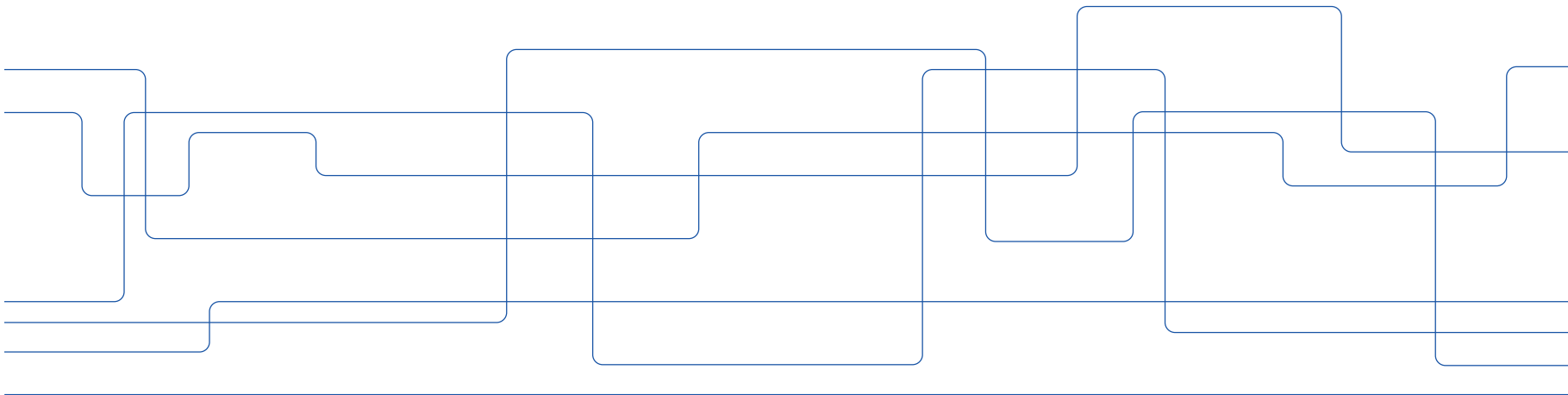




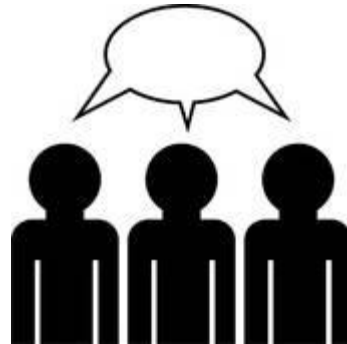
# Quality dissemination of research

The importance of choosing the right journal

Anders Wändahl [aw@kth.se](mailto:aw@kth.se)



# Think, discuss, hands-on





# Benchmarking

- “Indian partners have identified ‘benchmarking’ as the most effective means of directly addressing major problems within their HE system and its quality management, at national and institutional levels.”
- “A set of benchmarking tools will be discussed in order to contribute to improvements in governance and leadership management, to accelerate institutional reform and to support policy makers and university leaders in taking strategic decisions, monitor progress, and use data to develop policies that encourage the use of good governance practices.”



# University rankings



- Your institution/country is measured, ranked and benchmarked
  - Academic Ranking of World Universities (Shanghai Ranking)
  - Leiden Ranking
  - Nature Index
  - QS World University Rankings
  - Scimago Journal & Country Rank
  - Times Higher Education (THE)



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Home>> [ARWU 2018](#)

[2018](#) [2017](#) [2016](#) [2015](#) [2014](#) [2013](#) [2012](#) [2011](#) [2010](#) [2009](#) [2008](#) [2007](#) [2006](#) [2005](#) [2004](#) [2003](#)

## Academic Ranking of World Universities 2018

<a href="#">Top 500</a> <a href="#">501-1000</a> <a href="#">Methodology</a> <a href="#">Statistics</a>					
World Rank	Institution*	By location	National/Regional Rank	Total Score	Score on
		All <input type="text" value="All"/>			Alumni <input type="text" value="Alumni"/>
1	Harvard University		1	100	100
2	Stanford University		2	75.6	44.5
3	University of Cambridge		1	71.8	82.3
4	Massachusetts Institute of Technology (MIT)		3	69.9	70.9
5	University of California, Berkeley		4	68.3	65.6
6	Princeton University		5	61	55.8
7	University of Oxford		2	60	50.8
8	Columbia University		6	58.2	62.8



#### Indicators and Weights for ARWU

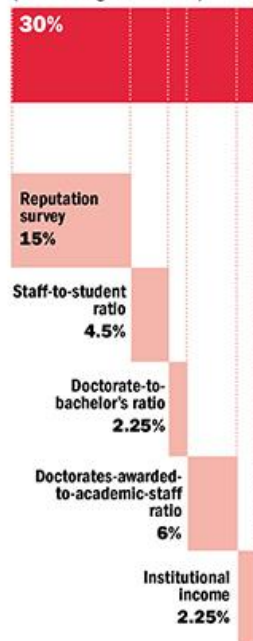
Criteria	Indicator	Code	Weight
Quality of Education	Alumni of an institution winning Nobel Prizes and Fields Medals	Alumni	10%
Quality of Faculty	Staff of an institution winning Nobel Prizes and Fields Medals	Award	20%
	Highly cited researchers in 21 broad subject categories	HiCi	20%
Research Output	Papers published in Nature and Science*	N&S	20%
	Papers indexed in Science Citation Index-expanded and Social Science Citation Index	PUB	20%
Per Capita Performance	Per capita academic performance of an institution	PCP	10%
Total			100%

<http://www.shanghairanking.com/ARWU-Methodology-2018.html>

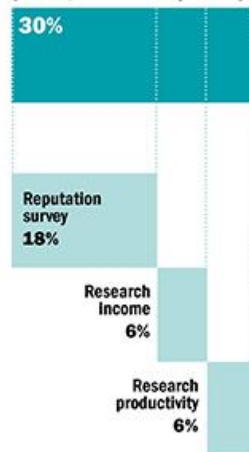


RANKING		SCORES					
Rank	Name	Overall	Teaching	Research	Citations	Industry Income	International Outlook
601–800	University of Delhi <a href="#">India</a>	26.0–33.4	39.0	18.5	29.1	34.1	19.1
801–1000	VIT University <a href="#">India</a>	19.0–25.9	18.4	10.8	28.7	36.8	23.4
801–1000	Sri Venkateswara University <a href="#">India</a>	19.0–25.9	36.6	9.7	27.2	34.6	19.1
601–800	Indian Institute of Technology Madras <a href="#">India</a>	26.0–33.4	41.5	25.4	27.0	69.1	18.4
801–1000	Indian Institute of Science Education and Research Kolkata <a href="#">India</a>	19.0–25.9	29.4	10.9	26.4	35.9	17.0

### Teaching (the learning environment)



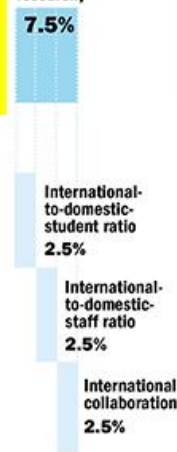
### Research (volume, income and reputation)



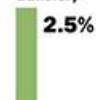
### Citations (research influence)



### International outlook (staff, students, research)



### Industry income (knowledge transfer)







## Institution outputs

1 December 2017 - 30 November 2018

## Institution search

Begin typing your query to generate a list of suggested institutions

Go

Use parentheses to search by acronyms. Examples: (CAS), (TUM), (UCC), (UQ)  
Search also supports other languages. Examples: [Universidad Autónoma de Madrid](#), [東北大学](#)

Generate a table of institutions ordered by research outputs. Using the drop-down menus, choose the region or country of interest, filter by subject area or journal group, and select the sorting method – [Article count \(AC\)](#), [Fractional count \(FC\)](#) or alphabetical. Once generated, the table can be resorted by clicking on the relevant column heading.

