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Retraction: CO₂ as oxidant: an unusual light-assisted catalyst free oxidation of aldehydes to acids under mild conditions

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Retraction of 'CO₂ as oxidant: an unusual light-assisted catalyst free oxidation of aldehydes to acids under mild conditions' by Shafiur Rehman Khan *et al.*, *Chem. Commun.*, 2022, **58**, 2208–2211, <https://doi.org/10.1039/D1CC06057K>.

The Royal Society of Chemistry hereby wholly retracts this *Chemical Communications* article due to concerns with the reliability of the NMR spectra reported in the supporting information.

Repeating fragments can be observed in the baselines of multiple NMR spectra including the ¹H NMR spectra in Fig. S1, S3, S9, S13, S15 and S17, and the ¹³C NMR spectra in Fig. S12, S14, S16 and S18.

There are inconsistencies between the appearance of the baseline and peaks in multiple NMR spectra, including the ¹H NMR spectra in Fig. S5 and S9, and the ¹³C NMR spectra in S2, S8, S10 and S14.

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

All authors were informed about the retraction. Suman L. Jain accepts the decision to retract. The following authors requested to include the following statements regarding their contributions, but did not state whether they agree or disagree with the decision to retract. The other authors did not respond.

Shafiur Rehman Khan was involved in the experimental work, product characterization and synthesis, and preparation of the supporting information file.

The contributions of K. Naresh, Alka Kumari and Vineet Aniya to this article were solely demonstrating the reaction in the flow photoreactor. They were not involved in preparing, analyzing, or presenting the NMR spectra while preparing the manuscript.

Richard Kelly, Executive Editor, *Chemical Communications*
 12th December 2024.

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