Publishing and early career development - University of Pretoria

Shalimar Shadeed
shadeeds@reedelsevier.com
University of Pretoria overall research performance

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medicine</td>
<td>15.2%</td>
</tr>
<tr>
<td>Veterinary</td>
<td>2.7%</td>
</tr>
<tr>
<td>Immunology and Microbiology</td>
<td>3.6%</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>8.7%</td>
</tr>
<tr>
<td>Arts and Humanities</td>
<td>5.7%</td>
</tr>
<tr>
<td>Business, Management and Account</td>
<td>3.1%</td>
</tr>
<tr>
<td>Economics, Econometrics and F...</td>
<td>3.0%</td>
</tr>
<tr>
<td>Other</td>
<td>8.9%</td>
</tr>
<tr>
<td>Computer Science</td>
<td>5.1%</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3.2%</td>
</tr>
<tr>
<td>Physics and Astronomy</td>
<td>2.9%</td>
</tr>
<tr>
<td>Chemistry</td>
<td>2.3%</td>
</tr>
<tr>
<td>Materials Science</td>
<td>2.4%</td>
</tr>
<tr>
<td>Engineering</td>
<td>7.0%</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>4.0%</td>
</tr>
<tr>
<td>Earth and Planetary Sciences</td>
<td>2.7%</td>
</tr>
<tr>
<td>Agricultural and Biological S...</td>
<td>12.4%</td>
</tr>
<tr>
<td>Biochemistry, Genetics and Mo...</td>
<td>7.0%</td>
</tr>
</tbody>
</table>
# Benchmarking

<table>
<thead>
<tr>
<th>Institution</th>
<th>Publications</th>
<th>Authors</th>
<th>Value of awards, USD</th>
<th>Citations</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. University of Cape Town</td>
<td>10,175</td>
<td>5,798</td>
<td>10,310,188</td>
<td>59,117</td>
</tr>
<tr>
<td>2. University of the Witwatersrand</td>
<td>7,974</td>
<td>4,516</td>
<td>3,078,650</td>
<td>40,319</td>
</tr>
<tr>
<td>3. University of KwaZulu-Natal</td>
<td>7,258</td>
<td>4,014</td>
<td>12,591,581</td>
<td>36,602</td>
</tr>
<tr>
<td>4. University of Stellenbosch</td>
<td>6,941</td>
<td>4,170</td>
<td>4,882,983</td>
<td>30,171</td>
</tr>
<tr>
<td>5. University of Pretoria</td>
<td>7,430</td>
<td>4,636</td>
<td>0</td>
<td>21,695</td>
</tr>
<tr>
<td>6. University of Johannesburg</td>
<td>4,493</td>
<td>2,060</td>
<td>240,010</td>
<td>17,249</td>
</tr>
<tr>
<td>7. South African Medical Research Council</td>
<td>1,790</td>
<td>998</td>
<td>1,867,537</td>
<td>16,796</td>
</tr>
<tr>
<td>8. North West University</td>
<td>3,508</td>
<td>2,157</td>
<td>0</td>
<td>10,673</td>
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<tr>
<td>9. University of the Western Cape</td>
<td>2,229</td>
<td>1,316</td>
<td>0</td>
<td>9,022</td>
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<tr>
<td>10. Council for Scientific and Industrial Research South Africa</td>
<td>1,585</td>
<td>979</td>
<td>0</td>
<td>6,706</td>
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</tbody>
</table>

32 university in South Africa

Elsevier Publishing Campus
How to get published

Publishing Ethics

• Manuscript language

• Open Access Publishing
Let’s start off with a film…

http://youtu.be/75xKK2eGQNk
Planning your article
Are you ready to publish?

Not ready
Work has no scientific interest

Ready
Work advances the field

Outdated work
Duplication of published work
Incorrect conclusions

Original results or methods
Significant enhancement of published work
Updated review of a subject or field
Choosing the right journal
Best practices

- Aim to reach the intended audience for your work
- Choose only one journal, as simultaneous submissions are prohibited
- Supervisor and colleagues can provide good suggestions
- Shortlist a handful of candidate journals, and investigate them:
  - Aims
  - Scope
  - Accepted types of articles
  - Readership
  - Current hot topics

Articles in your reference list will usually lead you directly to the right journals.
Practical Advice

• Evaluate your research area
  ▪ http://top25.sciencedirect.com/
  ▪ Journals, authors, citations, publications per year (Scopus)

• Evaluate which journal is right for your article
  ▪ Impact Factor
  ▪ Alternative metrics (H-index, SNIP, SCImago)
  ▪ Journal Analyser (Scopus)

• Find out more about the journals
  ▪ Who are the editors?
  ▪ Guide for authors
Elsevier Journal finder

Find the perfect journal for your article

Elsevier® Journal Finder helps you find journals that could be best suited for publishing your scientific article. Please also consult the journal’s Aims and Scope for further guidance. Ultimately, the Editor will decide on how well your article matches the journal.

