

Peer-Review: Why, How-To, and What Not To Do

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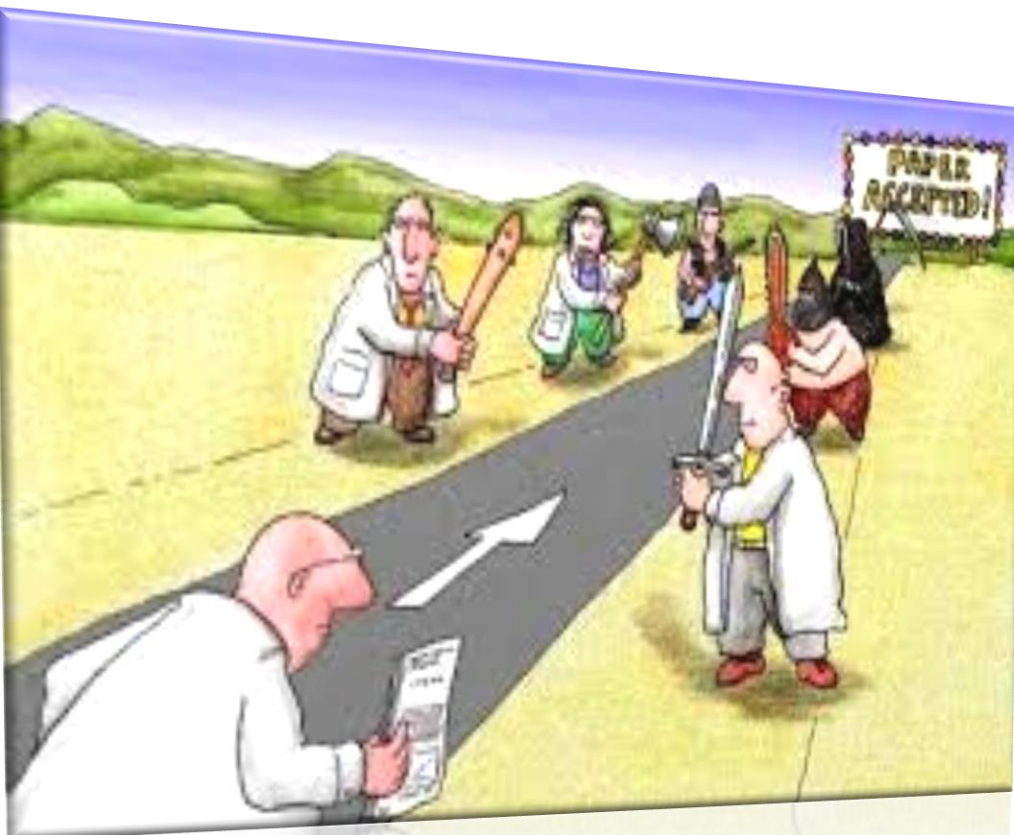
- 同行評審介紹
- ACS 期刊同行評審流程
- 如何與審稿專家、期刊編輯有效溝通



Scholarly peer review is the practice of subjecting scholarly work to the scrutiny of experts in the field, with the goal of validating and improving the content prior to publication.

學術出版的同行評審，主要指具有相關背景的專家對論文或書籍進行評價、提出建議。目的是在正式出版之前對內容的**可信性**、**可行性**進行判定，並給出改進建議。總體來說，學術同行評審是壹位研究人員為另外壹位研究人員就觀點、概念或者活動提供建議的努力。





