

# Accepted Manuscript

Okra extract-assisted green synthesis of  $\text{CoFe}_2\text{O}_4$  nanoparticles and their optical, magnetic, and antimicrobial properties

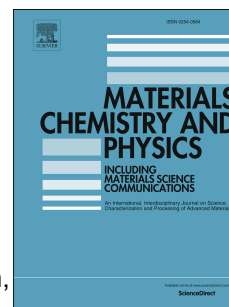
K. Kombaiah, J. Judith Vijaya, L. John Kennedy, M. Bououdina, R. Jothi Ramalingam, Hamad A. Al-Lohedan

PII: S0254-0584(17)30866-0

DOI: [10.1016/j.matchemphys.2017.10.077](https://doi.org/10.1016/j.matchemphys.2017.10.077)

Reference: MAC 20116

To appear in: *Materials Chemistry and Physics*



Please cite this article as: K. Kombaiah, J. Judith Vijaya, L. John Kennedy, M. Bououdina, R. Jothi Ramalingam, Hamad A. Al-Lohedan, Okra extract-assisted green synthesis of  $\text{CoFe}_2\text{O}_4$  nanoparticles and their optical, magnetic, and antimicrobial properties, *Materials Chemistry and Physics* (2017), doi: 10.1016/j.matchemphys.2017.10.077

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Highlights**

- We report the synthesis of  $\text{CoFe}_2\text{O}_4$  nanoparticles using Okra plant gel as a reducing agent.
- Simple green synthetic route based on "localized" microwave heating to synthesize nanoparticles.
- High purity single phase  $\text{CoFe}_2\text{O}_4$  nanoparticles are reported.

Download English Version:

<https://daneshyari.com/en/article/7922455>

Download Persian Version:

<https://daneshyari.com/article/7922455>

[Daneshyari.com](https://daneshyari.com)