

# Publishing & Reviewing in Life Sciences and Exact Sciences

October 22 and 24, 2024

Nele Dexters & Raf Guns

*Research, Innovation & Valorisation Antwerp (RIVA)*

*DOA team*

# Communication of Research

To peers



↑  
Our **focus** is here

To broader audience



**Social Media**

# Why?



# Publications



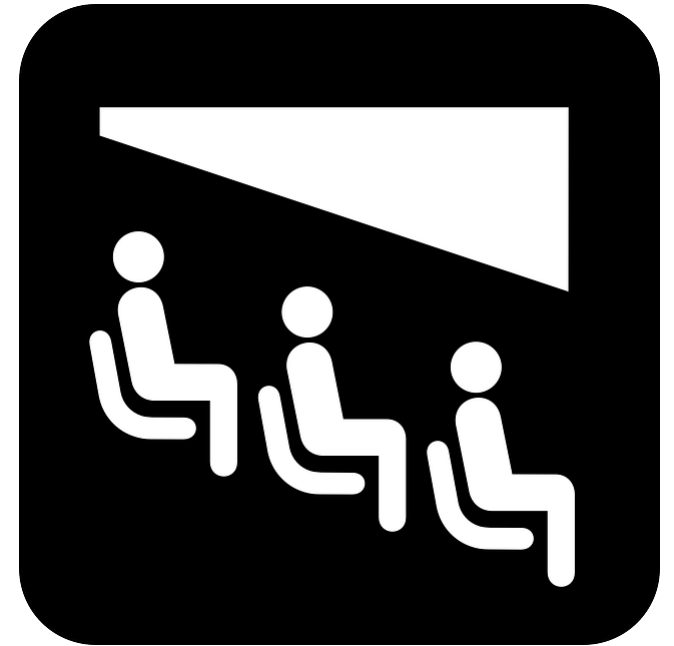
## ***Think before writing (and submitting)***

- Audience
- Publication Type
- Number and Order of Authors
- Quality ↔ Quantity



# Write for the right audience

- Do not write for yourself
- Nor for your colleagues
- Write for your **peers** (authors you cite)
- Write for **reviewers** (represent audience + gate keepers)



# Choose the right publication type

## Article ↔ Book

Different publication types  
(100 m sprint vs. 42 km marathon)

	Book	Article
Size impact	+	±
Lasting impact	+	±
Review process	Slow	Fast(?)
Production process	Slow	Fast
Editor role (commercial)	Large	Smaller
Writing time	5 x	1 x
Argument	Broad	Focused

## Article ↔ Conference proceedings

- Discipline-dependent
- ‘Effort’ equals that of an article
  
- Often marginalized!

# Alone ↔ with co-authors

## Pros

- Division of tasks (specialized)
- Shows ability to work together
- More work done (quantity)
- Learn from one another (student vs. supervisor)

Co-author with  
nice, reliable people

## Cons

- Ghost authorship
- Honorary authorship
- Independence, creativity, leadership?
- Only data provider, analyst

Surfing on others' efforts



# Alone ↔ with co-authors

## Make **clear** and **explicit** agreements

- Before start
- About **who** should be co-author
- About **order** of authors (domain specific)

[www.icmje.org](http://www.icmje.org)

### Who should be co-author?

1. Substantial contributions to conception and design, acquisition of data, or analysis and interpretation of data; AND
2. Drafting the article or revising it critically; AND
3. Final approval of the version to be published; AND
4. Agreement to be accountable for all aspects of the work

# UAntwerp policy guidelines on authorship

## > Research, Innovation & Valorisation Antwerp (RIVA) || Nederlands

[Infosessions & Training](#) [Calls](#) [Funding](#) [Policy & Regulations](#) [Publishing & Data](#) [Valorisation](#) [About us](#)

[Start](#) > [Mijn Subsites](#) > [Research, Innovation & Valorisation Antwerp \(RIVA\)](#) > [Publishing & Data](#) > [Affiliation & authorship](#)

### Publishing & Data

[Affiliation & authorship](#)

[ORCID ID](#)

[Bibliometrics](#)

[Academic Bibliography](#)

[Open Access](#)

[Malpractices](#)

[Research Data Management](#)

[Nagoya-Protocol](#)

## Correct affiliation on your publication

### What's in a name?

Always spell out your last name and first name in **full** if possible. Also make sure to add **initials**, if any; initials are most useful to distinguish yourself from possible namesakes. Always be **consistent** in using the same name on all your publications!