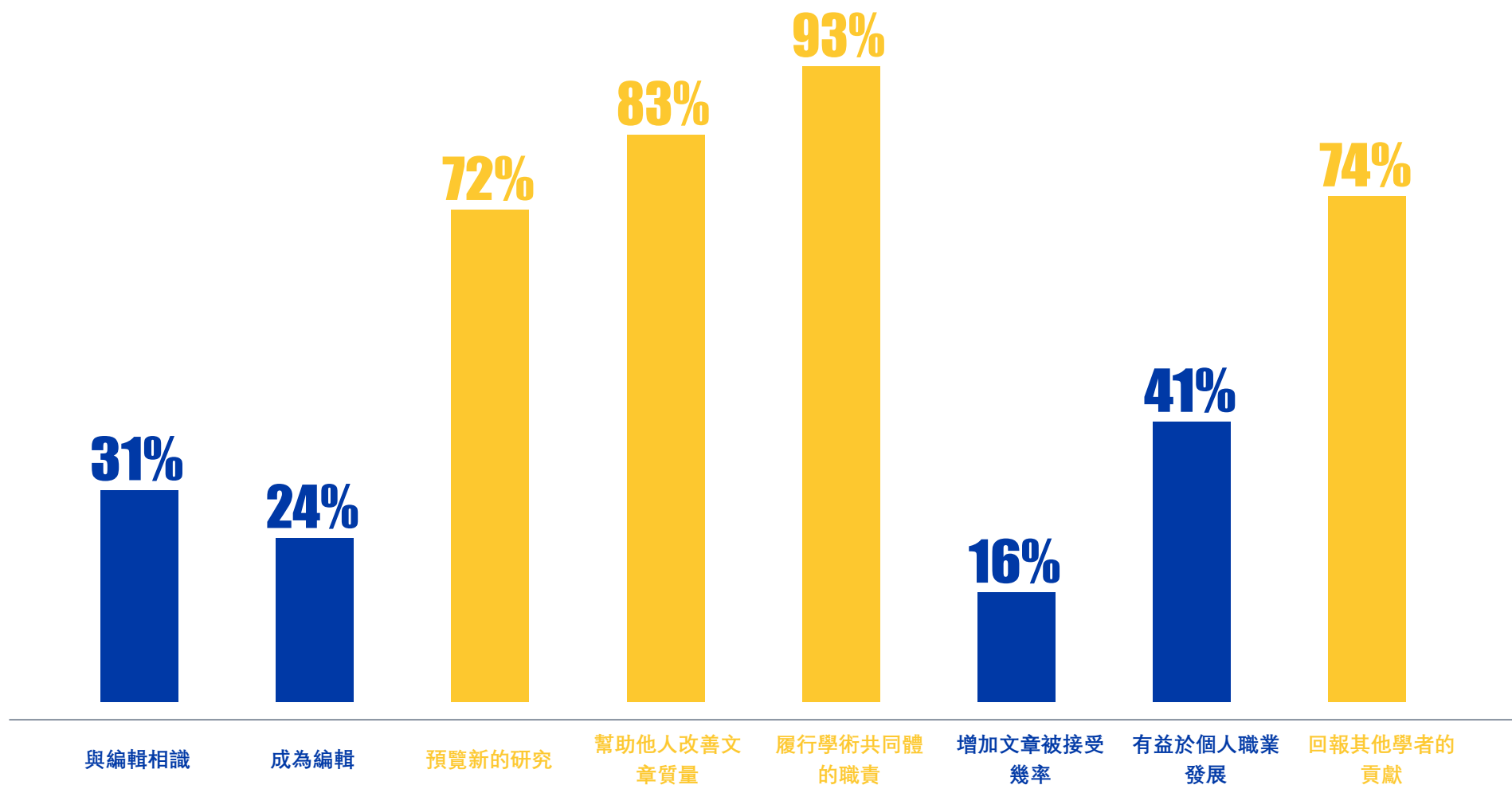
- *Peer review is the principal mechanism by which the quality of research is judged.*
保證科學研究質量的重要機制
- *Scrutiny by scientific peers is an invaluable step in the publication process and helps maintain a high standard for published research.*
保證學術出版質量必須的步驟
- *As a research active member of the scientific community, participating in peer-review is an important way to engage with others in your area of expertise.*
參與同行評審是與領域內學者溝通交流的重要渠道

Why Do Reviewers Volunteer Their Time | 為什麼審稿人貢獻



Publishing Research Consortium
Peer review survey 2015

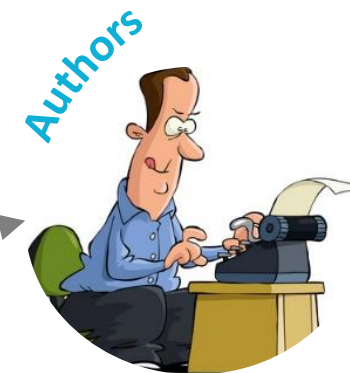
May 2016



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*Editors are interested in considering papers that are within their **Journal's Scope** and will be well appreciated by their **Readership***



*“Prescreening ensures that only those manuscripts that we believe have potential to be published in our pages reach the referees.” **

