

## **Dr. Anupama P**

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### **Academic Profile**

**March 2007 - March 2011**- PhD student in Physics at Leibniz Institute for Solid State and Materials Research (IFW), Dresden, Germany- Submitted the thesis to the university in June 2010. Defended the thesis and got the doctorate degree on 03rd March 2011.

Thesis title- '*Magnetic Properties of Mn, Ni and Fe based Metal-Organic Complexes*'  
Thesis advisor/supervisor- Prof. Dr. Bernd Buechner/Prof. Dr. Ruediger Klingeler  
Institute/University- IFW Dresden/Technical University Dresden, Germany  
Funded by International Max Planck Research Institute (IMPRS), Germany.

**15th August 2006 - 15th November 2006** - Guest Scientist at IFW, Dresden.

**April 2006 - August 2006** - Project Assistant in Department of Physics, Bharathidasan University, India

**August 2004 - March 2006** - Research Assistant in George Sudarshan Centre for Physics, C. M. S. College, India under the supervision of Prof. Dr. K Babu Joseph.

### **Awards and Scholarships**

**March 2007 - February 2010** - PhD fellowship by International Max-Planck Research school, Dresden, Germany.

**15th August 2006 - 15th November 2006** - Fellowship by Deutscher Akademischer Austausch Dienst (DAAD), Germany.

**April 2006 - August 2006** - Fellowship by Council of Scientific and Industrial Research (CSIR), India.

**March 2006** - Qualified Graduate Aptitude Test in Engineering (GATE) Physics, India

**August 2004 - August 2005** - Fellowship by Prof. E. C. G. Sudarshan, India

### **Publications**

Part of the work accomplished during the PhD was published in the following referred journals.

- Y. Krupskaya, C. Mahn, **A. Parameswaran**, A. Taylor, K. Krämer, S. Hampel, A. Leonhardt, M. Ritschel, B. Büchner, R. Klingeler. Magnetic study of iron-containing carbon nanotubes: Feasibility for magnetic hyperthermia. *Journal of Magnetism and Magnetic Materials*. **321**, 4067- 4071, 2009.

- Y. Krupskaya, **A. Parameswaran**, A. Alfonsov, R. Klingeler, V. Kataev, N. Beyer, J. Lach, M. Gressenbuch, B. Kersting and B. Büchner. High-Field ESR and Magnetization Study of a Novel Macrocyclic Chelate Trinuclear Ni(II) Complex. *J. Low Temp. Phys.* **159**, 84-87, 2009.
- V. Miluykov, I. Bezkishko, D. Krivolapov, O. Kataeva, O. Sinyashin, E. Hey-Hawkins, **A. Parameswaran**, Y. Krupskaya, V. Kataev, R. Klingeler, B. Büchner. Binuclear 1, 2-diphosphacyclopentadienyl Manganese(I) complexes: Synthesis, Structure and Magnetic Properties. *Organometallics*. **29**, 1339-1342, 2010.
- Y. Krupskaya, A. Alfonsov, **A. Parameswaran**, V. Kataev, R. Klingeler, G. Steinfeld, N. Beyer, M. Gressenbuch, B. Kersting, and B. Büchner. Interplay of Magnetic Exchange Interactions and Ni-S-Ni Bond Angles in Polynuclear Nickel(II) Complexes. *ChemPhysChem*. **11**, 1961-1970, 2010