

PUBLISHING WITH ACS AND A PERSPECTIVE OF ARTIFICIAL INTELLIGENCE FROM THE EDITORIAL TEAM OF ENVIRONMENTAL SCIENCE & TECHNOLOGY

Speaker

Dr. Margaret Mills

Dr. Xiaogang Jiang

ACS Publications

Abstract

The American Chemical Society (ACS) takes the integrity of the research it publishes extremely seriously to maintain its status as 'Most Trusted'. The use of Artificial Intelligence (AI) tools is essential in our editorial processes to spot discrepancies in the many thousands of submissions we receive each year, for example related to plagiarism, papermills, authorship for sale, compromised peer review, and image duplication/ manipulation. The ethics around the use of AI by authors and peer reviewers are also discussed, as society strives to ensure the highest ethical standards are maintained.

The session also focuses on empowering researchers to make their work stand out. From the editor's and reviewer's perspective, it reveals the behind-the-scenes process of manuscript evaluation and offers practical guidance on how to prepare and present research clearly and professionally. By understanding editorial expectations and improving communication strategies, authors can be more effective in the global scientific dialogue.

Biography

Dr. Margaret Mills is a senior managing editor for several environmental journals within the Environmental Science & Technology portfolio at the American Chemical Society, including ES&T. Prior to joining ACS in 2019 she was an environmental fate expert with the agrochemical company Syngenta, researching and reporting on the environmental chemistry, behaviour, and fate of herbicides, fungicides, and insecticides used in agricultural and horticultural applications.

Dr. Xiaogang Jiang received his Ph.D. in Environmental Chemistry and Toxicology from the University of Copenhagen. He currently serves as Managing Editor at the American Chemical Society, where he is responsible for content planning, special issue development, and institutional collaborations in China for ACS journals in the fields of environmental science, sustainability, and agriculture and food. He is also the Co-Chair of the Asia-Pacific Committee of the International Society of Managing and Technical Editors (ISMTE). Prior to joining ACS in 2021, Dr. Jiang worked as a Scientist at Procter & Gamble.



**4 December 2025
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**Room 3574 (Lift 27/28),
Civil Engineering
Conference Room,
HKUST**

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