Not all submissions are reviewed externally

並非所有稿件均送外審

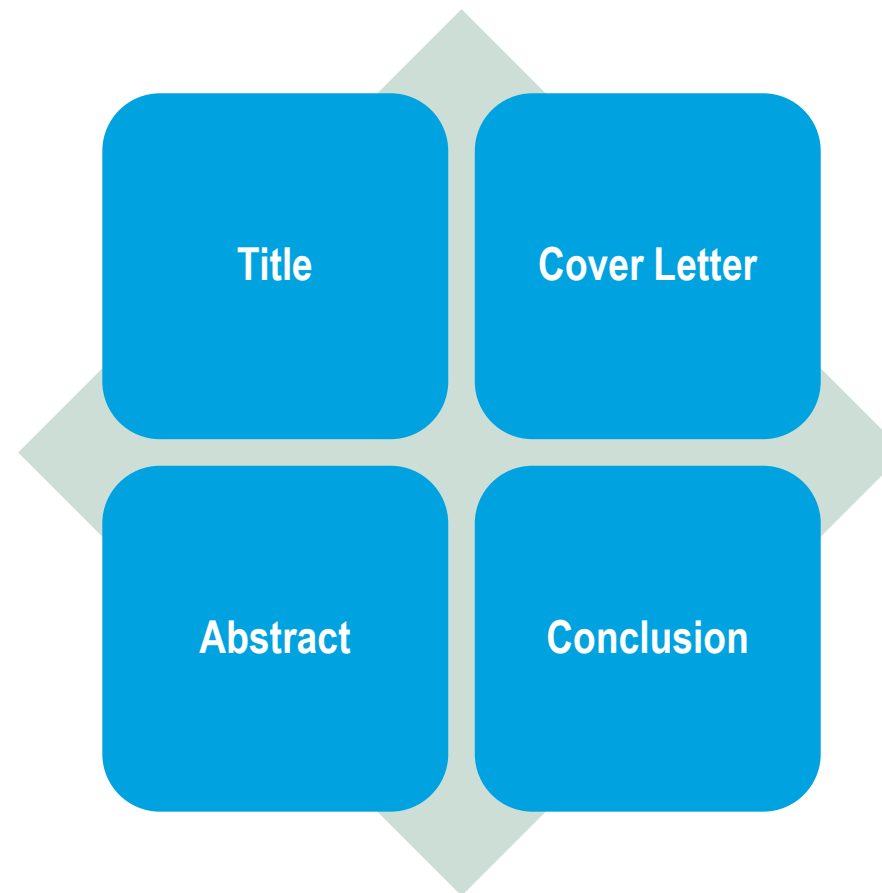
The editors pre-screen for

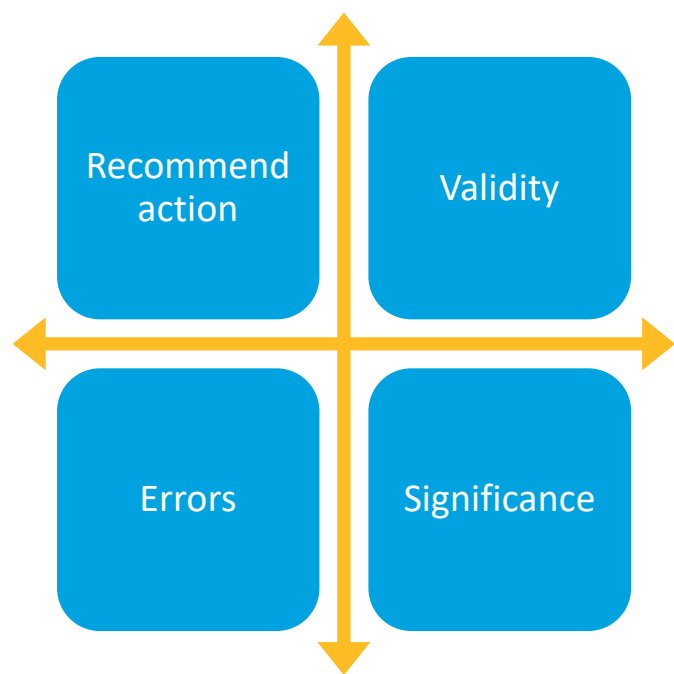
編輯初審考量三點

Scope 是否符合期刊範圍

Scientific Merit 科學價值

Significance 重要性





*“A reviewer should judge **objectively the quality** of the complete manuscript and the Supporting Information, including the experimental and theoretical data, the interpretations and exposition, with due regard to the maintenance of high scientific and literary standard.” **

