

# What does **better** peer review look like?

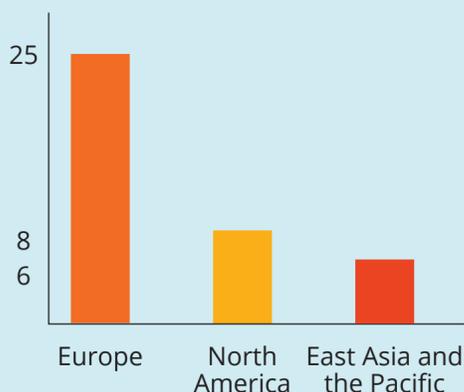
Michael Willis, Senior Manager, Peer Review at Wiley, on behalf of the project team\*

## 39 case studies



Editors-in-Chief, Managing Editors, Publishers, Peer Review Managers of journals published by Wiley in:

- Agriculture, Aquaculture & Food Science
- Business, Economics, Finance & Accounting
- Earth, Space & Environmental Sciences
- Life Sciences
- Medicine
- Nursing, Dentistry & Healthcare
- Physical Sciences & Engineering
- Psychology
- Social & Behavioral Sciences



## 5 essential areas



- Integrity** Peer review establishes that the work is reliable and potentially reproducible.
- Ethics** Peer review establishes that the work was conducted ethically.
- Fairness** Peer review is objective and impartial.
- Usefulness** Peer review is constructive and helpful.
- Timeliness** Peer review provides timely feedback for researchers.

## Next steps

1. Present, discuss, and improve.
2. Interview people who shared case studies.
3. Create and publish clear recommendations for better practice.
4. Help people to implement the recommendations.

## Better practice

For example...

1. Emphasize to peer reviewers that research "quality" is about integrity first.
2. Require comments from peer reviewers about the research methods.
3. Expect researchers to share and cite data alongside their research articles.
4. Remind peer reviewers that confidentiality is expected and required.
5. Use mechanisms to reduce bias.
6. Use processes to encourage more collaborative and less adversarial peer review.
7. Declare conflicts of interest for members of the editorial team, publish them, and update them annually.
8. Publish summary data on times to decision and publication.
9. Support peer reviewers and editors in their efforts to complete their (sometimes voluntary) work in the time expected.
10. Use technology to aid faster manuscript processing and to support more efficient editorial office operations.

## What do you think?

\*The Peer Review Gold Standards project team at Wiley is: Heidi Allen, Emma Boxer, Alex Cury, Tom Gaston, Chris Graf, Ben Hogan, Stephanie Loh, Hannah Wakley, Michael Willis. We'd like to thank all the people who contributed case studies.

We'd love your case study here:

<https://goo.gl/forms/gi2X6pr5IAhyfJGf1>

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