## Institution outputs

Region/country

India ▾

Sector

Academic ▾

Subject/journals

Chemistry ▾

Sort by

Article count ▾

Generate

**Note:** There are many institutions with foreign research facilities located outside of their home country. Region/country outputs contain articles affiliated with facilities located in the selected region/country.

Institution	AC ▾	FC ▾
1. <a href="#">Indian Institutes of Technology (IITs)</a>	184	133.81
2. <a href="#">Indian Institutes of Science Education and Research (IISER)</a>	104	79.89
3. <a href="#">Indian Institute of Science (IISc)</a>	60	36.50
4. <a href="#">Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR)</a>	25	20.19

## Outputs for Indian Institute of Technology Madras (IIT Madras)

1 December 2017 - 30 November 2018

India

Country: India

Sector: Academic

Subject/journal group: Chemistry ⓘ

AC

33

FC

29.43

[View the complete profile ▶](#)

The research outputs below are grouped by journal. Click on the journal to view the list of articles.


Journal	AC	FC
<a href="#">Analytical Chemistry</a>	4	3.71
<a href="#">Angewandte Chemie International Edition</a>	5	3.52
<a href="#">Chemical Communications</a>	1	1
<a href="#">Chemical Science</a>	1	0.67
<a href="#">Inorganic Chemistry</a>	7	6.83
<a href="#">Journal of the American Chemical Society</a>	1	1
<a href="#">Nano Letters</a>	1	0.60
<a href="#">Nature Communications</a>	1	0.09
<a href="#">Organic Letters</a>	11	11
<a href="#">The Journal of Physical Chemistry Letters</a>	1	1

## The Nature Index journals

The current 12-month window on [natureindex.com](http://natureindex.com) includes data from primary research articles from the following science journals:

- 
- |                                                                  |                                                                            |
|------------------------------------------------------------------|----------------------------------------------------------------------------|
| ■ <i>Advanced Materials</i> (1051 articles)                      | ■ <i>Monthly Notices of the Royal Astronomical Society</i> (3453 articles) |
| ■ <i>American Journal of Human Genetics</i> (220 articles)       | ■ <i>Nano Letters</i> (1215 articles)                                      |
| ■ <i>Analytical Chemistry</i> (1574 articles)                    | ■ <i>Nature</i> (828 articles)                                             |
| ■ <i>Angewandte Chemie International Edition</i> (2671 articles) | ■ <i>Nature Biotechnology</i> (85 articles)                                |
| ■ <i>Applied Physics Letters</i> (2944 articles)                 | ■ <i>Nature Cell Biology</i> (93 articles)                                 |
| ■ <i>Astronomy &amp; Astrophysics</i> (1814 articles)            | ■ <i>Nature Chemical Biology</i> (169 articles)                            |
| ■ <i>Cancer Cell</i> (116 articles)                              | ■ <i>Nature Chemistry</i> (167 articles)                                   |
| ■ <i>Cell</i> (381 articles)                                     | ■ <i>Nature Communications</i> (3454 articles)                             |
| ■ <i>Cell Host &amp; Microbe</i> (119 articles)                  | ■ <i>Nature Genetics</i> (178 articles)                                    |
| ■ <i>Cell Metabolism</i> (134 articles)                          | ■ <i>Nature Geoscience</i> (133 articles)                                  |
| ■ <i>Cell Stem Cell</i> (116 articles)                           | ■ <i>Nature Immunology</i> (123 articles)                                  |
| ■ <i>Chemical Communications</i> (2696 articles)                 | ■ <i>Nature Materials</i> (151 articles)                                   |
| ■ <i>Chemical Science</i> (846 articles)                         | ■ <i>Nature Medicine</i> (139 articles)                                    |
| ■ <i>Current Biology</i> (429 articles)                          | ■ <i>Nature Methods</i> (118 articles)                                     |
| ■ <i>Developmental Cell</i> (154 articles)                       | ■ <i>Nature Nanotechnology</i> (125 articles)                              |
| ■ <i>Earth and Planetary Science Letters</i> (594 articles)      | ■ <i>Nature Neuroscience</i> (151 articles)                                |
| ■ <i>Ecology</i> (396 articles)                                  | ■ <i>Nature Photonics</i> (108 articles)                                   |
| ■ <i>Ecology Letters</i> (119 articles)                          | ■ <i>Nature Physics</i> (156 articles)                                     |
| ■ <i>European Physical Journal C</i> (713 articles)              | ■ <i>Nature Structural &amp; Molecular Biology</i> (126 articles)          |
| ■ <i>Genes &amp; Development</i> (165 articles)                  | ■ <i>Neuron</i> (341 articles)                                             |
| ■ <i>Genome Research</i> (178 articles)                          | ■ <i>Organic Letters</i> (1616 articles)                                   |
| ■ <i>Geology</i> (257 articles)                                  | ■ <i>PLOS Biology</i> (161 articles)                                       |
| ■ <i>Immunity</i> (166 articles)                                 | ■ <i>Physical Review A</i> (250 articles)                                  |
| ■ <i>Inorganic Chemistry</i> (1428 articles)                     | ■ <i>Physical Review B</i> (835 articles)                                  |
| ■ <i>Journal of Biological Chemistry</i> (2146 articles)         | ■ <i>Physical Review D</i> (152 articles)                                  |
|                                                                  | ■ <i>Physical Review Letters</i> (2327 articles)                           |
-



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1	 China	43994	43765	457485	279867	10.40	167
2	 Japan	8575	8483	161383	31870	18.82	137
3	 India	9044	8907	161201	47021	17.82	119
4	 South Korea	5523	5447	79941	15638	14.47	93
5	 Taiwan	2627	2608	40335	5939	15.35	77
6	 Singapore	986	955	17969	1908	18.22	64

# Think of...



- Think of 1...5 journals in your field of research
- These should be candidates for your next manuscript (for real or just an example in this exercise)

# Why publish at all?



- Appointments
- Promotion
- Tenure
- Career
- Funding
- Postdoc
- Fame and glory
- Good for science

# Why publish at all?



- **Appointments**
- **Promotion**
- **Tenure**
- **Career**
- Funding
- Postdoc
- Fame and glory
- Good for science



**What is the message from your university?**

**Is it in line with the individual incentive?**



प्रो. (डॉ.) जसपाल एस. सन्धु

सचिव

*Prof. Dr. Jaspal S. Sandhu*

MBBS, MS (Ortho), DSM, FAIS, FAFSM, FFMS, FAMS

Secretary



विश्वविद्यालय अनुदान आयोग  
University Grants Commission

(मानव संसाधन विकास मंत्रालय, भारत सरकार)  
(Ministry of Human Resource Development, Gov. of India)

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Bahadur Shah Zafar Marg, New Delhi-110002

Ph.: 011-23239337, 23236288,  
Fax: 011-23238858, email: jssandhu.ugr@nic.in

No.F.1-2/2016 (PS) Amendments

10<sup>th</sup> January, 2017

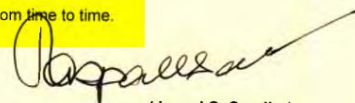
**NOTIFICATION**

The UGC Regulations on Minimum Qualifications for Appointment of Teachers and Other Academic Staff and Other Measures for the Maintenance of Standards of Higher Education, 2010 have been amended vide University Grants Commission (Minimum Qualifications for Appointment of Teachers and other Academic Staff in Universities and Colleges and Measures for the Maintenance of Standards in Higher Education) (4<sup>th</sup> Amendment) Regulations, 2016 and the same have been notified in the Gazette of India on 11<sup>th</sup> July 2016.