客觀評價質量，包括正文，補充材料，實驗細節，理論模擬，以維持學術和文獻的質量。

- 誤區壹：未聯系編輯，直接將文章給學生或者同僚審稿
 - 誤區二：忽視利益相關性的影響
 - 誤區三：僅關注於文章缺點
 - 誤區四：提改善建議時，不考慮對主題的貢獻
 - 誤區五：對文章可能產生的影響，未能放在學科發展的大背景下考量
 - 誤區六：審稿報告欠缺邏輯方面的考量
- 等等 ...



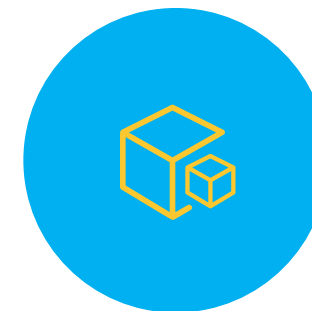
Close friends



Contentious Relationship



Financial gain



Similar project



1

Do you consider yourself knowledgeable enough in the field of the manuscript to properly assess it?

YES

專業知識

利益相關

2

Do you have personal or financial conflicts of interest that would affect your objectivity or could be perceived to?

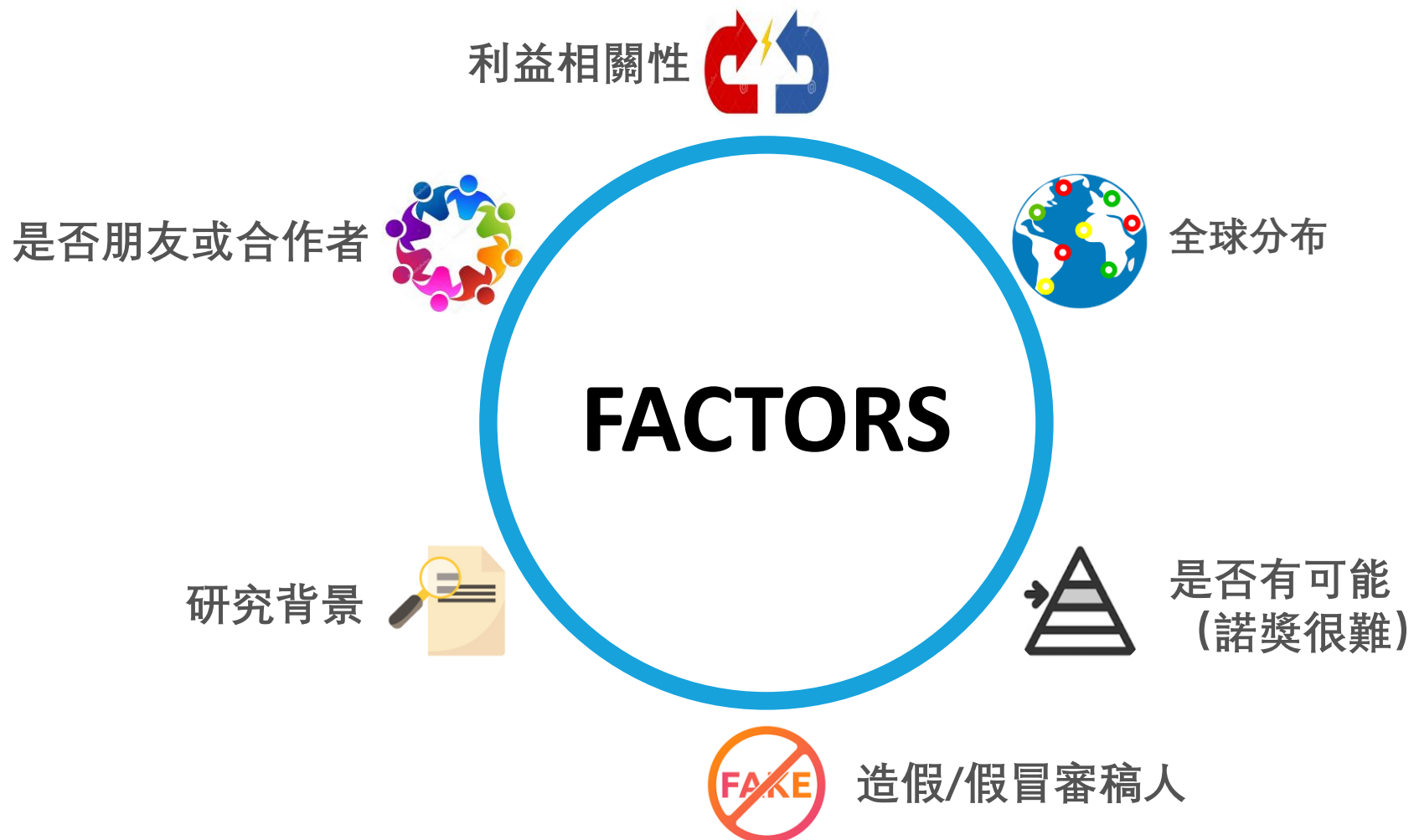
NO

3

Do you understand the journal's goals for review and have enough time to complete the review by the deadline?

YES

時間合適



內容概要

- 同行評審介紹
- ACS 期刊同行評審流程
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UNDERSTAND
理解每條建議並評估相對重要性

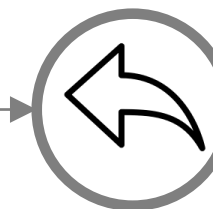
RESPONSE
回復審稿人建議



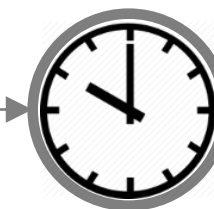
READ
仔細閱讀編輯決定
和審稿建議



Necessary Experiments
如果有必要，補充實驗數據



Be Timely
及時聯系副主編



- 誤區壹： Positive vs. Negative 給正面建議的審稿人多， 文章應該被接受？
- 誤區二： Shall I satisfy all suggestions from Reviewers? 審稿人的建議要全部滿足？
- 誤區三： Appeal or Not? 文章被拒， 壹定要申訴？

等等 ...

As an Author:

- Reviews are not meant to be personal.
- Everyone gets a manuscript declined, even the editors!
- If you become angry after reading a review, cool off before responding.
