

Selecting high impact journals

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University Research Council Seminar-Workshop
Multipurpose room, James J. O'Brien, S.J. Library, Ateneo de Naga University
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Research capability seminars and workshops

Organized by the University Research Council for school year 2017–2018

1. Writing support group 1: How do I write my research proposal?
2. Writing support group 2: How do I turn my conference/coursework paper into a journal article?
3. Hooking your audience through the abstract
4. Tips for successful conference presentations
5. Habits of prolific academic writers
6. Types of academic publications
- 7. Selecting high impact journals**
8. Understanding the peer review process
9. The science and art of editing
10. So, you want to write a textbook?
11. Knowing the ethics of publication
12. Cracking the code of international publication
13. Creating a research profile

Citation impact

Citation impact (or a citation metric) quantifies the citation usage of scholarly works. (“Citation impact”, 2017)

- Article-level number of citations and altmetrics (views, discussions, saves, recommendations) of individual articles (“Article-level metrics”, 2017; “Altmetrics”, 2017)
- Journal-level impact factor, eigenfactor, SCImago Journal Rank, (journal-level) h-index, expert survey, publication power approach, altmetrics, diamScore, source normalized impact per paper, PageRank, JRank (“Journal ranking”, 2017)
- Author-level h-index, (author-level) eigenfactor, (author-level) impact factor (“Author-level metrics”, 2017)

h-index

(“h-index”, 2017)

*The **h-index** is an author-level metric that attempts to measure both the productivity and citation impact of the publications of a scientist or scholar. [...] The index can also be applied to the productivity and impact of a scholarly journal as well as a group of scientists, such as a department or university or country. The index was suggested in 2005 by Jorge E. Hirsch [...] and is sometimes called the Hirsch index or Hirsch number.*

[A] scholar with an index of h has published h papers each of which has been cited in other papers at least h times. [...] The index works properly only for comparing scientists working in the same field; citation conventions differ widely among different fields. (“h-index”, 2017)

▶ Allan A. Sioson's h -index

ResearchGate (*Allan Sioson*, n.d.-a): 11 (10 if excluding self-citations)

Google Scholar (*Allan Sioson*, n.d.-b): 10

▶ Menandro S. Abanes's h -index

ResearchGate (*Menandro Abanes*, n.d.): 2 (1 if excluding self-citations)

Google Scholar (*Menandro S. Abanes*, n.d.): 4

h-indices of selected journals

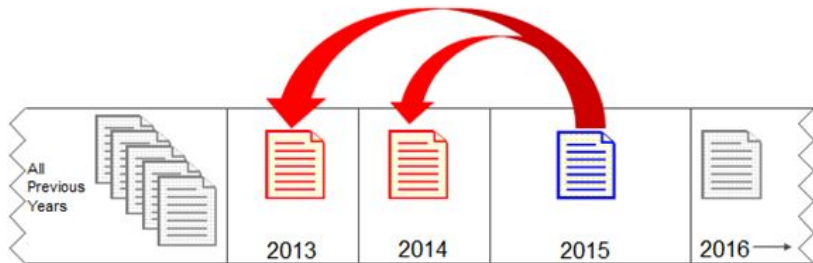
(*Scimago Journal & Country Rank*, n.d.)

Nature	1011
Science	978
CA: A Cancer Journal for Clinicians	131
Asian and Pacific Migration Journal	22
The Asia-Pacific Education Researcher	16
Philippine Agricultural Scientist	10
Philippine Journal of Science	9
Journal of Environmental Science and Management	5
Philippine Political Science Journal	4
Philippine Journal of Crop Science	none

Impact factor

(“Impact factor”, 2017)

*The **impact factor (IF)** or **journal impact factor (JIF)** of an academic journal is a measure reflecting the yearly average number of citations to recent articles published in that journal. [...] The impact factor was devised by Eugene Garfield, the founder of the Institute for Scientific Information. Impact factors are calculated yearly starting from 1975 for those journals that are listed in the Journal Citation Reports.*



Citations captured from Web of Science journals during the IF publication year to any/all items published within a journal in the prior two years.

divided by

The number of Articles and Reviews (citable items) published in a journal in the prior two years.



(Clarivate Analytics, 2017)

2016 Journal Impact Factors of selected journals

(2017 Latest Impact Factors (2016 Journal Citation Reports, Thomson Reuters), n.d.)

CA: A Cancer Journal for Clinicians	187.040
Nature	40.137
Science	37.205
The Asia-Pacific Education Researcher	0.576
Asian and Pacific Migration Journal	0.357
Philippine Political Science Journal	0.333
Journal of Environmental Science and Management	0.323
Philippine Agricultural Scientist	0.248
Philippine Journal of Crop Science	0.115
Philippine Journal of Science	none

SCImago Journal Rank

SCImago Journal Rank (*SJR indicator*) is a measure of scientific influence of scholarly journals that accounts for both the number of citations received by a journal and the importance or prestige of the journals where such citations come from. (“SCImago Journal Rank”, 2017)

It expresses the average number of weighted citations received in the selected year by the documents published in the selected journal in the three previous years, –i.e. weighted citations received in year X to documents published in the journal in years $X-1$, $X-2$ and $X-3$.
(Scimago Journal & Country Rank, *n.d.*)

2016 SCImago Journal Ranks of selected journals

(*Scimago Journal & Country Rank*, n.d.)

