

# LIST OF PUBLICATIONS

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## RESEARCH ARTICLES PUBLISHED IN JOURNALS

1. Structural and Magnetic Investigations of Silica Coated Cobalt- Ferrite, Oriental Journal Of Chemistry, 2018, 34 (4), **Meenakshi Bansal**, Praveen Aghamkar and Dharamvir Singh Ahlawat, *ISSN: 2231-5039, I.F: 0.5*, **UGC Approved Journal, Journal No. 36632**
2. Structural properties of  $\text{CoFe}_2\text{O}_4:\text{SiO}_2$  nanocomposites prepared by sol-gel method and co-precipitation method: A comparative study, International Journal of Science, Technology & Management, 2015, 04, 01, **Meenakshi Bansal**, Praveen Aghamkar and D.S. Ahlawat. *ISSN:2394-1537*.
3. Study of structural and magnetic properties of Nd doped zinc ferrites, Journal of Magnetism and Magnetic Materials, 369(2014)162–167, N. Sharma, P.Aghamkar , S.Kumar, **M.Bansal**, Anju, R.P.Tondon. (Not included in thesis work.)

## RESEARCH ARTICLE PUBLISHED IN CONFERENCE PROCEEDING

1. Effect of Annealing Temperature on Structural Properties of  $\text{CoFe}_2\text{O}_4:\text{SiO}_2$  Nanocomposites, TEQIP-II Sponsored National Conference on “Latest Developments in Materials, Manufacturing and Quality Control (MMQC-2015)” dated 12-13 Feb.2015, p.no. 1-4, held at Giani Zail Singh College, Bathinda, **Meenakshi Bansal**, , Praveen Aghamkar and Dharamvir Singh Ahlawat, *ISBN: 978-93-5196-055-3*.

## RESEARCH ARTICLES TO BE COMMUNICATED

1. “Structural and magnetic properties of  $\text{CoFe}_{2-x}\text{Gd}_x\text{O}_4:\text{SiO}_2$  nanocomposites prepared by Sol-gel process”.
2. “Structural evolution of  $\text{CoFe}_{2-x}\text{Nd}_x\text{O}_4:\text{SiO}_2$  nanocomposites prepared by Sol-gel method”.

## LIST OF PAPERS PRESENTED IN CONFERENCES

1. Preparation and structural characterization of  $\text{CoFe}_2\text{O}_4:\text{SiO}_2$  nanocomposites., **Meenakshi Bansal**, Shyam S. Bansal, Praveen Aghamkar and D.S. Ahlawat, International conference on nanoscience & nanotechnology (ICNN-2013), Babasaheb Bhimrao Ambedkar University, Lucknow, Dec 16-18, 2013
2. Synthesis of  $\text{CoFe}_2\text{O}_4:\text{SiO}_2$  Nanocomposites and their Structural Characterization , **Meenakshi Bansal** , Praveen Aghamkar and D.S. Ahlawat, National Conference on Nanotechnology and Renewable Energy(NCNRE-14), New Delhi, Apr 28-29, 2014.
3. Structural properties of  $\text{CoFe}_2\text{O}_4:\text{SiO}_2$  nanocomposites Prepared by sol-gel Method and co-precipitation Method: A Comparative Study, **Meenakshi Bansal**, Praveen Aghamkar and D. S. Ahlawat, International conference on Recent Trends in Engineering Science and Management (ICRTESSM-15), New Delhi, Mar 15, 2015.
4. Structural properties of  $\text{CoFe}_2\text{O}_4:\text{SiO}_2$  nanocomposites synthesized by sol-gel Method, **Meenakshi Bansal** , Praveen Aghamkar and Dharamvir Singh Ahlawat, National Conference on Emerging Trends in Physics and Materials Science (ETPMS-2015), Chaudhary Devi Lal University, Sirsa, Mar 24-25, 2015.
5. Analysis of structural properties of  $\text{CoFe}_2\text{O}_4:\text{SiO}_2$  nanocomposites, **Meenakshi Bansal**, Dharamvir Singh Ahlawat and Praveen Aghamkar National Conference on Emerging Trends in Physics and Materials Science (ETPMS-2016), Chaudhary Devi Lal University, Sirsa, Mar 19-20, 2016.