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Data Checks in ACS Organic & Inorganic Au

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Data are shaping the future of humanity. We want the data published in and associated with ACS journals to be high-quality, robust, and, where it is ethically and legally feasible, accessible. We strongly endorse the FAIR Data Principles¹ and ACS *Organic & Inorganic Au* will be involved in spearheading ACS' move to be a leader in data standards.


ACS *Organic & Inorganic Au* encourages all researchers to submit data alongside their manuscripts. We encourage authors to submit free induction decay (FID) data alongside publications and include a note in published work to say when "FAIR" data is available.² We also encourage the deposition of data in open repositories. Authors may refer to re3data.org and FAIRsharing.org for information on available repositories, their certification status, and services offered. Last Fall, the ACS Research Data Policy was launched on the ACS Publishing Center to provide best practice recommendations for data citation, Data Availability Statements, and the use of appropriate data repositories. In addition, the ACS Publishing Center also features a section dedicated to ACS Research Data Guidelines. These guidelines are a living reference source to support researchers to include data as a prioritized publication component. Current guidelines include Biological data, Simulations, Machine Learning, Computational Data, and Organic chemistry data, and coming soon in 2022, Nanoscience, Materials science, and Energy.

In March 2022, ACS *Organic & Inorganic Au* rolled out our new data check. This process is analogous to the process at our sister journals, *The Journal of Organic Chemistry* and *Organic Letters*. It ensures that the data presented in Articles, Letters, Reviews, and Perspectives are robust and reliable. In doing this, we are also keen to ensure that the organic chemistry

community experience consistent processes across all our organic chemistry journals. A member of our Data Team will check the data in the manuscript, and feedback will be included in the decision letter. When the revised manuscript is submitted, the data team reviews the revision to ensure the data meets journal requirements prior to acceptance.

This is the first important step that ACS *Organic & Inorganic Au* is taking to embrace data as a prioritized publication component. Do keep an eye out for future developments from the journal—we have some exciting data initiatives on the horizon! We hope our authors and readers share our passion for the future of open data and open science.

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Notes

Views expressed in this editorial are those of the authors and not necessarily the views of the ACS.

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