

Cite this: *Mater. Adv.*, 2026,  
7, 662

DOI: 10.1039/d5ma90105g

rsc.li/materials-advances

## Correction: A three-dimensional ZnO/TUD-1 nanocomposite-based multifunctional sensor for humidity detection and wastewater remediation

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The authors regret a mistake in the Author contributions statement and that this should have read:

### Authors contributions

In this work, Aryan Boora performed the synthesis, collected and analysed the data, optimized the results and wrote the paper. Bhavna Rohilla, Priya Malik, and Supriya Sehrawat revised it to enrich its core intellectual content. M. S. Goyat and Y. K. Mishra critically reviewed the study. Surender Duhan reviewed and endorsed the final version of the manuscript, accepting responsibility for its accuracy and integrity.

During the course of this correction, concerns were raised regarding the reliability of the XRD data in Fig. 4. The authors provided a full response and the raw data, which an independent expert has viewed and confirmed that these match the published work and they have no concerns, but suggested the machine used should have been disclosed in the manuscript. The first sentence of the section "2.3 Characterisation" should have been:

Powder X-ray diffraction patterns were obtained using a Rigaku Ultima-IV diffractometer (45 kV and 40 mA) equipped with Cu K $\alpha$  radiation ( $\lambda = 1.54 \text{ \AA}$ ) with the angle varying from 20–80°.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

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