### Essential information on your publication

Each publication should carry your **name**, followed by the **correct** name of our university:

- Universiteit Antwerpen / University of Antwerp
- Universitair Ziekenhuis Antwerpen (UZA) / Antwerp University Hospital

This name must always be used on all your publications!  
Never use the abbreviation UA!

If possible, add your faculty, department, service/lab/research unit, but be **consistent** in using the same descriptions.

Also mention the **source of your funds** (e.g. FWO, ERC, ...), and include grant/project numbers whenever possible. A few examples are listed in the Library Department's [Open Access procedure](#) (see top of page 2).

Add the correct and full **address** of one of the UAntwerp campuses:

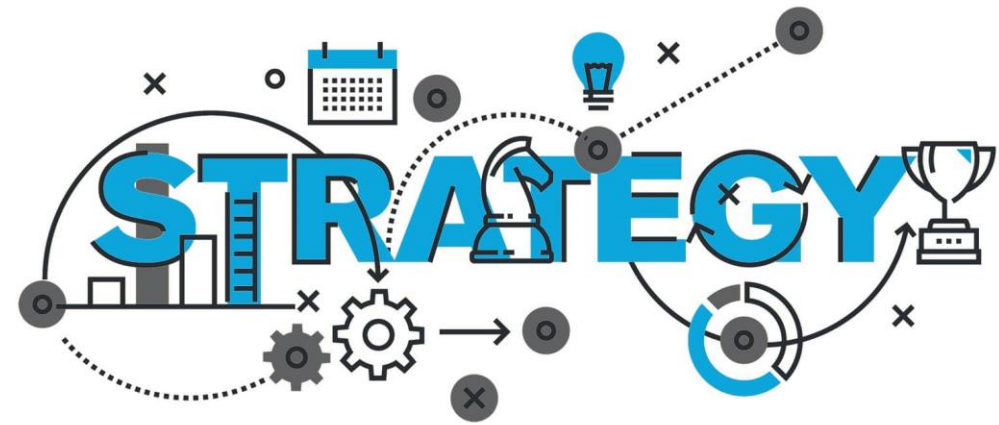
## How to identify yourself as a researcher?

- [ResearcherID](#)
- [ORCID](#)
- [Google Scholar profile](#)
- [Manual Academic Footprint \(Social Media\)](#)

## Guidelines for Authors

- [Richtlijnen](#)
- [Guidelines](#)

# Quality ↔ quantity



## Dilemma between

Publishing a **lot** ↔ Publishing a **few, high-impact** publications

- **False** contrast: quality and quantity are related!  
But still: **let quality prevail!**
- Try to find a good **balance** between quality and quantity

# If you want to learn more

 Universiteit Antwerpen

 **ANTWERP DOCTORAL SCHOOL**

Procedure doctoreren

**Doctoraatsopleiding**

Reglementen en documenten

Dubbeldoctoraten

Ondersteuning

Nieuws

Contact

[UAntwerpen](#) > [Centra](#) > [Antwerp Doctoral School](#) > [Doctoraatsopleiding](#) > [Trainingsaanbod](#)

## Doctoraatsopleiding

Trainingsaanbod

— [Cursusaanbod ADS](#)

— **Cursusaanbod UAntwerpen**

— [Cursusaanbod interuniversitair](#)

— [E-learning](#)

[Regelgeving trainingsaanbod](#)

[Opleidingskrediet](#)

[Activiteiten rapporteren \(procedure\)](#)

