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Retraction: Sequestration of chromium(vi) and nickel(ii) heavy metals from unhygienic water via sustainable and innovative magnetic nanotechnology

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Retraction of 'Sequestration of chromium(vi) and nickel(ii) heavy metals from unhygienic water via sustainable and innovative magnetic nanotechnology' by Noor Zulfiqar *et al.*, *Nanoscale Adv.*, 2024, 6, 287–301, <https://doi.org/10.1039/D3NA00923H>.

The Royal Society of Chemistry hereby wholly retracts this *Nanoscale Advances* article due to concerns with the reliability of the characterisation data in the published article.

The X-ray powder diffraction data in Fig. 2 contains anomalies and unusual peak shapes. Subsequent recharacterization of the material by the authors gave significantly different diffraction data. Additionally, the particle sizes were stated to be ~8 and ~9 nm in the original paper but subsequent recharacterization resulted in particles sizes of ~18 nm. An expert has reviewed the data and concluded that the material characterisation is inconsistent, and the original conclusions of the work are therefore not reliable.

The authors do not agree with this retraction.

Jeremy Allen, Executive Editor, *Nanoscale Advances*

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