

LIST OF PUBLICATIONS

1. **C. A. Harihar**, Sharanappa Chapi, K.S. Harisha, H. G. Basavaraj, D. B. Ashwini, Y. Ambruta and R. Madhukumar, "Microwave Assisted Synthesis and Characterization of Induced Gellan based Silver nanocomposite Hydrogel" *American Institute of Physics AIP Conference Proceedings* 2100, 020031 (2019); <https://doi.org/10.1063/1.5098585>.
2. **H. G. Basavaraj**, M. Gurusiddesh, R. Madhukumar, C. A. Harihar, B. J. Madhu, Y. Sangappa and K. S. Harisha, "Synthesis and Characterization of Polyaniline/CoxCr0.5-xFe2O4 Nanocomposites for Electromagnetic Interference Shielding" *American Institute of Physics AIP Conference Proceedings* 2100, 020030 (2019); <https://doi.org/10.1063/1.5098584>.
3. **R. Madhukumar**, K. S. Harisha, S. Asha, Youjiang Wang, and Sangappa, "Gamma Assisted Synthesis and Characterization of Colloidal SF-AgNPs" AIP Conference Proceedings 2100, 020029 (2019); <https://doi.org/10.1063/1.5098583>.
4. **C. A. Harihar**, C. G. Renuka, H. G. Basavaraj, Sangappa Y and R. Madhukumar, "Synthesis and Characterization of CuZnFe2O4 and CoZnFe2O4 Nanoferrites" *American Institute of Physics* (AIP), 2019 (Accepted).
5. **H. G. Basavaraj**, C. G. Renuka, C. A. Harihar, Sangappa Y, Lakshmeesha Rao B and R. Madhukumar, "Physicochemical Mechanical and Optical Properties of Polymer Inorganic Composite thin films: Applications" *American Institute of Physics* (AIP), 2019 (Accepted).
6. **Harihar CA**, Basavaraj HG, Guruswamy B, Mohan NR, Harish KS, Sangappa Y and Madhukumar Rajappa, "Structural, Thermal and Chemical Properties of Co-Cr Fe2O4 Nanocomposite Synthesized by Combustion Method" *Madridge J Nanotechnol Nanosci.* 2019; 4(2): 156-159. doi: 10.18689/mjnn-1000131
7. **Madhukumar R**, Raghu S, Mohan N R, "Structural, Thermal and Morphology Studies on Cu-CoZnFe2O4 Nano Ferrites: Combustion Method" *Journal of Nano Progress*, 2020, 2(3), 21-24. 10.36686/Ariviyal.NP.2020.02.03.010
8. **Madhukumar Rajappa**, Sangappa Yallappa, Harihar Channaverappa Ayyappa, Basavaraj Hanumanthappa Gudimi, Harisha Korlakunte Sanjeevappa, "Green Route Synthesis of Structural and Thermal Properties of CSR4 Bombyx mori Silk Fibroin (SF) and SF-AgNPs" *Advanced Materials Letters, VBRI Pres*, IF-1.15 (Under Review)

Presentation in conference/symposia

1. Madhukumar R, Harhar C. A, Ambrutha Y, Ashwini D. B, Harish K.S, Sharanappa Chapi and Sangappa Y, Presented paper in National Conference on Instrumental Methods of Analysis "Tuning of Optical and Mechanical Properties of PVA/ZnO thin film using Solution Casting Method" will be held in KLE Society's Jagadguru Tontadatya College Gadag-Betageri, Karnataka, during 29th September 2019.
2. Harhar C. A, Ambrutha Y, Ashwini D. B, Harish K.S, Sharanappa Chapi, Sangappa Y and Madhukumar R, Presented paper in National Conference on Instrumental Methods of Analysis Structural, Dielectric and AC conductivity studies on PANI/Co-Cr Fe₂O₄ Nanocomposite will be held in KLE Society's Jagadguru Tontadatya College GadagBetageri, Karnataka, during 29th September 2019.
3. Kaliprasad C S Madhukumar R, Sumantha H S, Murugendrappa M V Suresha B L Basavaraj H.G, Harhar C. A Participated and Presented on International Conference on Advanced Functional Materials for Energy, Environment and Health care (AFMEEHC2019), "Preparation and Characterization of PANI/Co-Cr Fe₂O₄ Nanocomposite Materials" held on University of Mysore, Vijnan Bhavan, Manasagangotri, Mysore, Karnataka, India during 18-20th March 2019.
4. H. G. Basavaraj, R. Madhukumar, Mohan N. R, C. A. Harihar, Thejas Urs G.K, B. Lakshmeesha Raoc, and Y. Sangappa. Participated and Presented on International Conference on Advanced Functional Materials for Energy, Environment and Health care (AFMEEHC-2019), "Structural and Magnetic Properties of In-situ and Ex-situ of CoCr₂Fe₂O₄/pani Nanocomposite" held on University of Mysore, Vijnan Bhavan, Manasagangotri, Mysore, Karnataka, India during 18-20th March 2019.
5. C. A. Hariha, Mohan N. R, H. G. Basavaraj, Thejas Urs G. K, B. Lakshmeesha Rao, Y. Sangappa, and R. Madhukumar. Participated and Presented on International Conference on Advanced Functional Materials for Energy, Environment and Health care (AFMEEHC-2019), "Preparation and Characterization of PVA/SA Free Standing Thin films" held on University of Mysore, Vijnan Bhavan, Manasagangotri, Mysore, Karnataka, India during 18-20th March 2019.

6. C. A. Harihar, C. G. Renuka, H. G. Basavaraj, Sangappa Y and R. Madhukumar, Participated and Presented on International Conference on Physics of Materials & Nanotechnology (ICPN-2019), "Synthesis and Characterization of CuZnFe₂O₄ and CoZnFe₂O₄ Nanoferrites" held on Mangalore University, Mangalagangothri, Mangalore, Karnataka, India during 19-21 st September 2019.
7. H. G. Basavaraj, C. G. Renuka, C. A. Harihar, Sangappa Y, Lakshmeesha Rao B and R. Madhukumar, Participated and Presented on International Conference on Physics of Materials & Nanotechnology (ICPN-2019), "Physicochemical Mechanical and Optical Properties of Polymer Inorganic Composite thin films: Applications" held on Mangalore University, Mangalagangothri, Mangalore, Karnataka, India during 19-21 st September 2019.
8. Shivasagar K.R, Harihar C.A, Basavaraj H.G, Koli B.I, Sangappa Y and Madhukumar R, Participated and Presented on International Conference on Advances in Polymeric Materials& Human Healthcare (APA-STERMI-2019), "Structural and Magnetic Properties studies on PANI/Co-Cr Fe₂O₄ Nanocomposite" held on International Center Goa, INDIA, during 16-18 October 2019.