In the aforementioned UGC (4th Amendment) Regulations, 2016, Category III of the API Tables of Academic Performance Indicator (API) for Career Advancement Scheme (CAS) and Direct Recruitment, alongwith other conditions, provides for API score for Refereed Journals, as notified and identified by the UGC.

The Standing Committee constituted by the University Grants Commission for identifying journals in different domains of knowledge has approved the **List of Journals** attached along with for the purpose of Career Advancement Scheme (CAS) and Direct Recruitment of teachers and other academic staff as required under the University Grants Commission (Minimum Qualifications for Appointment of Teachers and other Academic Staff in Universities and Colleges and Measures for the Maintenance of Standards in Higher Education) (4<sup>th</sup> Amendment) Regulations, 2016.

This is a dynamic list which may be reviewed from time to time.



(Jaspal S. Sandhu)  
Secretary



## UGC Approved List of Journals

An update on UGC - List of Journals  
Journals Removed from UGC-Approved List of Journals  
Notification on Predatory/Fake/Questionable Journals  
Notification on Journals Recommended by Universities during 16th to 22nd June 2017 (II Phase)


[FAQs](#)

The UGC-approved List of Journals includes Journals covered in i) Web of Science; ii) Scopus; iii) Journals recommended by the Standing Committee on Notification on Journal and Language Committee; and iv) Journal recommended by Universities; A note on [scope, coverage and methodology](#) used for compiling UGC-approved List of Journals is available at <https://www.ugc.ac.in/journalist/methodology.pdf>.

Search by Title Current Titles Search

Science	Social Science	Arts & Humanities	Multidisciplinary
Acoustics and Ultrasonics 38	Accounting 158	Arabic 1	Multidisciplinary 127
Advanced and Specialised Nursing 43	Anthropology 291	Archaeology 237	+ Load More
Aerospace Engineering 104	Applied Psychology 194	Arts and Humanities(all) 266	
Ageing 29	Archaeology 237	Assamese 0	
Agricultural and Biological Sciences(all) 255	Business and International Management 335	Bengali 37	
Agronomy and Crop Science 283	Business, Management and Accounting(all) 397	Bodo 0	
Algebra and Number Theory 76	Clinical Psychology 239	Chinese 0	
Analysis 117	Communication 267	Classics 87	
	Cultural Studies 718	Conservation 48	
		+ Load More	

# Lists, lists and lists...



University of the Witwatersrand / LibGuides / Scholarly Research and Related Resources / Accredited Journals

Scholarly Research and Related Resources: Accredited Journals

This is a one-stop Portal to assist researchers/postgraduate students in the research process. You will find information on the whole research process, publishing and other related topics.

Intro & Definitions

Research@Wits

Institutes

Research Support/Resources

Research Process

Tips on Writing/Presenting

Typography/Layout

Funding

OA

Scholarly Communication/Publishing

Accredited Journals

Predatory Publishers

Metrics

Data Management

Articles, etc.

Plagiarism

IP Issues

LIBGUIDES

How to find OA Accredited Journals without APCs

TO FIND A LIST OF DHET ACCREDITED OPEN ACCESS JOURNALS, WITHOUT APCs,

CLICK HERE.

CLICK ON ADVANCED SEARCH.

THEN ENTER **OPEN IN 3RD BLOCK DOWN, THEN CLICK ON NO IN 4TH BLOCK**

THEN SUBMIT TO GET LIST.

(Consent to use link was granted by Mr. Louw Venter from North West University on 12.6.2018)

Accredited List of Journals (DHET) (2019)

Consolidated DHET Lists (2019)

IBSS Accredited List of journals 2019

ISI Accredited list of journals 2019

Norwegian List of Accredited Journals 2019

SCOPE Accredited list of journals 2019

SCOPUS Accredited list of journals 2019

Titles that have been moved from DHET list to other accredited lists

Open Access Scholarly Publishers Association

Open Access Scholarly Publishers Association

Top Ranking Journals

Annual Reviews Rankings in Thomson Reuters Journal Citation Reports (JCR) 2016

SCImago Journal Rankings (up to 2014)

Top and Very Good Journals (compiled by University of Groningen)

Paying for Open Access

Academic Publishing Profits Enough To Fund Open Access To Every Research Article In Every Field | Techdirt

Article processing charges (APCs) and subscriptions

Bentley Research Impact Initiative

Compact for OA Publishing Equity - News

Cost Effectiveness of Open Access Publishing

Debunking myths of open access scholarly publishing

The Ed Techie: Yeah, but who pays?

Accredited List of Journals (DHET) (2018)

Consolidated List of Accredited Journals (DHET) - 2018

DHET Accredited Journals - 2018

IBSS Accredited Journals - 2018

ISI Accredited Journals - 2018

Norwegian list of accredited journals - 2018

SCOPE SA accredited journals - 2018

SCOPUS accredited journals - 2018

SA Open Access Journals

DHET Accredited OA South African Journals - January 2018

African Journal Archive (Tabinet)

SA Journals on SCOPE SA - accredited in ISI

[https://libguides.wits.ac.za/Scholarly\\_Research\\_Resources/Accredited\\_Journals](https://libguides.wits.ac.za/Scholarly_Research_Resources/Accredited_Journals)

2019-11-05

18



### CRITERIA FOR PROMOTION OF CADEMIC STAFF

NO.	Position	Qualifications
1.	Tutorial Assistant	First Degree at First or Upper Second Division with a GPA of 3.8 or above.
2.	Tutorial Assistant to Assistant Lecturer	Masters Degree with a B+ performance or GPA of 4.0 and above, potentially good academically.
3.	Assistant Lecturer /Assistant Librarian to Lecturer/Librarian	<p>(a) Promotion from Assistant Lecturer/Assistant Librarian to Lecturer/Librarian requires possession of a PhD or MMed/MDent for Assistant Lecturers who are also clinicians.</p> <p>(b) For Assistant Lecturers/Assistant Librarians on PhD training, promotion to the next rank requires a good progress report on the PhD program and <b>at least 1 point from papers</b> published in recognised peer reviewed journals, 1 point from teaching and at least three years of service as Assistant Lecturer/Assistant Librarian.</p> <p>(c) For Assistant Lectures/ Assistant Librarians who are not on PhD training, at least <b>2 points from papers published in recognised peer reviewed journals</b>, 1 point from teaching and at least three years of service as Assistant Lecturer/Assistant Librarian.</p>
4.	Lecturer/Librarian to Senior Lecturer/Senior Librarian	<p>(a) Promotion from Lecturer/Librarian to Senior Lecturer/Senior Librarian requires a PhD, a minimum of three years since the last promotion, <b>at least 3 points from publications</b> and <b>2 points from teaching</b>.</p> <p>(b) For academic staff who are clinicians, promotion from Lecturer to Senior Lecturer requires possession of a PhD or MMed/MDent, a minimum of three years since the last promotion, at least <b>3 points from publications</b> and 2 points from teaching.</p>
5.	Senior Lecturer/ /Senior Librarian to Associate Professor/Associate Library Professor	<p>Candidates should have:</p> <p>(a) A minimum of three years since last promotion</p> <p>(b) <b>At least 6.0 points from publication</b> since last promotion and <b>3 points from teaching</b>.</p> <p>(c) <b>Papers should be in international journals only.</b></p>
6.	Associate Professor/Associate Library Professor to Professor/Library Professor	<p>Candidates should have:</p> <p>(a) A minimum of three years since last promotion</p> <p>(b) <b>At least 7.0 points from publications</b> since last promotion and <b>2 points from teaching</b>.</p> <p>(c) <b>Papers should be in international journals only.</b></p>



