## **Retraction Note**



## Retraction Note: Synthesis and investigation of Sm<sup>3+</sup>-doped Mn<sub>0.5</sub>Cu<sub>0.5</sub>Fe<sub>2</sub>O<sub>4</sub> nanoferrites for microstrip patch antenna application

R. Rajesh Kanna<sup>1,\*</sup>, P. Jeyakumar<sup>1</sup>, N. Lenin<sup>2</sup>, G. Marimuthu<sup>3</sup>, Mookkandi Palsamy Kesavan<sup>4</sup>, and T. Venish Kumar<sup>5</sup>

## **Published online:**

4 October 2023

© The Author(s), under exclusive licence to Springer Science+Business Media, LLC, part of Springer Nature, 2023

## **Retraction Note to:**

J Mater Sci: Mater Electron (2023) 34:1417 https://doi.org/10.1007/s10854-023-10815-x

The authors have retracted this article because after the publication of the article concerns were raised for Fig. 1. After further analysis, the authors found problems in the XRD data analysis and its interpretation. Therefore, the compound,  $Mn_{0.5}Cu_{0.5}Sm_xFe_{2-x}O_4$  presented in the article is not a new single crystal but a

mixture of two different crystals. All authors agree to this retraction.

The authors have been offered to submit a revised manuscript for further peer review.

**Publisher's Note** Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

The original article can be found online at https://doi.org/10.1007/s10854-023-10815-x.

Address correspondence to E-mail: rrajeshkanna63@gmail.com



<sup>&</sup>lt;sup>1</sup> Department of Electronics and Communication Engineering, M.Kumarasamy College of Engineering, Karur, Tamil Nadu 639 113, India

<sup>&</sup>lt;sup>2</sup> Department of Physics, Sethu Institute of Technology, Virudhunagar, Tamil Nadu 626 115, India

<sup>&</sup>lt;sup>3</sup> Department of Physics, Dhanalakshmi Srinivasan College of Engineering, Coimbatore, Tamil Nadu 641 105, India

<sup>&</sup>lt;sup>4</sup> Department of Chemistry, Hajee Karutha Rowther Howdia College, Uthamapalayam, Tamil Nadu 625 526, India

<sup>&</sup>lt;sup>5</sup> Department of Electronics and Communication Engineering, Nadar Saraswathi College of Engineering and Technology, Theni, Tamil Nadu 625 531, India