WIKIPEDIA-INTEGRATED ACADEMIC PUBLISHING

MAXIMISING REACH AND IMPACT
The WikiJournal User Group publish a set of open-access, peer-reviewed academic journals with no publishing costs to authors. Its goal is to provide free, quality-assured knowledge. Secondly, it aims to bridge the Academia-Wikipedia gap by enabling expert contributions in the traditional academic publishing format to improve Wikipedia content.
# Example Case Studies in WikiJournals

<table>
<thead>
<tr>
<th>Quality</th>
<th>Wikipedia page</th>
<th>Full Review Articles</th>
<th>Article Sections</th>
<th>STAND-ALONES</th>
<th>Partner Articles</th>
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<tbody>
<tr>
<td>Absent</td>
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<td>Research articles</td>
<td>More technical partner</td>
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<td>Case studies</td>
<td>• Viewer interaction with YouTube videos about hysterectomy recovery</td>
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<td>Teaching methods</td>
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<td>• Medical gallery of Blausen Medical3</td>
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</table>

- **Existing high-quality Wikipedia article updated and submitted**
  - Peripatric speciation
  - Rosetta stone

- **Existing high-quality Wikipedia article previously existing but flawed/outdated**
  - Lysine

- **Existing high-quality Wikipedia article previously completely absent/stub**
  - Anthracyclines

- **Wikipedia article section that warranted own page**
  - Gene structure

- **Wikipedia article previously lacked images**
  - Cell disassembly during apoptosis

- **Research articles**
  - Viewer interaction with YouTube videos about hysterectomy recovery

- **Case studies**
  - Acute gastrointestinal bleeding from a chronic cause: a teaching case report

- **Teaching methods**
  - A card game for Bell’s theorem and its loopholes

- **Systematic reviews**
  - Mealtime difficulty in older people with dementia

- **Image galleries**
  - Medical gallery of Blausen Medical3
[END]
[EXTRA SLIDES]
DEVELOPMENT OF CONCEPTS

2008 – RNA Biology starts requiring authors to update Wikipedia

2012 – PLOS Comp Biol starts publishing ‘topic page’ review format

2013 – Gene starts Gene Wiki Reviews

2014 – Open Med puts Wikipedia page through peer review

2014 – WikiJMed publishes first issue

2018 – PLOS Genetics also starts publishing ‘topic page’ format

2018 – WikiJSci & WikiJHum publishes first issue
BRIDGING THE ACADEMIC DIVIDE

- Content published into both Wikipedia and academic corpus
  - Stable, citable, peer-reviewed journal version
  - Living version with extreme impact of Wikipedia

- Example journals
  - *PLOS Genetics*
  - *PLOS CompBiol*
  - *PLOS ONE*
  - *Wiki.J.Med*
  - *Wiki.J.Sci*
  - *Wiki.J.Hum*
  - *Open Medicine*
  - *Gene*
  - *RNA Biology*

JOURNAL FIRST

- Compatible with any OA journal
- Simplest workflow
- Well-suited to topics that are missing/start/stub on Wikipedia

WIKIPEDIA FIRST

- Restricted by Wikipedia’s CC-BY-SA license
- May be only option for highly-developed pages (full replacement typically more difficult Class B and above)

PARALLEL

- Compatible with closed journal
- Two versions can be tailored to different audiences
- Increased work for authors and reviewers
ACADEMIC AND WIKIPEDIC VERSIONS
A WikiJournal’s Publishing Flow

Preprint server → Public peer review → Publication

Citable
Stable
Indexed
Version of record

Highly accessed
Broad readership
Editable and updatable

Wikipedia-integration

A WikiJournal’s publishing flow

- Preprint server
  - Wikipedia as preprint
- Publication
  - Wikipedia-integration
  - Public peer review
  - Citable
  - Stable
  - Indexed
  - Version of record
  - Highly accessed
  - Broad readership
  - Editable and updatable

A WikiJournal’s Publishing Flow

Preprint server

Public peer review

Publication

Citable

Stable

Indexed

Version of record

Highly accessed

Broad readership

Editable and updatable

Wikipedia as preprint

Versioning

Wikipedia-integration

POSSIBLE JOURNAL PARTNERSHIP SYSTEM

- One-off partnering with subject-specialist journals
  
  Specialist journal: Invite authors, identify peer reviewers
  WikiJournal: Advises on wikipedia policy compliance, readability and formatting

- Resulting article co-published in specialist journal & WikiJournal

- Then copied into Wikipedia per ‘journal-first’ model

- Co-publishing example:


COMMITTEE ON PUBLICATION ETHICS

- WikiJMed ethics statement audited and approved by COPE

- WikiJMed.org/Ethics_statement

- Attribution of CC material
  - Images / videos / other media: Attribution and license type at end of the figure legend
  - Text <1 paragraph / <10% of final work: Hyperlink to contributor list 'Acknowledgements' section
  - Text >1 paragraph / >10% of final work: Hyperlink to the full contributor list included in the author list (typically as a hyperlinked "et al"). Treated as “Large group authorship”.

- Ownership
  - Journal article released by authors under creative commons license of their choice
  - Material integrated into Wikipedia may be edited by anyone (inc. authors) and will evolve over time

- What constitutes a preprint
  - Wikipedia can be treated as a preprint server where the submitting author has been a significant contributor

- Dual publication into Wikipedia
  - Material that complies with Wikipedia’s guidelines (e.g reviews / images) can be directly integrated via CC license
  - Material that does not (e.g. original research / opinion / speculation) can be cited as a source in a Wikipedia article
CONTRIBUTIONS

• **Submit** an article. Credentials are not necessary.

• **Peer reviewing** of article submissions. Does require expertise in the subject at hand.

• Help **preparing & formatting** submitted articles

• Join an **editorial board** and share your ideas about journal management

• Will hire a **technical editor**.
## Similarities and Differences

<table>
<thead>
<tr>
<th></th>
<th>Academic Journal</th>
<th>Wikipedia</th>
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<tbody>
<tr>
<td><strong>Readership size</strong></td>
<td>Small and brief</td>
<td>Very large and extended</td>
</tr>
<tr>
<td></td>
<td>Median article - 800 total</td>
<td>Median article - 10,000 per year</td>
</tr>
<tr>
<td></td>
<td>Top 5% article - 3000 total</td>
<td>Top 5% article - 1,000,000 per year</td>
</tr>
<tr>
<td><strong>Readership composition</strong></td>
<td>Other academics, often within narrow field</td>
<td>General public as well as experts and professionals</td>
</tr>
<tr>
<td><strong>Peer review</strong></td>
<td>Pre-publication, private review by 2-4 subject specialists</td>
<td>Post-publication public review of a sort by subject generalists</td>
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<td>‘Good article’ - 1 reviewer</td>
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<td>‘Featured Article’ - 5-12 reviewers</td>
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<tr>
<td><strong>Reputation</strong></td>
<td>Varies by journal but generally extremely high</td>
<td>Public generally trust</td>
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<tr>
<td></td>
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<td>Academics have mixed opinions but improving</td>
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<tr>
<td><strong>Authorship</strong></td>
<td>Small number with relevant, accredited expertise. Organised group with lead and corresponding authors.</td>
<td>Large number with mixed expertise levels. Loose organisation. Many pseudonymous or anonymous.</td>
</tr>
<tr>
<td><strong>Timeliness</strong></td>
<td>Static</td>
<td>Constantly updated</td>
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<tr>
<td></td>
<td>Updated by new publications</td>
<td>Only one consensus version</td>
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