# What is an international journal?

## One definition:

### NORWEGIAN REGISTER FOR SCIENTIFIC JOURNALS, SERIES AND PUBLISHERS

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#### Criteria for inclusion of new scientific publication channels

To be included in the Norwegian Register for Scientific Journals, Series and Publishers, publication channels must meet the following minimum requirements:

1. Established procedures for external peer review. The concept of external peer review refers to various forms of editorial procedures that differ between academic fields and publication channels, and which indicate that the manuscript has been evaluated by one or more independent experts on the subject matter
2. An academic editorial board (or an equivalent) primarily consisting of researchers from universities, research institutes etc.
3. International or national authorship

Authorship of a publication channel is defined in accordance with the following operational criteria:

- Authorship is **international** when less than two-thirds of the authors published in the publication channel are from the same country
- Authorship is **national** when more than two-thirds of the authors published in the publication channel are from the same country
- Authorship is **local** when more than two-thirds of the authors published in the publication channel are from the same institution

Scientific publication channels with local authorship will not be included in the Norwegian Register for Scientific Journals, Series and Publishers. National authorship is required as a minimum if external peer review is to function properly in a scientific publication channel. It is questionable whether external peer review can function satisfactorily for publication channels that primarily represent an institution's own researchers. NSD determines the authorship of publication channels by reviewing the issues published during the two last years. Only original publications will be considered. Translated works that have already been published will not be considered.

See also approval procedures.



**What is a good journal?**  
**What determines the quality of a journal?**

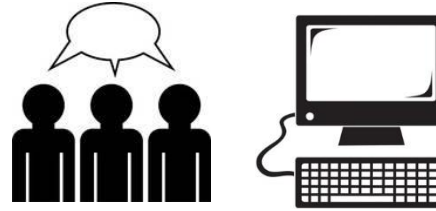
---

# Qualitative factors



- Reputation
- Editors, editorial boards
- Peer-review
- Database indexing
- Appreciation from the (high-ranking) authors
- *Acceptance rate and turn-around time [???*

# Hands-on!



- Go to the web pages of some of the journals you picked initially. Can you recognize people that have published in the journal? Colleagues? Big shots in the research area?
  - Find the information about editorial board and editors. Impressive or not? Comments?
  - Find information about the peer-review process. Is it clearly stated? Does it seem robust and trustworthy?
  - Try to get an overall impression of the journal. Good or bad? Strengths and weaknesses?
-

# Indexing in databases

Is the journal indexed in any major database?

AMERICAN MATHEMATICAL SOCIETY  
**MathSciNet**  
Mathematical Reviews

WEB OF SCIENCE™

 **GALE**  
A Cengage Company



**IET** Inspec

ProQuest

Scopus®

 **CABI**

 **CAS**  
A DIVISION OF THE  
AMERICAN CHEMICAL SOCIETY



# Indexing in databases

The databases are picky about quality!

AMERICAN MATHEMATICAL SOCIETY  
**MathSciNet**  
Mathematical Reviews

WEB OF SCIENCE™

 **GALE**  
A Cengage Company



**IET** Inspec

ProQuest.

Scopus®


 **CABI**

 **CAS**  
A DIVISION OF THE  
AMERICAN CHEMICAL SOCIETY



# Indexing in databases

For a comprehensive list of  
databases, look in Wikipedia



WIKIPEDIA  
The Free Encyclopedia

- Main page
- Contents
- Featured content
- Current events
- Random article
- Donate to Wikipedia
- Wikipedia store

Interaction

- Help
- About Wikipedia
- Community portal
- Recent changes
- Contact page

Tools

- What links here
- Related changes
- Upload file
- Special pages
- Permanent link
- Page information
- Wikidata item
- Cite this page

Print/export

Not logged in | Talk | Contributions | Create account | Log in

Article | Talk | Read | Edit | View history | Search Wikipedia

## List of academic databases and search engines

From Wikipedia, the free encyclopedia

This page contains a representative list of major databases and search engines useful in an academic setting for finding and accessing articles in [academic journals](#), [repositories](#), archives, or other collections of scientific and other articles. As the distinction between a [database](#) and a [search engine](#) is unclear for these complex [document retrieval systems](#), see:

- the general [list of search engines](#) for all-purpose search engines that can be used for academic purposes
- [bibliographic databases](#) for information about databases giving bibliographic information about finding books and journal articles.

Note that "free" or "subscription" can refer both to the availability of the database or of the journal articles included. This has been indicated as precisely as possible in the lists below.

*This is a [dynamic list](#) and may never be able to satisfy particular standards for completeness. You can help by [expanding it with reliably sourced entries](#).*

Name	Discipline(s)	Description	Access Cost	Provider(s)
<a href="#">Academic Search</a>	Multidisciplinary	Several versions: Complete, Elite, Premier, and Alumni Edition <sup>[1]</sup>	Subscription	<a href="#">EBSCO Publishing</a> <sup>[2]</sup>
<a href="#">Aerospace &amp; High Technology Database</a>	<a href="#">Aerospace</a> , <a href="#">Aeronautics</a> , <a href="#">Astronautics</a>		Subscription	<a href="#">ProQuest</a> <sup>[3]</sup>
<a href="#">African Journals Online (AJOL)</a>	Multidisciplinary	Scholarly journals published in Africa <sup>[4]</sup>	Free abstracts; Subscription full-text	<a href="#">African Journals OnLine</a> <sup>[5]</sup>
		Includes information on aging-		



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# EconLit

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**African Journal of Social Sciences**

ISSN: 2045-8452

EconLit Coverage: 2011, 1(1) - present

## Authoritative Content. Easy to Use. All in One Place.

EconLit includes the most sought-after economics publications including peer-reviewed journal articles, working papers from leading universities, PhD dissertations, books, collective

# Hands-on!



- Find a database in your area of research (regardless of if you have access to the database or not)
- Try to find the list of journals indexed in that database
- Can you find any of the journals you picked initially?



# Indexing in databases



**The databases are picky about quality!**

**A journal indexed in a major bibliographic database is most likely a good candidate for your coming manuscript.**

- **The quality perspective**
- **The outreach perspective**



# Qualitative factors (cont'd)



Expert panels

NSD

NORWEGIAN REGISTER FOR SCIENTIFIC  
JOURNALS, SERIES AND PUBLISHERS

## Criteria for inclusion of new scientific publication channels

To be included in the Norwegian Register for Scientific Journals, Series and Publishers, publication channels must meet the following minimum requirements:

1. **Established procedures for external peer review.** The concept of external peer review refers to various forms of editorial procedures that differ between academic fields and publication channels, and which indicate that the manuscript has been evaluated by one or more independent experts on the subject matter
2. **An academic editorial board (or an equivalent) primarily consisting of researchers from universities, research institutes etc.**
3. **International or national authorship**

Authorship of a publication channel is defined in accordance with the following operational criteria:

- Authorship is international when less than two-thirds of the authors published in the publication channel are from the same country
- Authorship is national when more than two-thirds of the authors published in the publication channel are from the same country
- Authorship is local when more than two-thirds of the authors published in the publication channel are from the same institution

Scientific publication channels with local authorship will not be included in the Norwegian Register for Scientific Journals, Series and Publishers. National authorship is required as a minimum if external peer review is to function properly in a scientific publication channel. It is questionable whether external peer review can function satisfactorily for publication channels that primarily represent an institution's own researchers. NSD determines the authorship of publication channels by reviewing the issues published during the two last years. Only original publications will be considered. Translated works that have already been published will not be considered.





