
List of Publications

- 1) Ionic bonding driven unusual crystal growth of tubular organic nitrate salts
Prasanna S. Ghalsasi and **Ashok K. Vishwakarma**, *Cryst. Engg. Comm.* **2010**, *12*, 1693-1695.
- 2) Temperature-dependent Raman spectroscopy of anilinium chloride near phase transition
Ashok K. Vishwakarma, Pallavi ghalsasi and Prasanna S. Ghalsasi, *Phys. Status Solidi B* **2011**, 1-5.
- 3) Structural phase transition and magnetic properties of layered organic-inorganic hybrid compounds: *p*-Haloanilinium tetrachlorocuprate(II)
Ashok K. Vishwakarma, Prasanna S. Ghalsasi, Arulsamy Navamoney, Yanhua Lan and A. K. Powell, *Polyhedron* **2011**, *30*, 1565-1570.
- 4) Thermal Decomposition Paths in A_2CuCl_4 Complexes: Anilinium and its derivatives
Ashok K. Vishwakarma and Prasanna S. Ghalsasi *J. Therm. Ana. Calorim.* **2012**, *107*, 155-158.
- 5) Gate Opening-Closing of Porous Manganese (II) Anilinium Framework During Reversible Adsorption/Desorption of Polar Solvents
Ashok K. Vishwakarma and Prasanna S. Ghalsasi (*Submitted*)
- 6) Chirality induced metaagnetism behavior in layered organic-inorganic hybrid distorted perovskite complex: [(*R*)- and (*S*)-Propane-1,2-diammonium] $CuCl_4$
Ashok K. Vishwakarma, Prasanna S. Ghalsasi, Arulsamy Navamoney, Yanhua Lan and A. K. Powell (*Submitted*)
- 7) Synthesis and Magnetic Properties of Organic-Inorganic Hybrid Compound: (2-Aminobenzothiazolium) $_2CuCl_4$
Ashok K. Vishwakarma, Prasanna S. Ghalsasi, Arulsamy Navamoney, Yanhua Lan and A. K. Powell (*Submitted*)
- 8) Synthesis, characterization, H-bonding and structural phase transition in organic ammonium nitrate
Ashok K. Vishwakarma, Prasanna S. Ghalsasi and Arulsamy Navamoney (*Under preparation*)

Publications in conferences

- 1) **Ashok K. Vishwakarma**, Prasanna S. Ghalsasi, Arulsamy Navamoney, Yanhua Lan, A. K. Powell: Structural Phase Transition and Magnetic Properties of Organic-Inorganic Perovskites, (4-chloroanilinium)₂CuCl₄, “54th DAE Solid State Physics Symposium-2009” at The M. S. University of Baroda, Vadodara Gujarat. (December 14th-18th, 2009)
- 2) **Ashok K. Vishwakarma**, Prasanna S. Ghalsasi, Arulsamy Navamoney, Yanhua Lan, A. K. Powell: Influence of aromatic cations in Chlorocuprates (CuCl₆⁴⁻): Crystal Structure and Magnetic properties “International Conference on Vistas in Chemistry 2011 (ICVC 2011)” at Chemistry Group Indira Gandhi Centre for Atomic Research Kalpakkam. (October 11-13, 2011)

Abstracts Accepted in different Conferences/Symposiums

- 1) **Ashok K. Vishwakarma** and Prasanna S. Ghalsasi; Synthesis and Studies of Multifunctional Organic-Inorganic Hybrid Perovskite Type Compounds, “2nd DAE-BRNS International Symposium on Materials Chemistry (ISMC-2008)” at Central Complex Auditorium, Bhabha Atomic Research Centre, Mumbai. (December 2nd - 6th, 2008), Page 445
- 2) **Ashok K. Vishwakarma**, Prasanna S. Ghalsasi, Arulsamy Navamoney, Yanhua Lan, A. K. Powell; Crystal Structure and Magnetic Properties of Layered Perovskite Compounds- (4-fluoroanilinium)₂CuCl₄, Indian Council of Chemists “28th Annual Conference at Department of Chemistry” at Hemchandracharya North Gujarat University Patan. (November 7th - 10th, 2009)
- 3) **Ashok K. Vishwakarma**, Prasanna S. Ghalsasi; Novel One Pot Crystal Growth of Anilinium Nitrate Hollow Tubes and Layered Alumina, Symposium on “Modern Trends in Inorganic Chemistry (MTIC-XIII)” at Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bangalore, India. (December 7th - 10th, 2009), Page 214
- 4) **Ashok K. Vishwakarma**, Prasanna S. Ghalsasi, Arulsamy Navamoney, Yanhua Lan, A. K. Powell; Magnetic Properties and Structural Phase Transition in Organic-Inorganic Hybrid Distorted Perovskite Complex: (4-chloroanilinium)₂CuCl₄, Indian Chemical Society Vadodara Chapter “6th All Gujarat Research Scholars Meet (AGRSM-VI)” at Department of Chemistry, Faculty of Science, The M.S. University of Baroda, Vadodara Gujarat. (January 31st, 2010), Page 16
- 5) **Ashok K. Vishwakarma**, Prasanna S. Ghalsasi, Arulsamy Navamoney, Yanhua Lan, A. K. Powell; Chirality Induced Metamagnetism in Organic-Inorganic Hybrid Double Salts: [(R)- and (S)-propane-1,2-diammonium]CuCl₄, “3rd DAE-BRNS International Symposium on Materials Chemistry (ISMC-2010)” at Society for Materials Chemistry, India and Chemistry Division Bhabha Atomic Research Centre Trombay, Mumbai. (December 7th - 11th, 2010), Page 275
- 6) **Ashok K. Vishwakarma** and Prasanna S. Ghalsasi; Bamboo Type Crystal Growth of Organic Nitrate Salts, “3rd DAE-BRNS International Symposium on Materials Chemistry (ISMC-2010)” at Society for Materials Chemistry, India and Chemistry Division Bhabha Atomic Research Centre Trombay, Mumbai. (December 7th-11th, 2010), Page 485
- 7) **Ashok K. Vishwakarma**, Prasanna S. Ghalsasi; Breathing of Porous Manganese (II) Anilinium Framework during Reversible Adsorption/Desorption of Polar Solvent, “National Symposium on Emerging Trends in Chemical Sciences (ETCS-2011)” at

Department of Chemistry, Faculty of Science, Banaras Hindu University, Varanasi
Uttar Pradesh. (February 19th - 20th, 2011), Page 45

- 8) **Ashok K. Vishwakarma**, Prasanna S. Ghalsasi, Arulsamy Navamoney, Yanhua Lan, A. K. Powell; Metamegnetism in Organic-Inorganic Hybrid Distorted Perovskite Type Complex: [(*R*)- and (*S*)-Propane-1,2-dimmonium]CuCl₄, “National Seminar on Inorganic Chemistry 2011 and Celebration of 150th Birth Anniversary of Acharya P. C. Ray” at Department of Chemistry, Jadavpur University Kolkata West Bengal. (July 8th-9th, 2011)