

### **List of research papers published/accepted in refereed Journals:**

1. **A. Rajesh**, Alo Dutta, K. Gurunathan and T. P. Sinha, “*Spin Relaxation of Gd<sub>2</sub>O<sub>3</sub>/NiFe<sub>2</sub>O<sub>4</sub> Core-Shell Nanoparticles*”, **Nanosci. Nanotechnol. Lett.** 6 (2014) 450-455.
2. **A. Rajesh**, M. Manivel Raja and K. Gurunathan, “*Spin-Relaxation of NiO Encapsulated Gd<sub>2</sub>O<sub>3</sub> Core-Shell Nanoparticles*”, **Acta Metall. Sin. (Engl. Lett.)**, 27, (2014) 253-258.
3. **A. Rajesh**, Alo Dutta, K. Gurunathan and T. P. Sinha, “*Dielectric Relaxation of NiFe<sub>2</sub>O<sub>4</sub>/Gd<sub>2</sub>O<sub>3</sub> Core-Shell Nanoparticles*”, **J. Nanosci. Nanotechnol.** 15 (2015) 6082-6087.
4. **A. Rajesh**, M. Manivel Raja and K. Gurunathan, “*Structural and Magnetic Studies of Hydroxyapatite–Encapsulated  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub> Core-Shell Nanoparticles*”, **Adv. Sci. Eng. Med.** 7 (2015) 000-000 (In Press)
5. **A. Rajesh**, M. Manivel Raja, Sujoy Saha, T. P. Sinha and K. Gurunathan, “*Synthesis, Physico-Chemical and Electrical Characterizations of Graphene Oxide–Hydroxyapatite Nanocomposites*”, **Adv. Sci. Eng. Med.**, 6 (2014) 1076-1081.

### **List of research papers presented in Symposia/Conferences:**

1. **A. Rajesh** and K. Gurunathan, “Structural and magnetic resonance study of Gd<sub>2</sub>O<sub>3</sub>/NiFe<sub>2</sub>O<sub>4</sub> core-shell nanoparticles”, Magnetic materials and applications (MagMA-2012) at IIT Madras, Chennai, during 12-13 March 2012. (Poster Presentation)
2. **A. Rajesh**, Recent advances in nanomaterials for sensor applications (NANOSE-2014) at Karaikudi, during 6-7 March-2014. (Participated)
3. **A. Rajesh**, National workshop on characterization techniques (NWCT-1, 2012) at Karaikudi, during 24-26 March-2012. (Participated)
4. **A. Rajesh**, International seminar on “Application of Confocal microscopic techniques in animal health management “(ACAH“2010) at Karaikudi, during 29-30 March-2010. (Participated)
5. **A. Rajesh**, International conference on advancement of nanoscience and nanotechnology (ICONN-2010) at Karaikudi, during 1-3 March-2010. (Participated)

**6. A. Rajesh**, “Synthesis and characterization of the Fe, Co, Ni and Mn based tertiary metal alloys”, Recent Trends in Nanotechnology at Yadava College, Madurai, during 7-8 January 2010. (Oral Presentation)