CA: A Cancer Journal for Clinicians	39.285
Nature	18.134
Science	13.535
The Asia-Pacific Education Researcher	0.394
Asian and Pacific Migration Journal	0.334
Philippine Journal of Science	0.192
Philippine Political Science Journal	0.185
Philippine Agricultural Scientist	0.148
Journal of Environmental Science and Management	0.146
Philippine Journal of Crop Science	none

Citation indices

A citation index is a bibliographic database of citations among publications.

Available by subscription and cover only high quality journals:

- ▶ Web of Science (previously Web of Knowledge) by Clarivate Analytics (<http://www.webofknowledge.com/>) (previously the Intellectual Property and Science business of Thomson Reuters, and previously the Institute for Scientific Information (ISI))
- ▶ Scopus by Elsevier (<https://www.scopus.com/>)

Freely available online but do not screen articles for quality:

- ▶ CiteSeer^X (<http://citeseerx.ist.psu.edu/>)
- ▶ Google Scholar (<http://scholar.google.com/>)

Web of Science Core Collection (Testa, 2016)

- ▶ Science Citation Index Expanded (SCIE)
- ▶ Social Sciences Citation Index (SSCI)
- ▶ Arts & Humanities Citation Index (AHCI)
- ▶ Emerging Sources Citation Index (ESCI)
(sciences, social sciences, arts & humanities)

Scopus ("Scopus", 2017)

"It covers [...] peer-reviewed journals in the scientific, technical, medical, and social sciences (including arts and humanities)."

Web of Science Journal Selection Process

(Testa, 2016)

- ▶ Basic publishing standards (peer review, acknowledgements, ethical publishing practices, publishing format, timeliness, international editorial conventions, full text English)
- ▶ Editorial content
- ▶ International focus (international diversity among the contributing authors, editors, and editorial advisory board members)
- ▶ Citation analysis (total citation counts, impact factor)

Scopus journal selection criteria

(Elsevier, n.d.)

- ▶ Consist of peer-reviewed content and have a publicly available description of the peer review process
- ▶ Be published on a regular basis and have an International Standard Serial Number (ISSN) as registered with the ISSN International Centre
- ▶ Have content that is relevant for and readable by an international audience, meaning: have references in Roman script and have English language abstracts and titles
- ▶ Have a publicly available publication ethics and publication malpractice statement

CHED Journal Accreditation Service

- ▶ Guidelines for CHED Accreditation of Research Journals and Providing Incentives Therefor (CHED, 2009a)
- ▶ Implementing Rules and Regulations (IRR) for CMO No. 13, S. 2009 “Guidelines for CHED Accreditation of Research Journals and Providing Incentives Therefor” (CHED, 2009b)
- ▶ CHED Accredited Research Journals (CHED, 2010)
- ▶ On-Line Publication of CHED-Accredited Research Journals (CHED, 2011)
- ▶ CHED Accredited Research Journals (CHED, 2012a)
- ▶ Revised Guidelines for CHED Accreditation of Research Journals and Providing Incentives Therefor (CHED, 2012b)
- ▶ Last Call for Submission of Research Journal for CHED Accreditation by December 31, 2013 (CHED, 2013a)

CHED Journal Incentive Program

(CHED, 2016)

The Journal Incentive Program, which supersedes the Journal Accreditation Service (JAS) created by CMO No 5, series of 2012, aims to sustain [initiatives to produce high-quality journals] to pursue quality, research integrity, and honesty, and ensure adherence to international standards.

*There are two (2) categories of grants under the Journal Incentive Program: **Journal Challenge (JC)** and **Journal Incubator (JI)**. JC caters to Scopus/WoS-indexed journals and aims to support activities that will lead to an increase in scientific citation (excluding self-citation) and promote social media presence and public engagement profiles of scholarly articles in the journal. On the other hand, JI will support promising Philippine journals towards the path to meet the minimum generally accepted standards for Scopus/WoS-indexability. In so doing, CHED helps raise the recognition and credibility of Filipino scholars and scientists and contributes to the creation of a research ecosystem characterized by merit, productive and critical discourses, and collegiality.*

CHED Research and Publication Awards

(CHED, 2013b)

The objectives of the CHED REPUBLICA Awards are to: recognize and reward outstanding research outputs of higher education faculty researchers, leading to significant advances in priority disciplines and contributing to national development at the same time, encourage research productivity and publication of research outputs in CHED accredited and internationally indexed journals. In order to encourage CHED research grantees and scholars to publish in refereed journals, the REPUBLICA Awards will be expanded to include 2 sets of awards: the Qualifier Awards as a special recognition of CHED-funded research outputs published in refereed journals, and the National Awards.

