

The quality, integrity, dissemination and preservation of scholarly research depends on publishers.

Once the research is done, publishers are engaged to review, improve and contribute to the communication of research. Publishers do numerous things in the service of the research community. Highlights of these investments and their role in the research process are below. For more detail:

<http://bit.ly/2aehKGu>

-  **2.5 million articles published/year**
-  **5 million drafts submitted/year**
-  **28,000 journals**
-  **40,000 U.S. scholarly publishing employees**
-  **3% annual growth globally in number of active researchers and number of articles published**

Research Process

Research Process

- Experiments
- Data collection
- Simulations & calculations
- Analysis
- Literature review

Outputs

- Synthesized research data
- Grant funder reports
- Conference presentations
- Draft articles
- Data sets

Editorial Process

Initial Investment

- Create and promote journal for communicating research
- Form editorial board
- Develop manuscript tracking system

Initial Review

- Journal receives & processes draft
- Editorial determination

Publisher-Supported Peer Review

- Reviewer selection
- Peer review
- Editorial synthesis of review(s)
- Author revisions
- Editorial and reviewer assessment
- Assess for ethical considerations
- Compilation of materials needed for publication

Publication Process

Publisher Preparation for Final Publication

- Assign digital article identifier
- Copy editing
- Layout and design
- Verify references
- Graphic preparation
- Plagiarism check
- Proof PDF & version of record
- Multimedia integration
- Links to supplementary material
- XML tagging & metadata of full text
- Search engine optimization
- Submit to abstracting, indexing & discovery services
- Publish article (online & print)

Publisher Stewardship of Published Article

- Deposit to digital archives
- Update articles: corrections and addenda
- Update links to future published articles
- Usage counting, citation and other metrics
- Research promotion and author and reviewer recognition
- Ensure utility and discoverability of published works
- Copyright and plagiarism protection for author & publisher
- Enhance platform functionality
- Platform migration



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