## Cursusaanbod UAntwerpen

Hieronder vind je een overzicht van cursussen binnen UAntwerpen **die kunnen bijdragen aan je doctoraatsopleiding** en die ondersteund worden door ADS:

- [Assistentenopleiding \(ECHO\)](#)
- [Bachelor-of mastervakken volgen in het kader van je doctoraatsopleiding](#)
- [CalcUA](#)
- [Certificaat proefdierkunde](#)
- [Dive-into-PhD](#)
- [Dive-into-Business](#)
- [Dive-into-Projects](#)
- **[Nature Masterclasses online platform](#)**
- [OASL: leerplatform voor ICT-vaardigheden](#)
- [StatUA: Centrum voor Statistiek aan de Universiteit Antwerpen](#)
- [Taalopleidingen](#)
- [Wetenschap voor iedereen](#)

<https://masterclasses.nature.com/>

**nature**masterclasses



Register



Log in

Professional development  
training for researchers – via  
online courses and workshops

Request a quote

# Journal selection

# Unpublished research is virtually invisible: no science without publications!

- Very important for the **reputation** of scientists
- **Quantifying**
  - Amount of publications
  - The **prestige** of the channels in which they appeared, and
  - Their **impact** (citations and derived indicators)is common practice
- In addition, the **academic** and **societal** impact of publications is of increasing importance



How to choose the *most appropriate* journal/publisher/conference  
for your work?

# Where to publish? Tips for selecting a journal



- Aim for journals in your **discipline**
  - Discuss with co-authors, colleagues, supervisor
  - Check some examples of recent papers
- Aim for journals with a **good reputation**
- Aim for a **diversity** of journals

[Open Access Week 2023 | Bibliotheek | Universiteit Antwerpen \(uantwerpen.be\)](#)

Introduction FAIRVault

Financing an Open Access article

How to select a journal?

Open Access for Students by Felipe de Andrade

Introduction to Open Science

Introduction to the Institutional Repository



## Journal Impact Factor Calculation

$$\text{2019 Journal Impact Factor} = \frac{61,498}{6,534} = 9.412$$

How is Journal Impact Factor Calculated?

$$\text{JIF} = \frac{\text{Citations in 2019 to items published in 2017 (34,415) + 2018 (27,083)}}{\text{Number of citable items in 2017 (3,261) + 2018 (3,273)}} = \frac{61,498}{6,534}$$

## WoS Journal Impact Factor (JIF)

JIF reflects the yearly **average** number of **citations** that articles published in the last two years in a given journal received.

- Used as a proxy for the **relative importance** of a journal within its field.
- Don't compare JIF **values across** subject categories!

# Traditional journals vs open access journals

## Classic journal

- Usually no cost for authors
- To gain access you need a subscription



## Open access journals

- May charge publishing fees (APCs)
- Free access to read



13,783  
JOURNALS WITHOUT  
APCS

20,996  
JOURNALS

# Predatory journals and conferences

- Checklists how to **recognize** predatory outlets:
  - Journals/publishers <https://thinkchecksubmit.org/>
  - Conferences <https://thinkcheckattend.org/>
- **Reliable** open access journals:  
Directory of Open Access Journals  
<https://doaj.org/>



