Texas State University Libraries

September 26, 2023

FRIENDLY FEEDBACK:

Peer Review and the Research Process

Presented by: Kristin Van Diest, Erin Dorrell, Gab Alderete-Cruz

AGENDA

TEAM MEMBERS

KRISTIN VAN DIEST

Digital Publishing Librarian

DR. ERIN DORRELL

Undergraduate Research Librarian

GAB ALDERETE-CRUZ

Digital Initiatives Librarian

Participate

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PEER REVIEW BASICS

Peer review is when academic work especially as it pertains to journals, is assessed on quality, integrity, and originality through a rigorous review process.

Types of Peer Review
Single-blind
Double-blind
Open
Transparent
Collaborative or Interactive
Post-publication, Post-publication commenting, and Pre-print commenting

THE PROCESS

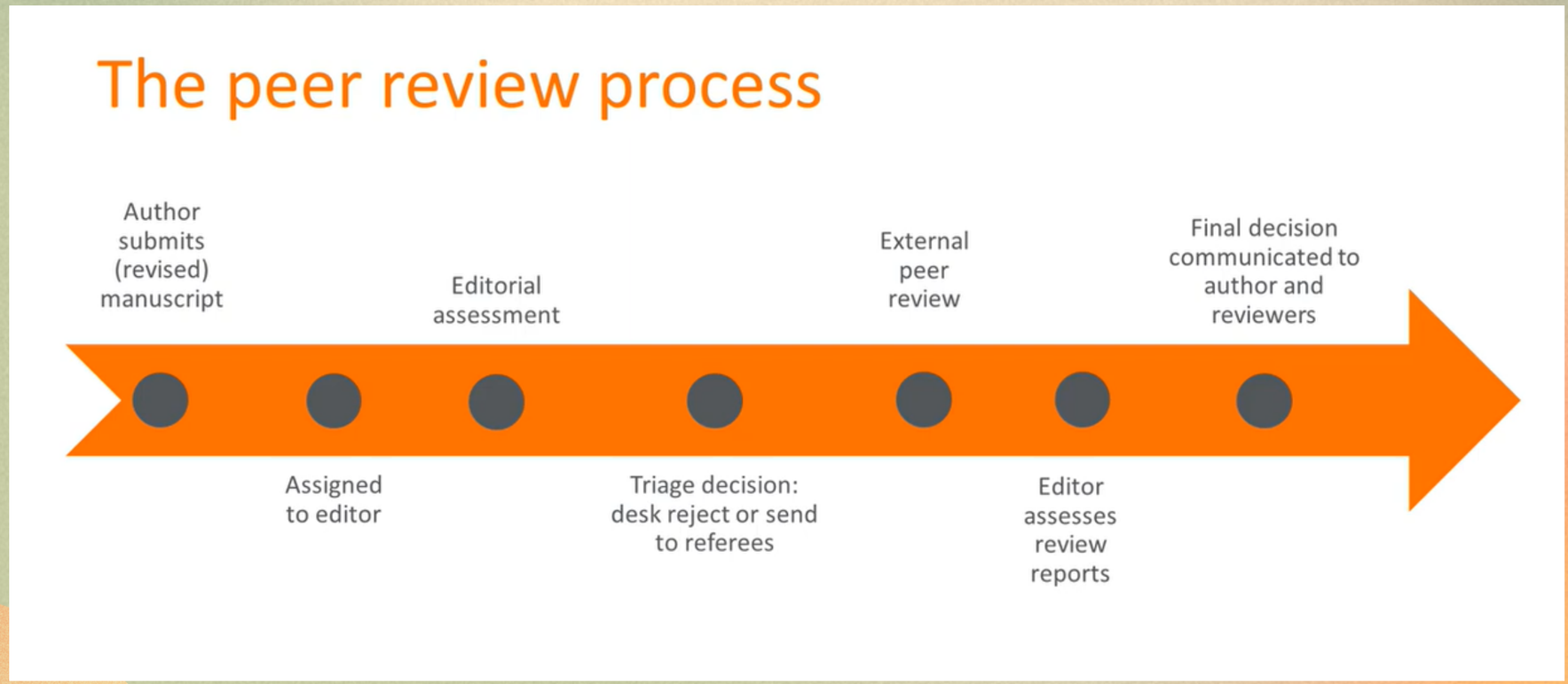


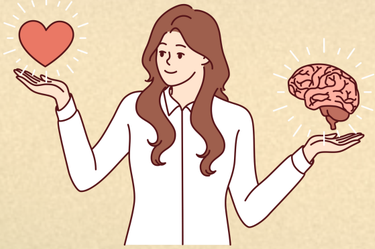
Image Source: https://beta.elsevier.com/reviewer/what-is-peer-review?trial=true

JUDGEMENT OPTIONS

Every journal has different guidelines and judgement processes.

