

# CHALLENGES IN PUBLISHING ETHICS AND INTEGRITY

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A published article is considered to be the most complete public documentation on someone's research work. This is the reason why most cases of research misconduct, which is a form of academic misconduct, are discovered when articles are published in scientific journals. In medicine, the COVID-19 pandemic has revealed the challenges in scientific publishing, which led to redefinition of some editorial policies, more extensive sharing of research data, acceleration of peer review and editorial decision-making process, as well as increased importance of rapid and open communication of research results via preprints, before a formal peer review. Scientific publishing has also moved into a digital world, which enables rapid communication of large

volume of research data. While these changes brought significant benefit to scientific communication and translation of research into practices, they also opened many concerns about the integrity of the published record and misuse of the current publication process. This keynote will address the benefits and challenges of the new developments in research publishing and actions that need to be taken by all stakeholders in scientific publishing: researchers and their research/academic organizations, funding agencies, policy makers, journal editors and publishers, as well as bibliographical databases and other service providers in publishing.