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## Retraction: Synthesis and characterization of AFe<sub>2</sub>O<sub>4</sub> (A: Ni, Co, Mg)–silica nanocomposites and their application for the removal of dibenzothiophene (DBT) by an adsorption process: kinetics, isotherms and experimental design

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 Retraction of 'Synthesis and characterization of AFe<sub>2</sub>O<sub>4</sub> (A: Ni, Co, Mg)–silica nanocomposites and their application for the removal of dibenzothiophene (DBT) by an adsorption process: kinetics, isotherms and experimental design' by F. Vafae et al., *RSC Adv.*, 2021, **11**, 22661–22676, <https://doi.org/10.1039/D1RA02780H>.

DOI: 10.1039/d3ra90069j

[rsc.li/rsc-advances](https://rsc.li/rsc-advances)

The Royal Society of Chemistry, with the agreement of the authors, hereby wholly retracts this *RSC Advances* article due to concerns with the reliability of the data.

Following the publication of a previous correction to replace the XRD patterns in Fig. 4a and b,<sup>1</sup> a new concern has been identified with the published article. The XRD patterns in Fig. 2b and both the original Fig. 4a and b contain multiple overlapping sections. In addition, new information brought to the attention of the Editor undermines the integrity of the authors' original explanation, meaning that the Editor has lost confidence that the findings presented in this paper are reliable.

Omid Amiri, Mansour Jahangiri, and Masoud Salavati-Niasari wish to state that they had no role in preparing the XRD data.

This retraction supersedes the information provided in the correction<sup>1</sup> related to this article.

Signed: Fahimeh Vafae, Samira Mandizadeh, Omid Amiri, Mansour Jahangiri, Masoud Salavati-Niasari

Date: 24/7/2023

Retraction endorsed by Laura Fisher, Executive Editor, *RSC Advances*

## References

- 1 F. Vafae, S. Mandizadeh, O. Amiri, M. Jahangiri and M. Salavati-Niasari, Correction: Synthesis and characterization of AFe<sub>2</sub>O<sub>4</sub> (A: Ni, Co, Mg)–silica nanocomposites and their application for the removal of dibenzothiophene (DBT) by an adsorption process: kinetics, isotherms and experimental design, *RSC Adv.*, 2022, **12**, 20973–20974, DOI: [10.1039/D2RA90075K](https://doi.org/10.1039/D2RA90075K).

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