Accepted
Minor revisions
Major revisions
Reject and Resubmit
Rejection

PEER REVIEW SKILLSET



JUDGMENT

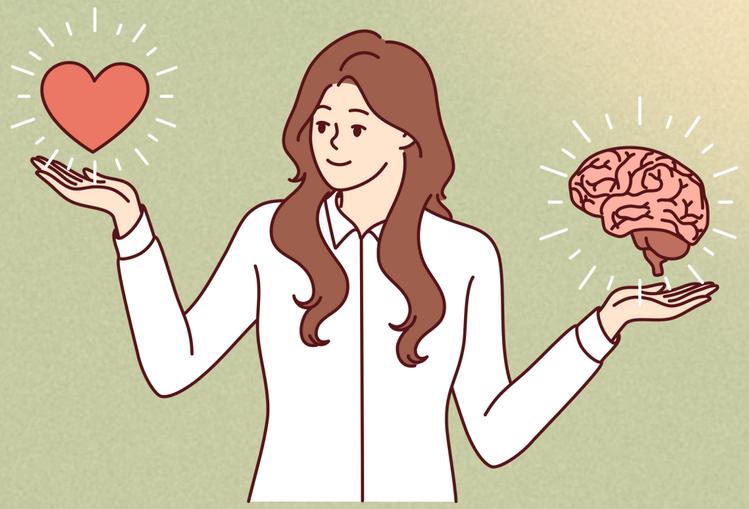
ACCOUNTABILITY

COMMUNICATION

TRANSPARENCY

PEER REVIEW SKILLSET

JUDGMENT



Review Yourself

- Qualified and knowledgeable?
- Enough time?
- Conflicting interests?

PEER REVIEW SKILLSET

ACCOUNTABILITY

Review Yourself

- Commitment?
- Follow-through?
- Integrity?

PEER REVIEW SKILLSET

COMMUNICATION

Review Yourself

- Timely?
- Professional?
- Unbiased?
- Self-motivated?

PEER REVIEW SKILLSET

TRANSPARENCY

Review Yourself

- Willing to disclose personal issues?
- Bring to light ethical problems?
- Stand-up for professional standards?

ETHICS OF PEER REVIEW

Confidence in Research
Data Falsification
Identifying Plagiarism
Researcher Misconduct
Comprehension Level
Harmful Recommendations

PREDATORY PUBLISHERS

Journal Title	Journal Website
Peer-Review Process	Article Processing Fee
Email Solicitations	Quick Timeline
Author Rights	Editorial Board

RESOURCE PAGE

F1000 Research: Driving integrity and trust in research: A peer review toolkit
COPE Ethical guidelines for peer reviewers
GSA Journals Peer Review Training Program
PLOS Peer Review Center
Altum: 5 Steps to Running a Successful Grant Peer Review
TXST Library Peer Review Week Libguide

PEER REVIEW WEEK LIBGUIDE

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Search this Guide

Peer Review Week

Whether you are new to peer reviewing or are a seasoned professional, this guide will provide you with information to better understand the peer review process and landscape. Inspired by Peer Review Week, it will be updated yearly to offer new resources.

Home

Peer Review Week 2023

Digital Publishing Librarian

Kristin Van Diest
She/her/hers

EMAIL ME

Schedule Appointment

About

Peer review week is an annual week dedicated to the scholarly process of peer review.

What is peer review?

According to the Committee on Publication Ethics (COPE), "Peer review is the process by which a piece of scientific research is assessed by others—a researcher's fellow peers—who are suitably qualified and able to judge the piece of work under review in terms of novelty, soundness and significance" (2017).

Peer review helps to ensure that high-quality, accurate, and ethical work is being published. It is an integral part of the research process and a staple in the academic research community. Students can also benefit from learning the peer review process. In the book *Student-Led Peer Review: A Practical Guide to Implementation Across Disciplines and Modalities*, the authors state that "student-led peer review is a powerful tool for learning. It helps students master academic content, improve the quality of their work, and develop self-evaluative, interpersonal, and practical workplace skills" (Lowe et. al, 2022).

How does it work?

Once a manuscript is submitted to a journal for publication, an editor or editorial team collaborates with a group of peer reviewers to evaluate it. Usually the editor(s) function as the initial screening layer, through which manuscripts that are deemed within scope and of high quality are passed on to peer reviewers for commenting and review. The peer reviewers then read the manuscript, making notes or commenting as they see fit. Each journal has a set of guidelines for peer reviewers to follow that can be extensive or simple. Following the review, the annotated manuscript is then returned to the author, allong with the decision of the peer reviewer. Decisions can fall under five major categories:

1. Accept: the reviewer believes that the manuscript is ready for publication as is.

PLOS PEER REVIEW CENTER

Reviewer Resources | About

GET STARTED

HOW TO

10 Tips for Getting Started as a Peer Reviewer

Are you thinking about being a peer reviewer but aren't sure where to start? Are you concerned that you don't have...

Read more...

RESPOND TO AN INVITATION

HOW TO

You've Been Invited to Review. Now What?

When you get an invitation to review a manuscript for a journal, what's the first thing you should do? How do you...

Read more...

READ A MANUSCRIPT

HOW TO

How to Read a Manuscript as a Peer Reviewer

What should you focus on when you review a scientific manuscript? This guide walks you through the process of reading a paper...

Read more...

WRITE A REVIEW

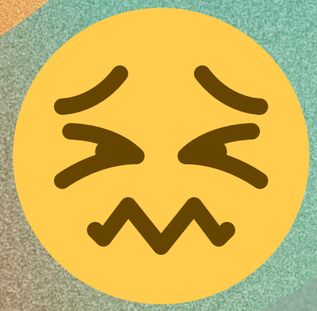
HOW TO

How to Write a Peer Review

When you write a peer review for a manuscript, what should you include in your comments? What should you leave out? And...

Read more...

QUESTIONS?





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CHECK-IN

Thank you!