# Hijacked journals

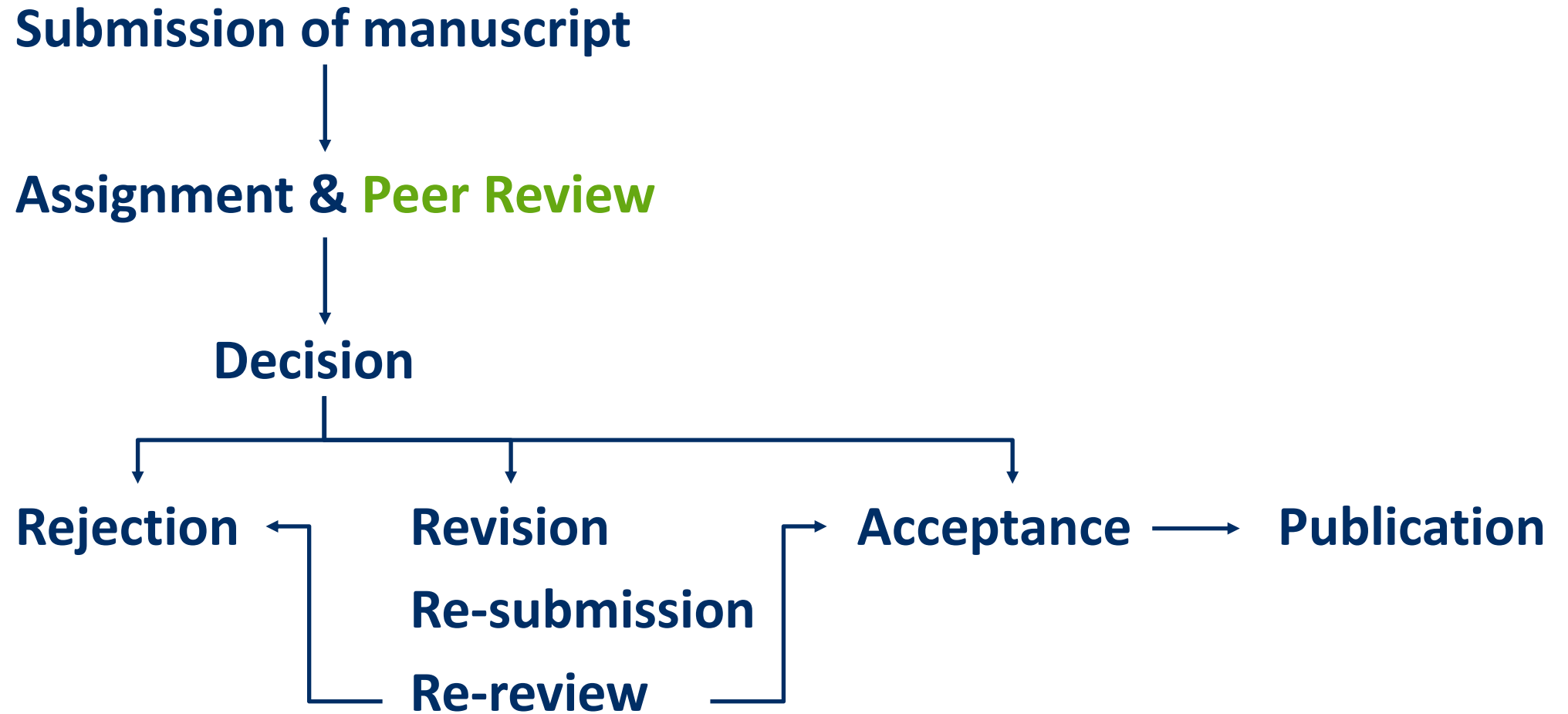
The screenshot shows the official website of the journal 'Gedrag & Organisatie'. At the top left is the logo for 'Amsterdam University Press' (AUXP). The navigation bar includes 'Journals', 'Proceedings', 'For authors', and a language selector set to 'NL'. The main heading is 'Gedrag & Organisatie'. Below it are tabs for 'Over', 'Huidige nummer', 'Eerder verschenen', 'Redactionele informatie', and 'Overige Informatie en Archief'. A featured article is displayed with a cover image and text describing the journal's focus on social, work, and organizational psychology. A sidebar on the right contains sections for 'Delen', 'Tools' (with options to add to favorites or recommend), 'Legenda' (with icons for subscription, open access, and free access), and 'Verwacht' (with the text 'Creating Place in Early Modern European').