NSD

## NORWEGIAN REGISTER FOR SCIENTIFIC JOURNALS, SERIES AND PUBLISHERS

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## ERIH PLUS

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N-5007 Bergen, Norway  
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nsd@nsd.no

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## Search

NOTE: The search is not working for ISSN ending with X.

mathematics

☐ BIBSYS-format[Search](#)[Switch to advanced search](#)

## Results

Found 649 journal(s)/series and 19 publisher(s)

The journals, series and publishers are marked with their current level (1 or 2 for admitted journals/series/publishers, - for others.)

## Journals/series:

Scientific level 2016	Title	
1	Mathematika	
1	Fasciculi Mathematici	
-	Computational and Applied Mathematics	Ceased: 1997
1	Le Mathematique	
1	Mathematica	
1	Divulgaciones Matematicas	
2	Commentarii Mathematici Helvetici	
1	Annales Polonici Mathematici	
1	Confluentes Mathematici (CM)	
1	Forum mathematicum	
1	Archivum mathematicum	
1	Colloquium Mathematicum	
2	Acta Mathematica	
1	Analysis Mathematica	
2	Compositio Mathematica	
2	Documenta Mathematica	
2	Historia Mathematica	
1	Manuscripta mathematica	
1	Mathematica Balkanica	
-	Mathematica Japonica	Ceased: 2000

Hit pages: 1 - 2 - 3 - ... - 33



# Hands-on!



- Have a look in the Norwegian list of journals
- Search for your subject
- Can you find any of the journals you picked initially?



San Francisco



Declaration on Research Assessment

[DORA](#)

[About DORA](#)

[Sign The Declaration](#)

[Media Inquiries](#)

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[A Letter to Thomson Reuters](#)

The San Francisco Declaration on Research Assessment (DORA), initiated by the American Society for Cell Biology (ASCB) together with a group of editors and publishers of scholarly journals, recognizes the need to improve the ways in which the outputs of scientific research are evaluated. The group met in December 2012 during the ASCB Annual Meeting in San Francisco and subsequently circulated a draft declaration among various stakeholders. DORA as it now stands has benefited from input by many of the original signers listed below. It is a worldwide initiative covering all scholarly disciplines. We encourage individuals and organizations who are concerned about the appropriate assessment of scientific research to sign DORA.

## The Declaration

There is a pressing need to improve the ways in which the output of scientific research is evaluated by funding agencies, academic institutions, and other parties. To address this issue, a group of editors and publishers of scholarly journals met during the Annual Meeting of The American Society for Cell Biology (ASCB) in San Francisco, CA, on December 16, 2012. The group developed a set of recommendations, referred to as the San Francisco Declaration on Research Assessment. We invite interested parties across all scientific disciplines to indicate their support by adding their names to this Declaration. The outputs from scientific research are many and varied, including: research articles reporting new knowledge, data

## News About DORA

A Simple Proposal for the Publication of  
Journal Citation Distributions

[DORA News Archives](#)

[Learn More about DORA](#)

# Qualitative factors

## – wrap up



**Comments?**  
**Suggestions?**  
**Strengths?**  
**Weaknesses?**

# Quantitative factors



- Can quality be measured in numbers?
- Citations
- Impact factors
- h-index



# Citations are collected by special citation databases

WEB OF SCIENCE™

 **LENS.ORG**  
Solving The Problem Of Problem Solving™

 **Dimensions**

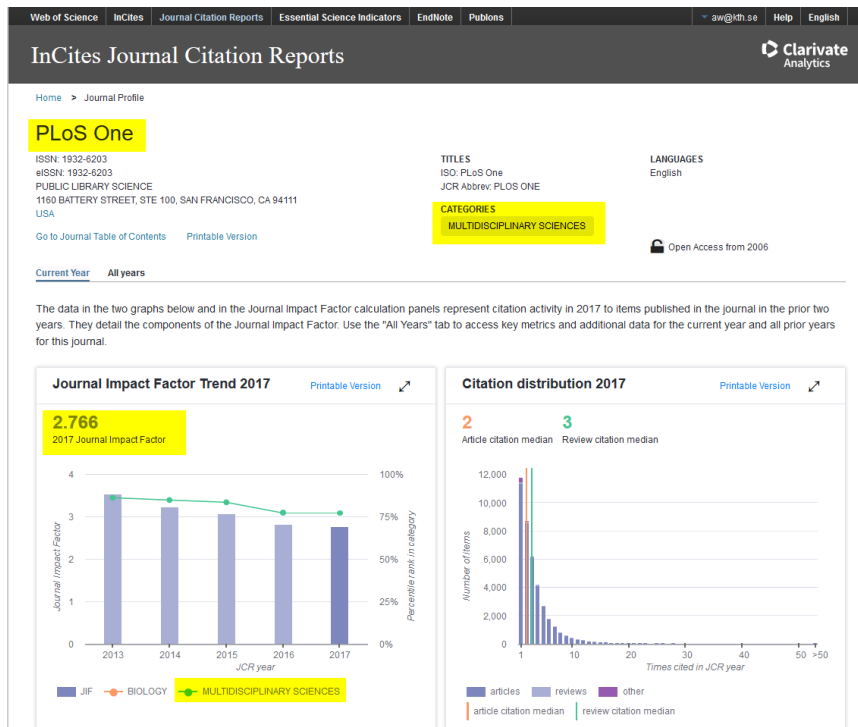
Microsoft Academic

**Scopus®**

**Google Scholar**



# The Journal Impact Factor



## Journal Impact Factor Calculation

$$\begin{array}{l} \text{2017 Journal} \\ \text{Impact} \\ \text{Factor} \end{array} = \frac{138,835}{50,188} = 2.766$$

How is Journal Impact Factor Calculated?

$$\text{JIF} = \frac{\begin{array}{c} \text{Citations in 2017 to} \\ \text{items published in} \\ \text{2015 (90,319) + 2016} \\ \text{(48,516)} \end{array}}{\begin{array}{c} \text{Number of citable} \\ \text{items in 2015} \\ \text{(28,110) + 2016} \\ \text{(22,078)} \end{array}} = \frac{138,835}{50,188}$$





Home > Journal Profile

## INVENTIONES MATHEMATICAE

ISSN: 0020-9910  
eISSN: 1432-1297  
SPRINGER HEIDELBERG  
TIERGARTENSTRASSE 17, D-69121 HEIDELBERG, GERMANY  
GERMANY (FED REP GER)

[Go to Journal Table of Contents](#) [Printable Version](#)

[Current Year](#) [All years](#)

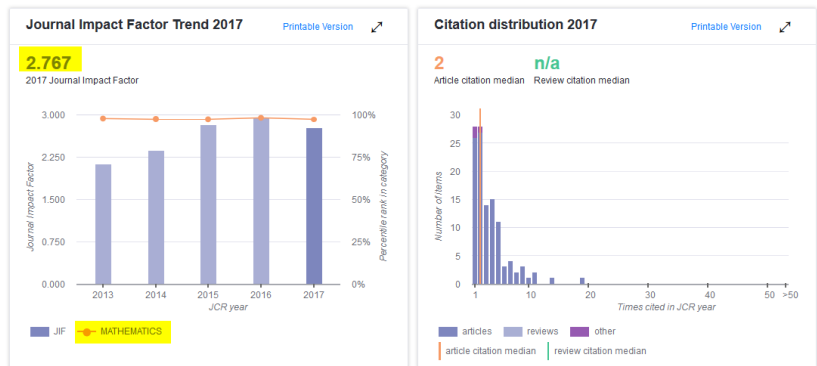
TITLES  
ISO: Invent\_Math  
JCR Abbrev: INVENT MATH

LANGUAGES  
Multi-Language

CATEGORIES  
MATHEMATICS

PUBLICATION FREQUENCY  
12 issues/year

The data in the two graphs below and in the Journal Impact Factor calculation panels represent citation activity in 2017 to items published in the journal in the prior two years. They detail the components of the Journal Impact Factor. Use the "All Years" tab to access key metrics and additional data for the current year and all prior years for this journal.



