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RETRACTION



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Retraction: Investigation of the effect of thermal annealing of Ni-cobaltite nanoparticles on their structure, electronic properties and performance as catalysts for the total oxidation of dimethyl ether

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Retraction of 'Investigation of the effect of thermal annealing of Ni-cobaltite nanoparticles on their structure, electronic properties and performance as catalysts for the total oxidation of dimethyl ether', by Mevoa *et al.*, *Catal. Sci. Technol.*, 2023, **13**, 6041–6058, https://doi.org/10.1039/D3CY00807J.

The Royal Society of Chemistry, after several exchanges on this issue with the authors, hereby wholly retracts this *Catalysis Science & Technology* article due to concerns with the reliability of the data.

In Fig. 1c and e, the XRD patterns contain unexpected features. In addition, segments of the XRD pattern in Fig. 1b have been duplicated from a previously published work by Zigla *et al.*¹

In Fig. 5 the EDS spectrum contains repeating patterns and evidence of irregularities in the background.

Patrick Mountapmbeme Kouotou has provided corrected figures from the original data but they have been unable to satisfactorily explain the irregularities.

Given the significance of the concerns about the data, the findings presented in this paper are no longer reliable.

The authors have been informed about the retraction of this article.

Stephane Kenmoe, Dick Hartmann Douma, Katia Nchimi Nono, Ralph Gebauer and Patrick Mountapmbeme Kouotou agree with the decision to retract this article. Muhammad Waqas and Daniel Manhouli Daawe did not respond to any correspondence regarding this retraction. Daniel Onana Mevoa could not be contacted.

Ralph Gebauer, Stephane Kenmoe and Dick Hartmann Douma have stated that as theoreticians involved in the computational part of the work, they cannot comment on the irregularities of the XRD and EDS spectra.

Patrick Mountapmbeme Kouotou has stated he was involved in designing the experimental conditions, improving the explanation and revising the context, but was not involved in taking and evaluating the XRD/EDS data nor drawing the figures. As the supervisor of the experimental part he strongly apologizes for not paying enough attention to detect the anomalies in question.

Katia Nchimi Nono has stated that her role in the preparation of this article was limited to reviewing the manuscript draft, and she was not involved in the experimental work and data collection. Therefore, she cannot comment on the irregularities of the XRD and EDS spectra.

Signed: Ralph Gebauer, Stephane Kenmoe, Dick Hartmann Douma, Patrick Mountapmbeme Kouotou, Katia Nchimi Nono Date: 1st May 2025

Retraction endorsed by Maria Southall, Executive Editor, Catalysis Science & Technology



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