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Simply insert your title and abstract and select the appropriate field-of-research for the best results.

Paper title

Enter your paper title here

Paper abstract

Copy and paste your paper abstract here.

Fields of research

Optional: refine your search by selecting up to three research fields

- Agriculture
- Economics
- Materials Science and Engineering
- GeoSciences
- Humanities and Arts
- Life and Health Sciences
- Mathematics
- Physics
- Social Sciences
- Chemistry
Guide for Authors

- Find it on the journal homepage of the publisher, e.g. Elsevier.com
- Keep to the Guide for Authors in your manuscript
- It will save your time
Planning your article
Types of manuscripts

Full articles
• Substantial, complete and comprehensive pieces of research
  *Is my message sufficient for a full article?*

Letters or short communications
• Quick and early communications
  *Are my results so thrilling that they should be shown as soon as possible?*

Review papers
• Summaries of recent developments on a specific topic
• Often submitted by invitation

Your supervisor or colleagues are also good sources for advice on manuscript types.
New types of manuscripts

- Adaptations and customizations to methods (Example journal: MethodsX)

- Published datasets: available for sharing and reuse (Example journal: Data in Brief)

- Articles that acknowledge the impact of software on research (Example journal: SoftwareX)

Ask your supervisor and colleagues for advice on manuscript type. Sometimes outsiders see things more clearly than you.
Bibliometric indicators

Impact Factor

Eigenfactor

SJR

SNIP

H-Index
Choosing the right journal
The Impact Factor

Ratio between citations and citable items published in a journal

Citations to non-source items (editorials, letters, news items, book reviews, abstracts) may inflate the Impact Factor.
Impact Factor

- It indicates how many times the more recent papers in a journal are cited on average in a given year.
- It is influenced by editorial policies of journals and turnover of research.

The impact factor can give you a general guidance, but it should NOT be the sole reason to choose a journal.
Impact Factor

Citation rates to total journal impact

Aggregate journal impact factors across 25 fields of research
The Eigenfactor

- Freely available at eigenfactor.org; on the JCR
- Similar to Impact Factor, but considers 5 years
- Self-citations excluded
- Citations weighted by the EF of the citing journal
Source Normalized Impact per Paper

- Freely available online via Scopus
- Similar to Impact Factor, but considers 3 years
- Measures contextual citation impact
- Citations weighted by the likelihood of citation in the subject field of source

Devised at the University of Leiden, currently the most sophisticated journal performance indicator
CiteScore

A journal's CiteScore represents the average number of citations received in the CiteScore year (e.g. 2015), by papers published in the three preceding years (e.g. 2012, 2013 and 2014)

<table>
<thead>
<tr>
<th>CiteScore</th>
<th>CiteScore Percentile</th>
<th>CiteScore Rank</th>
<th>Citations 2015</th>
<th>Documents 2012-14</th>
<th>% Cited</th>
<th>SNIP</th>
<th>SJR</th>
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<tbody>
<tr>
<td>7.24</td>
<td>99%</td>
<td>1/904</td>
<td>355</td>
<td>49</td>
<td>86%</td>
<td>6.027</td>
<td>3.449</td>
</tr>
<tr>
<td>6.78</td>
<td>99%</td>
<td>2/904</td>
<td>312</td>
<td>46</td>
<td>83%</td>
<td>6.598</td>
<td>2.328</td>
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<tr>
<td>6.20</td>
<td>99%</td>
<td>3/904</td>
<td>508</td>
<td>82</td>
<td>88%</td>
<td>11.053</td>
<td>6.176</td>
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<tr>
<td>5.87</td>
<td>99%</td>
<td>4/904</td>
<td>558</td>
<td>95</td>
<td>80%</td>
<td>3.158</td>
<td>3.561</td>
</tr>
</tbody>
</table>
Choosing the right journal

Do NOT just “descend the stairs”

Top journals

Field-specific top journals

Other field-specific journals

National journals

http://thewordthoughtsblog.blogspot.nl/2012_04_01_archive.html