## Journal Impact Factor Calculation

$$\text{2017 Journal Impact Factor} = \frac{415}{150} = 2.767$$

---

How is Journal Impact Factor Calculated?

$$\text{JIF} = \frac{\text{Citations in 2017 to items published in 2015 (241) + 2016 (174)}}{\text{Number of citable items in 2015 (75) + 2016 (75)}} = \frac{415}{150}$$

## MULTIDISCIPLINARY SCIENCES

Multidisciplinary Sciences includes resources of a very broad or general character in the sciences. It covers the spectrum of major scientific disciplines such as Physics, Chemistry, Mathematics, Biology, etc. Nature and Science are the preeminent resources in this category and serve as typical examples. The Web site of the National Science Foundation is a good example of a web resource included in this category. Some specialized resources that have a wide range of applications in the sciences also may fall under this category. The journal *Fractals—Complex Geometry Patterns and Scaling in Nature and Society* would be an example of such a resource.

Year	Edition	# Journals	Articles	Total Cites	Median Impact Factor	Aggregate Impact Factor	Aggregate Immediacy Index	Aggregate Cited Half-Life	Aggregate Citing Half-Life
2017	SCIE	64	64,850	3,132,708	1.149	5.110	0.865	6.5	7.8
2016	SCIE	64	61,277	2,803,793	0.956	4.931	0.887	6.8	7.7
2015	SCIE								7.6
2014	SCIE								7.5
2013	SCIE								7.3
2012	SCIE								7.1
2011	SCIE								7.0
2010	SCIE								7.0
2009	SCIE								6.8
2008	SCIE								6.5
2007	SCIE								6.5
2006	SCIE								6.3
2005	SCIE								6.2
2004	SCIE								6.0
2003	SCIE								5.8
2002	SCIE								Not Available

### Aggregate Impact Factor

Cites in 2017 to items published in: 2016 =263151 Number of items published in: 2016 =60358  
 2015 =326886 2015 =55117  
 Sum= 590037 Sum= 115475

Calculation=  $\frac{\text{Cites to recent items}}{\text{Number of recent items}} = \frac{590037}{115475} = 5.11$

## MATHEMATICS

Mathematics covers resources having a broad, general approach to the field. The category also includes resources focusing on specific fields of basic research in Mathematics such as topology, algebra, functional analysis, combinatorial theory, differential geometry and number theory.

Year	Edition	# Journals	Articles	Total Cites	Median Impact Factor	Aggregate Impact Factor	Aggregate Immediacy Index	Aggregate Cited Half-Life	Aggregate Citing Half-Life
2017	SCIE	310	26,428	494,556	0.704	0.855	0.242	>10.0	>10.0
2016	SCIE	311	26,198	440,268	0.643	0.775	0.191	>10.0	>10.0
2015	SCIE	312	25,801	405,433	0.614	0.735	0.174	>10.0	>10.0
2014	SCIE	312	24,571	379,429	0.607	0.741	0.166	>10.0	>10.0
2013	SCIE								>10.0
2012	SCIE								>10.0
2011	SCIE								>10.0
2010	SCIE								>10.0
2009	SCIE								>10.0
2008	SCIE								>10.0
2007	SCIE								>10.0
2006	SCIE								>10.0
2005	SCIE								>10.0
2004	SCIE								>10.0
2003	SCIE								>10.0
2002	SCIE								Not Available

### Aggregate Impact Factor

Cites in 2017 to items published in: 2016 =19858 Number of items published in: 2016 =26502  
 2015 =25464 2015 =26515  
 Sum= 45322 Sum= 53017

Calculation=  $\frac{\text{Cites to recent items}}{\text{Number of recent items}} = \frac{45322}{53017} = 0.855$

# InCites Journal Citation Reports

Home



Go to Journal Profile

Master Search



Compare Journals

View Title Changes



Select Journals

Select Categories

- ☐ ENGINEERING, PETROLEUM
- ☐ ENTOMOLOGY
- ☒ ENVIRONMENTAL SCIENCES
- ☐ ENVIRONMENTAL STUDIES
- ☐ ERGONOMICS
- ☐ ETHICS

< >

Journals By Rank

Categories By Rank

Journal Titles Ranked by Impact Factor

Compare Selected Journals

Add Journals to New or Existing List

Customize Indicators

Select All		Full Journal Title	Total Cites	Journal Impact Factor	Eigenfactor Score
<input type="checkbox"/>	1	Energy & Environmental Science	71,920	30.067	0.18018
<input type="checkbox"/>	2	Nature Climate Change	17,986	19.181	0.09659
<input type="checkbox"/>	3	GLOBAL CHANGE BIOLOGY	36,182	8.997	0.07232
<input type="checkbox"/>	4	ENVIRONMENTAL HEALTH PERSPECTIVES	39,741	8.440	0.04395
<input type="checkbox"/>	5	FRONTIERS IN ECOLOGY AND THE ENVIRONMENT	9,137	8.302	0.01623
<input type="checkbox"/>	6	CRITICAL REVIEWS IN ENVIRONMENTAL SCIENCE AND TECHNOLOGY	4,707	7.683	0.00577
<input type="checkbox"/>	7	ENVIRONMENT INTERNATIONAL	19,430	7.297	0.02990
<input type="checkbox"/>	8	LAND DEGRADATION & DEVELOPMENT	4,655	7.270	0.00627



## Sources

Subject area ▾

Enter subject area

Subject: Environmental Science ✕

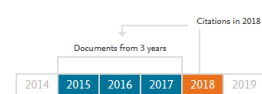


## CiteScore metrics for journals and serials

CiteScore metrics from Scopus are:

- Comprehensive
- Transparent
- Current and free

Use this page to find a source and view associated metrics. Use qualitative as well as quantitative metrics when presenting your research impact. Always use more than one quantitative metric. [Learn more about CiteScore.](#)



## Filter refine list

Apply Clear filters

## Display options

☐ Display only Open Access journals☐ Display only source with

minimum 0 Documents ▾  
(previous 3 years)

## CiteScore highest quartile

☐ Show only titles in top 10 percent☐ 1st quartile☐ 2nd quartile☐ 3rd quartile☐ 4th quartile

2,445 results

Export to Excel Download Scopus Source List ⓘ

View metrics for year: 2018 ▾

Source title ▾	CiteScore ▾	Highest percentile ▾	Citations 2018 ▾	Documents 2015-17 ▾	% Cited ▾	SNIP ▾
MMWR. Recommendations and reports : Morbidity and mortality weekly report. Recommendations and reports / Centers for Disease Control <a href="#">Open Access</a>	87.75	99% 1/89 Epidemiology	1,053	12	100	42.774
<a href="#">KTH Biblioteket &gt;&gt;</a> <a href="#">KTH Biblioteket &gt;&gt;</a>						
Energy and Environmental Science	32.34	99% 1/61 Nuclear Energy and Engineering	29,396	909	98	4.622
<a href="#">KTH Biblioteket &gt;&gt;</a> <a href="#">KTH Biblioteket &gt;&gt;</a>						
MMWR. Surveillance summaries : Morbidity and mortality weekly report. Surveillance summaries / CDC	26.12	99% 2/246	1,463	56	88	16.069

## CiteScore 2016 methodology

CiteScore 2016 counts the citations received in 2016 to documents published in 2013, 2014 or 2015, and divides this by the number of documents published in 2013, 2014 and 2015.