The screenshot shows a hijacked version of the journal's website. The header features a large 'G & O' logo and the text 'Peer reviewed - Scholarly Open Access Journal'. A prominent message asks users to submit manuscripts to 'submitgando@gmail.com'. The navigation bar includes links for 'Home', 'Author Guidelines', 'Editorial Board', 'Archives', 'Current Issue', and 'Contact Us'. The main content area is titled 'GEDRAG & ORGANISATIE REVIEW' and contains a paragraph about the journal's scope. A sidebar on the right has buttons for 'Current Issue', 'For Authors', 'Paper Format', and 'Submit Paper'. At the bottom, there is a 'Crossref DOI' section and a note about DOI registration.

<https://retractionwatch.com/the-retraction-watch-hijacked-journal-checker/>

# Peer Review

# Publishing process



# Peer review

- determine the **validity**, **significance** and **originality** of the work
- suggest any **improvements** that are to be made in the manuscript
- closely check **methodologies**, **validity** of data and consider **ethical approach**
  
- on the recommendations of peer reviewer, editor will
  - **accept**,
  - accept with (major/minor) **revision** or
  - **reject** a manuscript

# Types of peer review

- **Single blind:** reviewer knows the identity of authors, but authors don't know the identity of reviewers
- **Double blind:** authors and reviewers are unknown to each other; article is anonymized
- **Open identity:** authors' and reviewers' identities are disclosed
  - This *may* be what is meant when one refers to “open peer review”. Another common interpretation of open peer review refers to **open contents**, in which the review contents are made publicly available





# Knowledge Clips

Open Access Week 2023 |  
Bibliotheek | Universiteit  
Antwerpen (uantwerpen.be)



Addressing unmet needs

FAIRVault project's proposition

Institutional control

Custom storage, centrally controlled access to institutional research data assets


**Introduction FAIRVault**



How to finance an Open Access article?

- Free system: Green and Gold
- Research with APCs
- Research government
- Member institutions
- Special issue funding
- We might have a better deal, check [https://www.elsevier.com/locate/0304-4076\(2023\)100001-0](#)

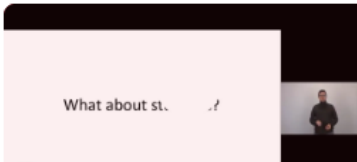
**Financing an Open Access article**



How to select a journal?


Wentj Oudekerk - Bibliometry of Antwerp library  
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**How to select a journal?**



What about st. ...?

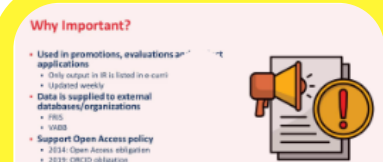
**Open Access for Students by Felipe de Andrade**



What is "Open" Science?

the practice of science in such a way that others can collaborate and contribute, where research data, lab notes and other research processes are freely available, under terms that enable reuse, redistribution and reproduction of

**Introduction to Open Science**



Why Important?

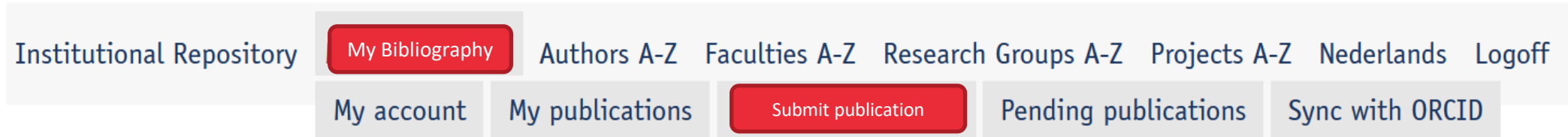
- Used in promotions, evaluations and other applications
- Only output in IR is listed in e-prints
- Updated weekly
- Data is supplied to external databases/organizations
- FRS
- VUB
- Support Open Access policy
- 2014: Open Access obligation
- 2023: ORCID obligation

**Introduction to the Institutional Repository**

# How to register output in the institutional repository?

- Register publication as soon as published

repository.uantwerpen.be



- <mailto:helpdesk@library.uantwerpen.be>
  - When adding paper to the repository for the **first** time
  - For publications from former employers (! mention if publications are indexed in Web of Science)
  - to add corrections, fulltext, ....
- Monthly updates from Web of Science

# Link research projects & research output

- Reporting via the university's databases is currently already **mandatory** for FWO, BOF and IOF funding.

