

RETRACTION

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Cite this: *Environ. Sci.: Water Res. Technol.*, 2022, **8**, 3155

DOI: 10.1039/d2ew90058k

rsc.li/es-water

Retraction: Reductive immobilization of uranium by PAAM-FeS/Fe₃O₄ magnetic composites

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Retraction of 'Reductive immobilization of uranium by PAAM-FeS/Fe₃O₄ magnetic composites' by Dadong Shao et al., *Environ. Sci.: Water Res. Technol.*, 2015, **1**, 169–176, <https://doi.org/10.1039/C4EW00014E>

The Royal Society of Chemistry hereby wholly retracts this *Environmental Science: Water Research & Technology* article due to concerns with the reliability of the data in the published article.

There are unexpected similarities in sections of the XRD patterns for PAAM/Fe₃O₄ and Fe₃O₄ in Fig. 1D. The authors stated that the two XRD patterns look similar but are different. An independent expert was consulted who reviewed the response and data provided by the authors. The expert commented that the authors had not supplied the raw unedited data, and therefore the original data could not be evaluated. The expert conducted their own analysis of the data provided by the authors and confirmed that there are some almost identical regions in the XRD patterns. They also noticed some unusual plateaus in the background region for Fe₃O₄ between 21.68° and 21.78°, 26.8° and 27.94° and 33.2° and 33.6° where there was very little or no variation in value of intensity. The expert stated that this could be indicative of peak removal from the diffraction data and that these data may have been manipulated. The expert also observed that whilst the PAAM sample did not show the same flat background, the XRD of that material also looked unusual in the same region.

The authors have been contacted but have not responded to confirm whether they agree to retract the article.

Signed: Neil Scriven, Executive Editor, *Environmental Science: Water Research & Technology*

Date: 3rd November 2022

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