### 3-year publication window

The 3-year CiteScore time window was chosen as a best fit for all subject areas. Research shows that a 3-year publication window is long enough to capture the citation peak of the majority of disciplines.

### Frequency

	CiteScore	CiteScore Tracker (on Scopus.com)
Calculated	Annually	12 times per year
Updates	None	Monthly

### Document types

All types of documents (research articles, review articles, conference proceedings, editorials errata, letters, notes, and short surveys) are included in the CiteScore calculation. Although articles in press are included in Scopus they are not included in the calculation.



# Journal Impact Factors



**Comments?**  
**Suggestions?**  
**Strengths?**  
**Weaknesses?**

# Journal Impact Factor



- 80/20 relationship (roughly 80% of the articles get 20% of the citations)
  - Different citation patterns in different research areas
  - Different citation patterns for different article types (original research, review, editorials, conference papers/abstracts etc.)
  - The impact factor of a journal doesn't necessarily say anything on the article level
-





## SOURCE NORMALIZED IMPACT PER PAPER (SNIP)

*journal's citation count per paper*

*citation potential in its subject field*

Source normalized impact per paper (SNIP) **corrects for differences in publication rated among disciplines**. It weighs citations to a journal based on the number of citations in that field. **So disciplines with smaller publication rates can be compared to ones with higher rates**. It's defined as the ratio of a journals citation count per paper and the citation potential (average length of lists of reference lists in a field) for the journals subject field.

**Citation potential is shown to vary not only between journal subject categories** – groupings of journals sharing a research field – or disciplines (e.g., journals in mathematics, engineering and social sciences tend to have lower values than titles in life sciences), **but also between journals within the same subject category**. For instance, basic journals tend to show higher citation potentials than applied or clinical journals, and journals covering emerging topics higher than periodicals in classical subjects or more general journals. **SNIP corrects for such differences**.

(Source: <http://www.lib.vt.edu/research/metrics/journal/snip.html>)

---



## Journal indicators

### Select subject area

Main area:

Environmental Science

Subarea:

All subareas

### Select sources and sort order

Search for:

☒ Title ☐ ISSN ☐ Publisher

Order by:

SNIP (source normalized impact per publica

☒ Show stability intervals

### Advanced parameters

Year:

2015

Source type:

All source types

Minimum number  
of publications:

50

937 sources matching the selection criteria have been found.

	Title	P	SNIP	Stability interval	
1	<a href="#">Nature Climate Change</a>	464	4.64		
2	<a href="#">Energy and Environmental Science</a>	1233	4.16		
3	<a href="#">Morbidity and Mortality Weekly Report</a>	451	4.10		
4	<a href="#">Annual Review of Ecology, Evolution, and Systematics</a>	76	3.63		
5	<a href="#">Frontiers in Ecology and the Environment</a>	180	3.01		



# SJR

## Scimago Journal & Country Rank

Home Journal Rankings Country Rankings Viz Tools Help About Us

Environmental Science All subject categories All regions / countries All types

2015

☐ Display only Open Access Journals ☐ Display only SciELO Journals (In Progress) Display journals with at least 0 Citable Docs. (3years) Apply

Download data

1 - 50 of 1370

	Title	Type	↓ SJR	H index	Total Docs. (2015)	Total Docs. (3years)	Total Refs.	Total Cites (3years)	Citable Docs. (3years)	Cites / Doc. (2years)	Ref. / Doc.
1	Energy and Environmental Sciences	journal	10.475 Q1	158	331	1261	23773	29756	1234	25.10	71.82
2	Annual Review of Ecology, Evolution, and Systematics	journal	9.624 Q1	165	28	76	3614	888	76	9.55	129.07
3	Nature Climate Change	journal	9.562 Q1	69	316	840	8023	8010	536	14.91	25.39
4	Advances in Optics and Photonics	journal	8.416 Q1	30	1	28	338	358	26	14.39	338.00
5	Geochemical Perspectives	journal	7.169 Q1	8	2	10	785	106	10	7.00	392.50
6	MMWR. Morbidity and mortality weekly report	journal	5.770 Q1	152	351	895	2537	4981	537	11.15	7.23
7	Methods in Ecology and Evolution	journal	5.513 Q1	39	187	395	7079	2948	392	6.33	37.86
8	Global Change Biology	journal	5.379 Q1	167	384	966	27022	7987	927	8.14	70.37

# Avoiding predatory publishers

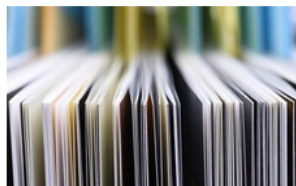


Jeffrey Beall, author  
of Beall's list

“In academic publishing, predatory open access publishing is an exploitative open-access publishing business model that involves charging publication fees to authors without providing the editorial and publishing services associated with legitimate journals (open access or not).”

Wikipedia – 2017-03-06

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SOUTH AFRICA

## Predatory journals in the firing line

Edwin Naidu and Sharon Dell 31 May 2019

[Share](#) [Tweet](#) [Share 312](#)

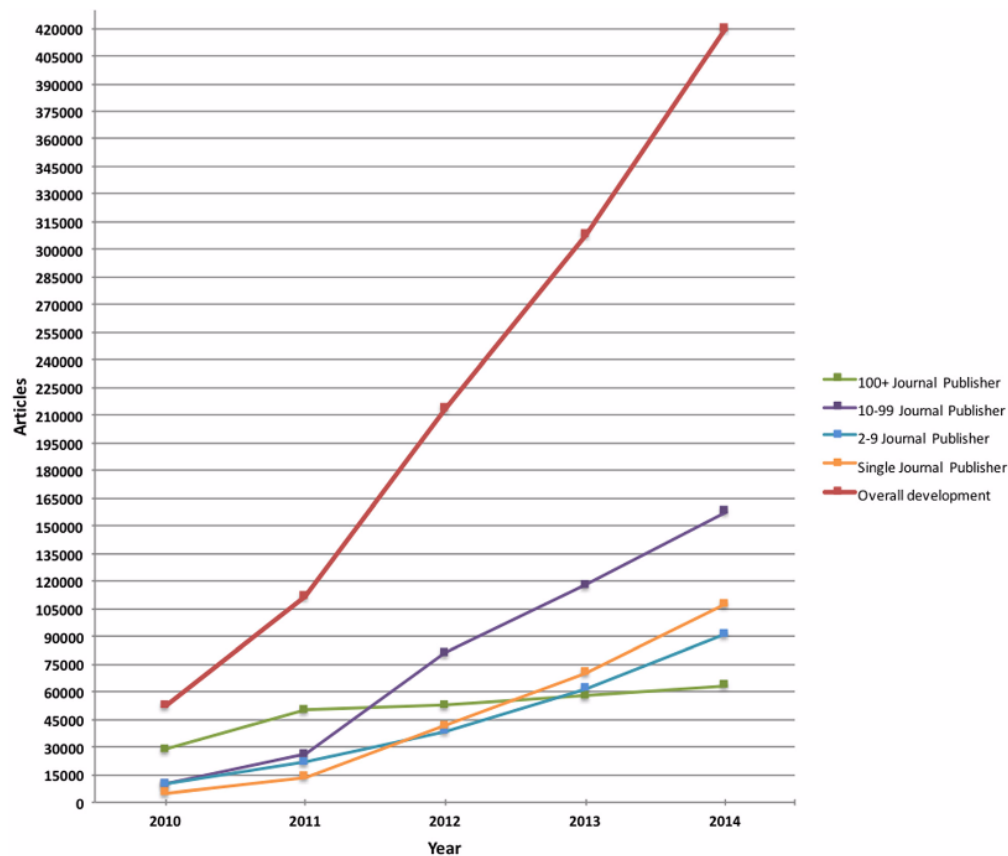
South Africa's Department of Higher Education and Training (DHET) has begun clamping down on academics publishing in predatory journals, withholding at least ZAR62 million (US\$4.2 million) in subsidies during the 2016-17 academic year, with further action on the cards once a study is completed, according to Mahlubi 'Chief' Mabizela, a senior department official.