More information:

<https://www.uantwerpen.be/en/library/research/>

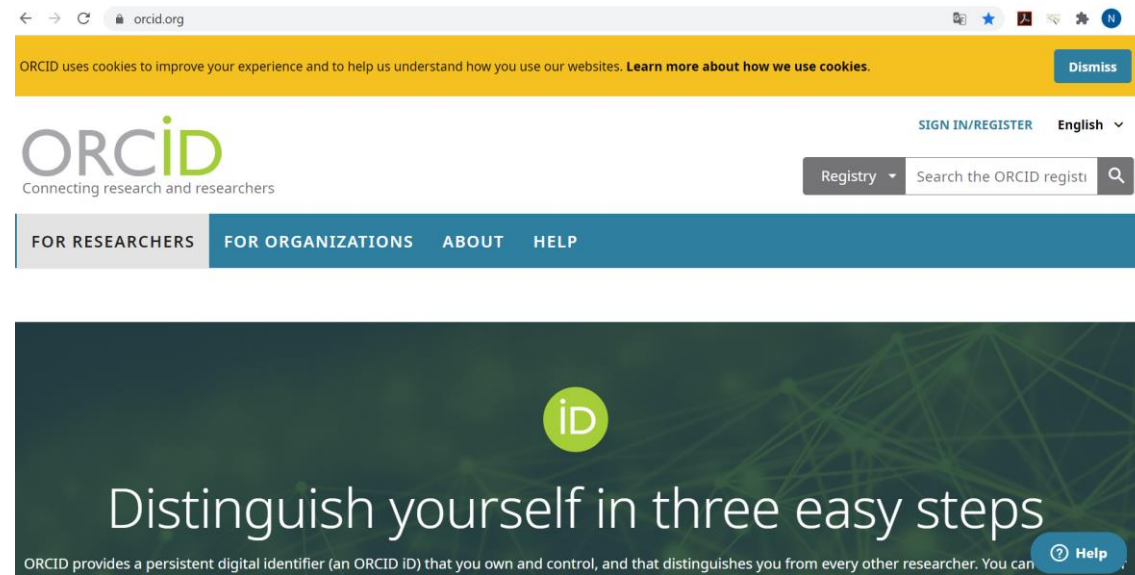
# ORCID

## Open Researcher and Contributor Identifier

orcid.org

ORCID is used around the world by


- Publishers
- Research organisations
- Funder



The screenshot shows the ORCID website homepage. At the top, there is a yellow banner with a cookie notice: "ORCID uses cookies to improve your experience and to help us understand how you use our websites. Learn more about how we use cookies." with a "Dismiss" button. Below this is the ORCID logo and the tagline "Connecting research and researchers". There are links for "SIGN IN/REGISTER" and "English". A search bar is present with the text "Registry" and "Search the ORCID registry". A navigation bar contains links for "FOR RESEARCHERS", "FOR ORGANIZATIONS", "ABOUT", and "HELP". The main content area features a dark green background with a network diagram and the text "Distinguish yourself in three easy steps" next to a green "iD" icon. A "Help" button is also visible.

**Sofia Maria Garcia Hernandez**

**ORCID ID**

 <https://orcid.org/0000-0002-2771-9344>

 [Print view](#) 

**Also known as** 

Sofía María, S. M. Garcia, S. M.