(CHED, 2013b)

REPUBLICA Qualifier Awards:

Cash Prize of P25,000.00 for a research paper that is published in CHED-accredited non-ISI/non-SCOPUS indexed journal;

Cash prize of P50,000.00 for a research paper published in internationally-indexed journal, i.e. ISI/SCOPUS-indexed journal.

REPUBLICA National Awards:

Trophy and cash prize of P300,000.00 for the awardee in each of the three major categories:

Agriculture and Natural Sciences

Mathematics, Engineering and Information Technology

Humanities, Social Sciences, Business and Teacher Education

Other categories may later be identified by the Commission

Incentive Awards for Publication

(University Research Council, 2016)

One of the tasks of the University Research Council (URC) is to promote and foster a culture of excellence in research among the members of the Ateneo de Naga University (ADNU). To achieve this and encourage production of citable publications, the URC allocates 10% of its annual budget for research funding to provide recognition and monetary incentives to any ADNU employee who has published a scholarly article or book in a reputable academic journal, publishing house, or university press.

Type of Publication	Monetary Incentive
A scholarly article published in a journal included in a reputable indexing service, particularly Web of Science or Scopus	₱ 25,000
A scholarly book published by a reputable national/international publishing house or university press	₱ 25,000
A scholarly article published in a reputable non-indexed national/international peer-reviewed journal	₱ 12,500
A chapter in a scholarly book published by a reputable national/international publishing house or university press	₱ 10,000

(University Research Council, 2016)

Open access

Unrestricted online access to peer-reviewed scholarly research

It comes in two degrees (“Gratis versus libre”, 2017):

- ▶ *gratis*: Users are able to access and use the article texts, without a price-barrier.
- ▶ *libre*: Users are allowed allowed to modify and re-use the article texts, without a permission barrier.

It can be provided in two ways (“Open access”, 2017):

- ▶ *gold*: Authors publish in open access journals, which provide immediate open access to all of their articles, usually on the publisher’s website.
- ▶ *green*: Authors publish in any journal and then self-archive a version of the article for gratis public use in an open access website.

Directory of Open Access Journals

(DOAJ, n.d.)

DOAJ is an online directory that indexes and provides access to quality open access, peer-reviewed journals.

Open Access Journal: [...] journals that use a funding model that does not charge readers or their institutions for access. [The DOAJ supports] the rights of users to “read, download, copy, distribute, print, search, or link to the full texts of these articles” as mandatory for a journal to be included in the directory.

Quality Control: The journal must exercise peer-review or editorial quality control to be included.

Research Journal: Journals that report primary results of research or overviews of research results to a scholarly community.

Periodical: A serial appearing, or intending to appear, indefinitely at regular intervals and generally more frequently than annually, each issue of which is numbered or dated consecutively and normally contains separate articles, stories, or other writings.

Philippine journals available online

- ▶ U.P. Diliman Journals Online (32 journals)
(<http://journals.upd.edu.ph/>)
- ▶ Ateneo de Manila University Journals Online (7 journals)
(<http://journals.ateneo.edu/>)
- ▶ Philippine Journals Online (43 journals)
(<http://www.philjol.info/philjol/index.php>)
- ▶ Philippine E-Journals (161 journals)
(<http://www.ejournals.ph/>)

Predatory publishers

(Karlsson, 2017)

A predatory publisher is a publisher that engages in deceptive methods that include publishing fake content, skipping peer review, pretending to have a more impressive credibility than they really have, picking journal names that are very similar to established journals to fool people, spam researchers to try to get them to submit papers and pay expensive fees. Because of little to no regulation, many predatory publishers are allowed to do their devious business in the open without much social or legal consequences.

See also Beall (2012).

Blogs about academic misconduct

- ▶ *Scholarly Open Access: Critical analysis of scholarly open-access publishing* (<http://scholarlyoa.com/>) by Jeffrey Beall contains Beall's List of potential, possible, or probable predatory scholarly open-access publishers and journals. The site is no longer active (Karlsson, 2017).
- ▶ *Retraction Watch: Tracking retractions as a window into the scientific process* (<http://retractionwatch.com/>) by Ivan Oransky and Adam Marcus
- ▶ *Copy, Shake, and Paste: A blog about plagiarism and scientific misconduct* (<http://copy-shake-paste.blogspot.com.tr/>) by Debora Weber-Wulff

Other suggested websites

- ▶ *arXiv.org* (<https://arxiv.org/>) is an e-print service in the fields of physics, mathematics, computer science, quantitative biology, quantitative finance and statistics.
- ▶ *Academia Stack Exchange* (<https://academia.stackexchange.com/>) is a question and answer site for academics of all levels.

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