

Editorial Comments:

The manuscript entitles “Composition and Frequency dependent Dielectric properties of Cr-Co Nano ferrites” is written well and shows novelty, However there are some comments on this manuscript which needs to be justify before publication.

1. Results and Discussion parts needs to improve, what kind of hopping observed by AC Conductivity measurements? Is AC conductivity can be explained on the basis of Maxwell Wagner model for dielectric? If so then discussion part is not well written.

Necessary corrections are done.

2. Introduction required more recent references, modification and also table for comparison with other ferrites composites and how it is better?

Necessary corrections are done

3. Please include SEM image of the sintered film.

Already included in earlier publication

4. The author did 900 °C air sintering. Is there any reason to choose 900C? Have you ever tried to anneal in different temperature? It would be good to show the XRD plot before and after 900 °C if the crystallization is the main reason for the sintering.

Particular there is no reason, to choose 900 °C. In most of the conventional techniques, sintering is done more than 1000° C, where as chemical synthesis sintering is done nearly 600°C. So we made an attempt for 900 °C in chemical synthesis.

5. As per the Ref [16], authors have studied the effect of Cr³⁺ ion on the structural and magnetic properties of the Co-ferrite nanoparticles. However, most of results for this material reported in this ref. [16] then what is the point to show electrical properties in this manuscript? It looks data is not sufficient for the work.

In earlier communication, we explained in details about the characterization of Co-Cr nano ferrite, and in this communication we focused on dielectric properties

6. Temperature is important parameters and it affect dielectric properties, temperature dependence dielectric constant and dissipation factor study is missing. Please add that data and cite some relevant references: Physica B 510 (2017) 74–79, Phys. Chem. Chem. Phys., 2017, 19, 210-218, IEEE Transactions on Dielectrics and Electrical Insulation Vol. 19, No. 1; February 2012, J. Phys. Chem. C, 2016, 120 (10), pp 5682–5693.

In this communication, our study is variation of dielectric properties with frequency at room temperature only; we can plan variation of temperature in future.

7. Please include error bar in Fig. 5

Necessary corrections done

8. Introduction starts with Ferrites, what is the advantage of ferrites over piezoelectric and ferroelectric materials? Introduction needs modification.

Necessary corrections done

Author's Feedback:

Dear Sir

We did all the possible corrections. Please look into them, consider our corrections and publish the paper.