Hernandez, S. M. Garcia Hernandez

# How to register and synchronize IR with ORCID?



Institutional Repository My bibliography Authors A-Z Faculties A-Z Research Groups A-Z Projects A-Z Nederlands Logoff

**My account** My publications Submit publication Pending publications **Sync with ORCID**

Snelzoeken Geavanceerd zoeken Zoekhistoriek Bewaarlijst

More information:

<https://www.uantwerpen.be/en/library/research/>

# Knowledge Clips – Open Access


Open Access Week 2023 |  
Bibliotheek | Universiteit  
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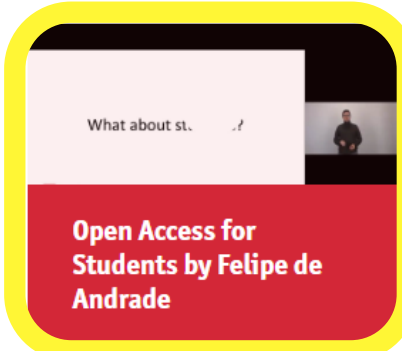
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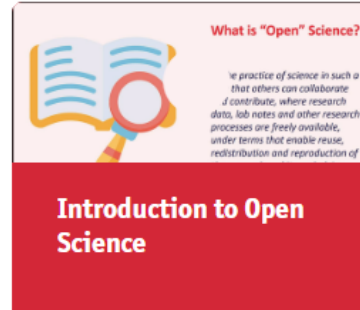
**Financing an Open Access article**



**How to select a journal?**



**Open Access for Students by Felipe de Andrade**



**Introduction to Open Science**



**Introduction to the Institutional Repository**

# University of Antwerp Open Access Policy

- All UAntwerp authors are **obliged** to include the PDF of
  - either the final author version, or
  - an open access publisher's versionwhen reporting a peer-reviewed journal article for inclusion in AB.
- Final accepted manuscripts (author versions) can be made freely available according to the Belgian Open Access law
  - Belgian Open Access law explained by prof. Esther van Zimmeren from the Faculty of Law: <https://www.youtube.com/embed/HVSIkDyGtmw>



# Knowledge Clips - Open Science

Open Access Week 2023 |  
Bibliotheek | Universiteit  
Antwerpen (uantwerpen.be)



Addressing unmet needs

FAIRVault project's proposition

Open-access, self-archiving, persistent identifiers, metadata, research data, aligned with local regulatory context

Institutional control

Custom storage, centrally controlled access to institutional research data assets


**Introduction FAIRVault**



How to finance an Open Access article?

- Research with APCs
- Research government
- Author pay/funder agencies
- Special issue/consortia/prints
- We might have a better idea, check <https://www.elsevier.com/authoropenaccess>

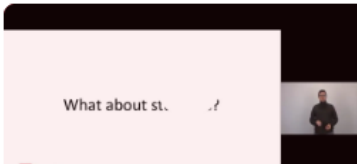
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**How to select a journal?**



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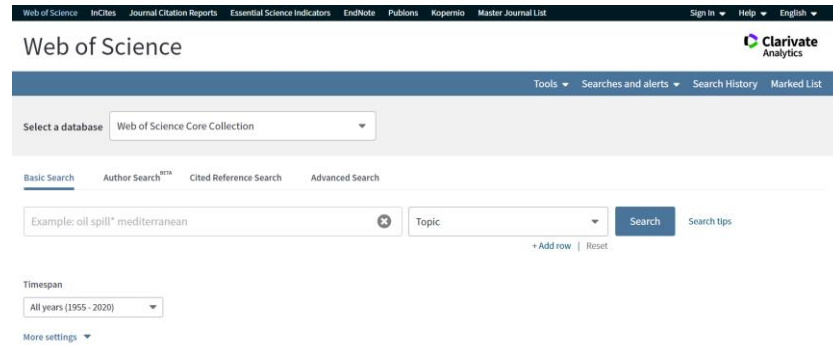
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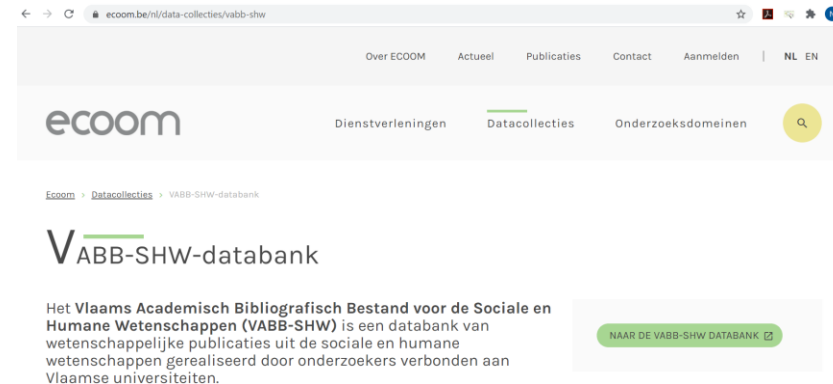
# Publication databases

