC, Mumbai, December 7-11, **2010**
- **L. Jaideva Singh, R.K. Hemakumar Singh, R. Chitra, R.R Choudhury**, *Synthesis and powder X-ray diffraction studies on copper(II) complexes of 4,4'-diaminodiphenyl sulfone*, 55th DAE-Solid State Physics Symposium (SSPD-2010), Manipal University, Manipal, December 26-30, **2010**.
- **L. Jaideva Singh, R.K. Hemakumar Singh**, *Synthesis and photoluminescence properties of new Ln(III) [Ln = Eu³⁺ or Tb³⁺] complexes of 1-amidino-O-methylurea*, National Conference on Frontiers in Chemical Sciences (NCFCS-2012, Department of Chemistry, Manipur University, March 20-21, **2012**
- **L. Jaideva Singh, R.K. Hemakumar Singh**, *Synthesis and studies on heteronuclear copper(II) - lanthanide(III) complexes of N,O donor ligand where lanthanide(III) = Gd or Eu*, National Symposium on Recent Trends in Chemical Sciences (NSRTCS-2013), Department of Chemistry, Manipur University, March 22-23, **2013**.
- **L. Jaideva Singh, R.K. Hemakumar Singh**, *Synthesis and spectroscopic characterisation of heteronuclear copper(II) - lanthanide(III) complexes of N,N'-1,3-Propylenebis(salicylaldiminato) where lanthanide(III) = Gd or Eu*, International Conference on innovative Applications of Chemistry in Pharmacology and Technology, Department of Chemistry, Berhampur University, Odisha, India, 06-08, **2015**.
- **L. Jaideva Singh, L. Pabitabi Devi, P. Nesanel Singh**, *Equality With Reference to Health, Society and Gender in India*, Two-day National Seminar on Gender Equality Issues & Challenges in India: Gender Sensitization in Medical & Paramedical Organisations, 24-25 February, 2020.

Organised National/International Conference as Convener:

- **The First National Conference on “ Science & Technology for Society” KHUMANG 2019 as Convener Organised by Kanglei Khongyang Thijinyon (KKT), Imphal and Department of Chemistry, DMCS, DM University, Imphal on 30th November, 2019.**
- **The Second International Conference on “ Science & Technology for Society” KHUMANG 2020 as Convener Organised by Kanglei Khongyang Thijinyon (KKT), Imphal and Department of Chemistry, Manipur Technical University, Imphal on 9-11 September, 2020.**