"Predatory publishing is a threat to the credibility of academic publishing worldwide. We withheld 574.86 units and the Rand value for 2016-17 was ZAR108,693 (574.86 units x ZAR108,693 = ZAR62,483,257). However, as much as this is the total amount withheld, it is immediately put in the same budget of the funding distributed to institutions, making the Rand value slightly higher," said Mabizela, the chief director for university education policy and development in the department.



Cairo, Egypt  
8 - 11 July 2019





**Fig. 3** The development of predatory open access article volumes from 2010 to 2014

# Characteristics



- No or poor connection with Academia
- High acceptance rate, fast turn-around
- Minimal or non-existent peer review
- Aggressive mailing campaigns
- Usually not indexed in major databases = (no Web of Science = no JIF, no Scopus = no )
- Open Access



## Call for Papers

### American Journal of Computational Mathematics

Google-based Impact Factor: 0.56

Dear ,

This e-mail is sent from [American Journal of Computational Mathematics \(AJCM\)](#), a peer-reviewed open access journal. We would like to invite you to submit related papers to us via the [Paper Submission System](#).

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- Rapid Publication
- Lifetime Hosting
- Free Indexing Service
- Free Promotion Service
- More Citations
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A New One-Twelfth Step Continuous Block Method for the Solution of Modeled Problems of Ordinary Differential Equations

Emmanuel Adegbemiro Areo, Micheal Temitope Omojola

Performance and Improvement of Production Line Function Using Computer Simulation (Case Study: An Iron Foundry)

Alireza Abedi Saidabad, Houshang Taghizadeh

A Quadratic Regression Analysis of the Effect of Three Levels of NPK Fertilizer on the Yield of Yellow Maize

Osuolale Peter Popoola, Kenhide Kazeem Adesanya, Taiwo Matthew Odusina, Ayanniyi Wole Ayanrinde

Asymptotic Solutions for the Fifth Order Critically Damped Nonlinear Systems in the Case for Small Equal Eigenvalues

Md. Firaj Alam, M. Abul Kawser, Md. Mahafujur Rahaman

#### Relevant Journals

American Journal of Operations Research  
Advances in Linear Algebra & Matrix Theory  
Journal of Mathematical Finance

Best regards,

Ms. Sherry Ge (Editorial Assistant)

AJCM Editorial Office

E-mail: [ajcm@scirp.org](mailto:ajcm@scirp.org)

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O. BOX 54821, Irvine CA 92619-4821, USA.

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Development Zone, Wuhan 430223, Hubei Province, China.



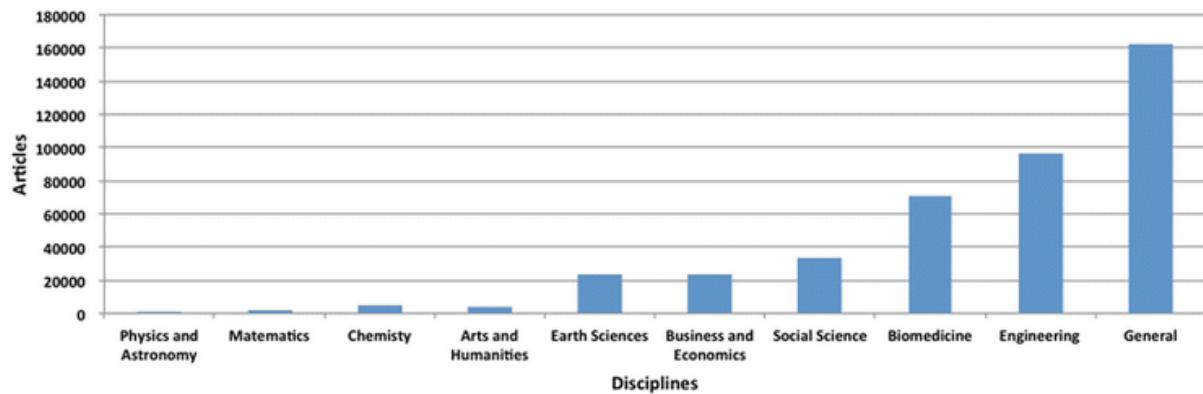


Fig. 4

The distribution of predatory open access articles in 2014 by scientific discipline

Shen C, Bjork BC. 'Predatory' open access: a longitudinal study of article volumes and market characteristics. BMC medicine. 2015;13:230.

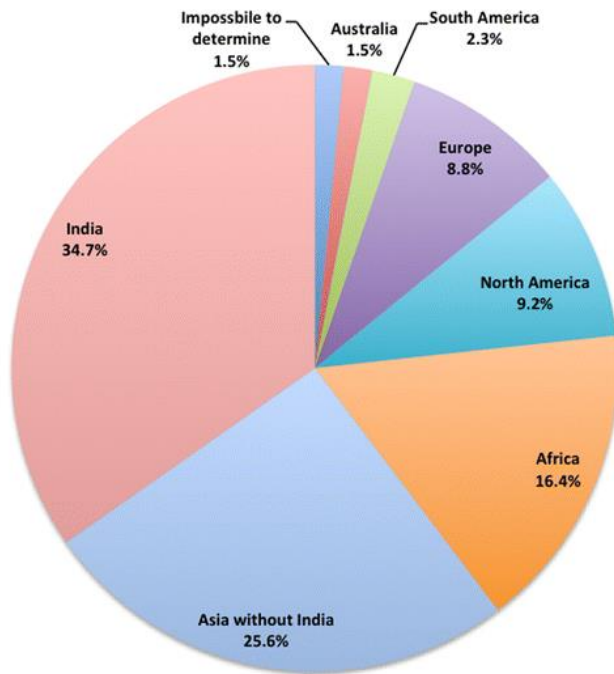
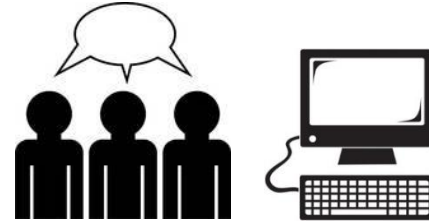


Fig. 8  
The distribution of the corresponding authors by geographic regions

# Hands-on!



- Have a look at <https://predatoryjournals.com/journals/>
- Find a journal in your subject
- Do a qualitative analysis! Your impression?
- Try to find information about database indexing
- Do they present any "Impact Factor"?



Free Paper Publication in Recommended New Journals

Username

Login

Password

Register

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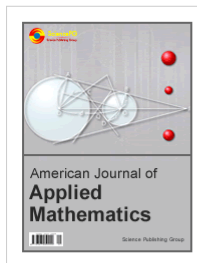
Article Title



## American Journal of Applied Mathematics

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Sintayehu Agegnehu Matintu

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Saad Shakir Mahmood, Samira Hassan Shnywer

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By John Bohannon | Sep. 30, 2015, 8:00 PM

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A new study finds that the fake journal business is booming—and puts some hard numbers on this murky academic underworld. Last year alone, so-called predatory publishers took in about \$75 million and published nearly half a million articles, [researchers report today online in BMC Medicine](#).


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