- Your response should be professional and scientifically-based.

As a Reviewer:

- Respond quickly.
- If you are unable to review, suggest alternate reviewers.
- Substantiate your review with science, do not just provide an opinion.



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of scholarly peer review

What advice
do you have
for peer
reviewers?



Tell us about
your experience
as a reviewer



Why are peer
reviewers so
important?



通过 6 个互动模块来掌握同行审稿



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什么是同行审稿？了解同行审稿的基本知识及其在学术出版中的关键作用。



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学习如何应对在同行审稿过程中可能出现的有争议道德问题、潜在的利益冲突和个人偏见。



3. 审稿准备

每份期刊都各具特色，科技文献也在不断发展。评估稿件前做好准备，有助于更全面深入地审稿。



4. 评估意义和技术质量

审稿人的关键职责是评估稿件的科学性和可能产生的影响。了解如何有效衡量影响力和评价技术质量。



5. 评估表达和出版规范

文章表达非常关键。使用课程中的工具评估稿件整体表达，并识别安全性和数据方面潜在的问题。



6. 撰写审稿报告

优质的审稿包含哪些因素？学习如何写出一篇优质审评并清晰地表达您的观点。

面向科研人员的同行审稿培训

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+ How To Write A Scientific Article

+ How Do You Start Writing A Paper?

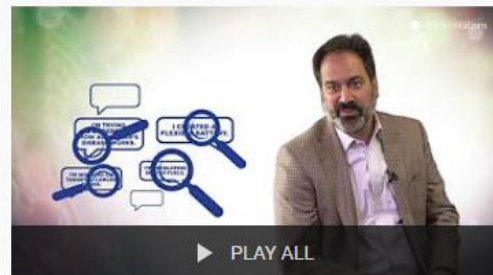
+ Advice For Handling Rejection

+ Authorship

+ Funding

+ Open Access

+ Copyright



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eISBN: 9780841235830

DOI: <https://doi.org/10.1021/acsguide>

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