## Web Of Science (WoS)



[www.webofknowledge.com](http://www.webofknowledge.com)

## VABB-SHW



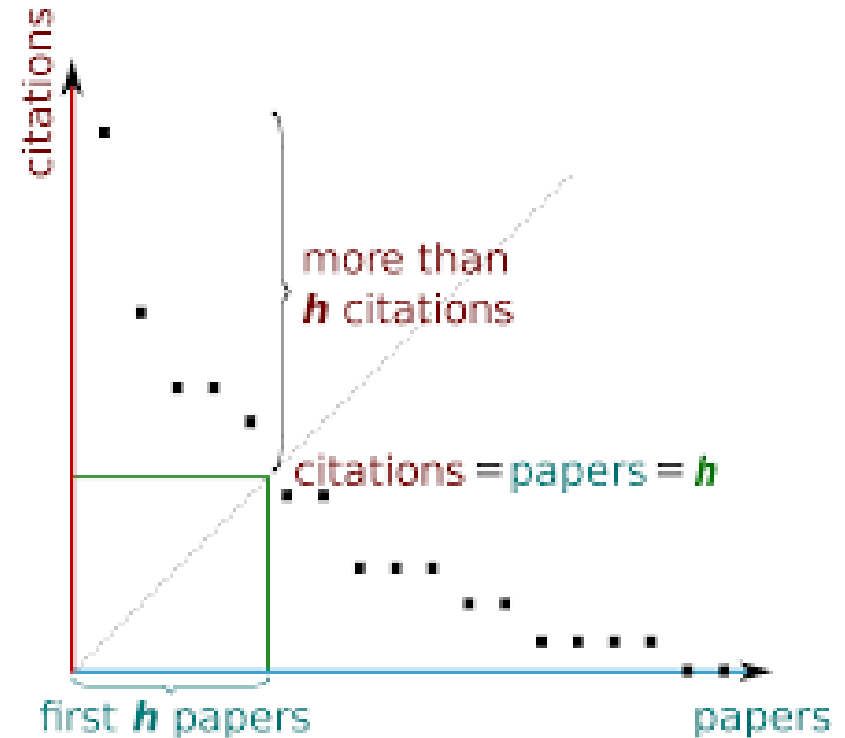
[www.ecoom.be/vabb](http://www.ecoom.be/vabb)

And many others:

- Scopus (Elsevier)
- Google Scholar
- ...

# Indicator of author impact: h-index

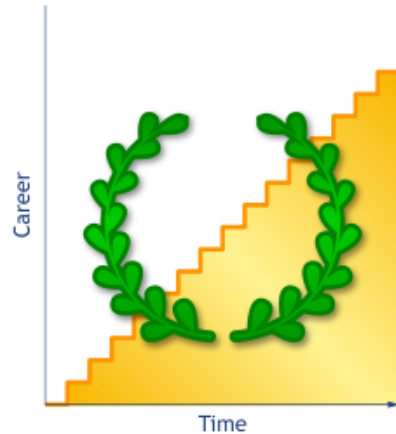
The h-index is defined as the maximum value of  $h$  such that the given author has published  $h$  papers that have each been cited at least  $h$  times.



# Indicator of author impact: h-index



Unfair comparisons



Favors  
researchers with  
longer careers



Favors  
researchers in  
publication- and  
citation-dense  
fields



Database dependent!

