

## Faculty Profile



1. Name of the Faculty : Dr. Hirthna
2. Department and Designation : Physics Assistant Professor
3. Date of Joining : 17.09.2009
4. Faculty ID: 8148034
5. E-mail Address : hirthu\_2006@yahoo.co.in
6. Date of Birth : 23.04.1981
7. Qualification : M.Sc., M.Phil., Ph.D
8. Specialization : Magnetic nanomaterials, Ferrofluids
9. Professional Experience: 14 years
10. Research Guidance: Supervisor under Anna university
11. Awards and Honours : Nil
12. Sponsored Projects: Nil
13. Patents: Nil
14. Publications

(i) Internationally Refereed Journals :

- **Hirthna** & Sendhilnathan, S 2017, 'Enhancement in dielectric and magnetic properties of  $Mg^{2+}$  substituted highly porous super paramagnetic nickel ferrite nanoparticles with Williamson-Hall plots mechanistic view", *Ceramics International*, vol. 43, pp. 15447-15453. **(Impact factor 2.986)**
- **Hirthna**, S. Sendhilnathan, P. Iyyappa Rajan, T. Adinaveen 2018, 'Synthesis and Characterization of  $NiFe_2O_4$  Nanoparticles for the Enhancement of Direct Sunlight Photocatalytic Degradation of Methyl Orange,' *Journal of Superconductivity and Novel Magnetism*, **Accepted 6 February 2018 (Impact factor 1.02)**

- Experimental investigation on heat transfer rate of Co–Mn ferrofluids in external magnetic field M. MARGABANDHU<sup>1\*</sup>, S. SENDHILNATHAN<sup>2</sup>, S. SENTHILKUMAR<sup>3</sup>, K. HIRTHNA<sup>4</sup>, Materials Science-Poland, 34(2), 2016, pp. 427-436 (**Impact factor 0.95**)

(ii) National Journals:

(iii) International Conferences

(iv) National Conferences

- Presented a paper in “Second National Conference on Materials Science and its Future Prospects”, (NCMSFP – 2017), organized by the Department of Chemistry, University College of Engineering Villupuram, Villupuram.
- Participated & presented a paper in ‘National Seminar on Advanced Materials Research’ on 19<sup>th</sup> January 2017 organized by the Department of Physics, Alagappa University, Karaikudi.

(V) Books Published with ISBN number/ISSN number Nil

14. CONFERENCES/WORKSHOPS/SEMINAR/ SHORT TERM REFRESHER COURSE ATTENDED

- Presented a paper in “National Workshop on Recent Advances in Engineering Materials & Chemical Sciences (NWRAEMCS 2016)”, held at University College of Engineering, Villupuram, Villupuram on 26<sup>th</sup> February 2016.

15. CONFERENCES/WORKSHOPS/SEMINAR ORGANISED Nil

16. Other contribution (if any ) Nil