

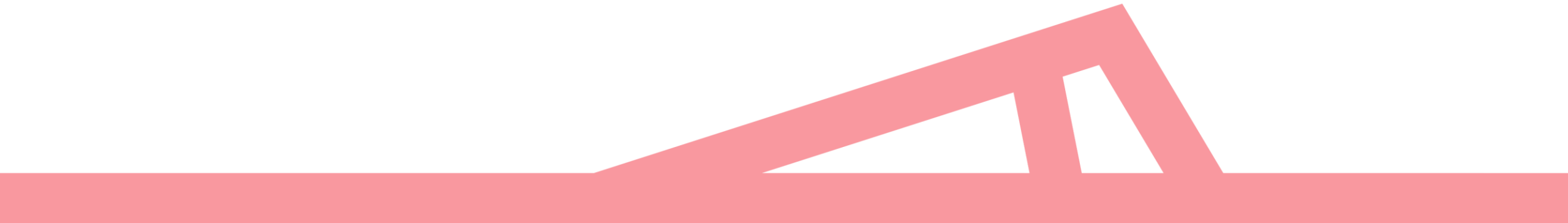


FEP

SCHOOL OF
ECONOMICS
AND MANAGEMENT
UNIVERSITY OF PORTO

SDI-LIBRARY TRAINING SESSION

09.2022 | REFERENCE DATABASES – WEB OF SCIENCE | SCOPUS



SCOPE OF THE TRAINING

This session aims to make a brief presentation of the reference/bibliometric databases (DB's) available in FEP's library - **WOS** and **SCOPUS**;

Demonstrate in practice the search and retrieval of information and its tools;

We intend to disseminate the resources and help users develop skills in the field of good use of information, namely, the ability to locate, search and retrieve reliable scientific and technical information.

REFERENCE DATABASES – WEB OF SCIENCE | SCOPUS



TOPICS

[HOW TO ACCESS THE REFERENCE DATABASES AT FEP](#)

[WHAT ARE REFERENCE DATABASES](#)

[SCOPE OF THE REFERENCE DATABASES](#)

[REFERENCE DATABASES AVAILABLE IN THE LIBRARY](#)

[THE IMPORTANCE OF USING RELIABLE INFORMATION](#)

[MAIN FEATURES OF REFERENCE DATABASES](#)

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[WEB OF SCIENCE](#)

[EXPLORE WEB OF SCIENCE](#)

[JOURNAL CITATION REPORT \(JCR\)](#)

[SCOPUS](#)

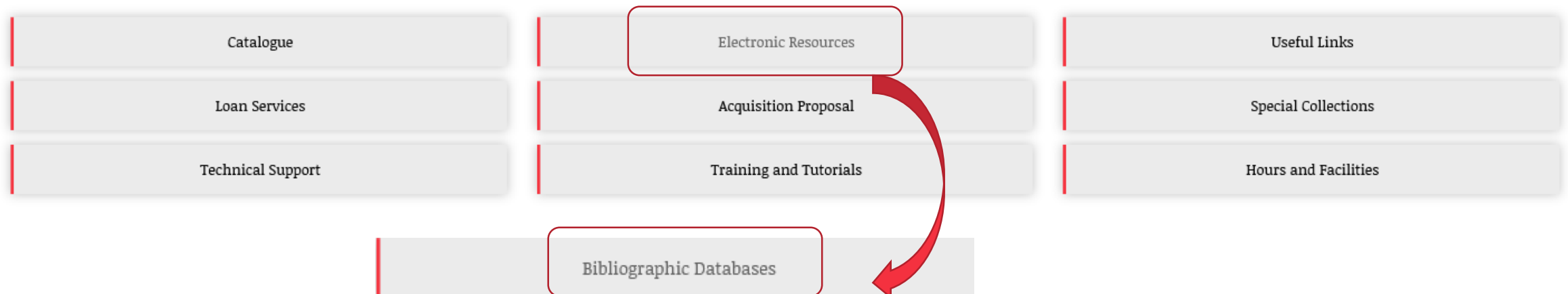
[EXPLORE SCOPUS](#)

[SEARCH STRATEGIES](#)

[TUTORIALS | SUPPORT](#)

HOW TO ACCESS THE REFERENCE DATABASES

- All the bibliographical databases available in the library are accessible in the FEP network, access from outside only through remote access, [VPN](#) connection;
 - To access the reference/bibliometric databases, you must enter the library page [library](#) page -» **Electronic Resources** -» [Bibliographic Databases](#) -» Reference Databases [Web of Science and SCOPUS]
- or
- [FEP](#) -» About FEP -» Organization -» Documentation and Information Service -» **Electronic Resources** -» Bibliographic Databases

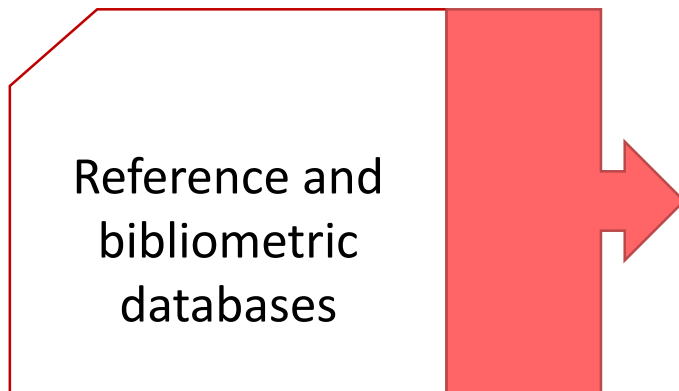


(Source: Faculty of Economics of the University of Porto)

WHAT ARE REFERENCE DATABASES

- They are sets of digital bibliographic records that describe and analyse scientific and academic journals, conference papers, reports, patents, e-books, etc. Access only to abstracts, except if they are subscribed by the library, U.Porto or in open access;
- The reference DB's cover all areas of knowledge, with structured and indexed bibliographic information in scientific journals from various international publishers, teaching institutions and public and private research units;
- They allow the realization of (simple and advanced) researches and are the adequate instruments to survey the state of the art for a certain research area;
- All WOS and SCOPUS scientific literature is peer reviewed;
- They have tools that allow to see the impact factor of scientific journals in their respective areas (JCR – [Journal Citation Report](#) and SJCR - [Scimago Journal & Country Rank](#));
- They provide reliable information and are updated daily (WOS) and weekly (SCOPUS).

SCOPE OF THE REFERENCE DATABASES



- They disseminate all edited knowledge in all areas of science;
- Permanent updating (daily/weekly);
- Early access to science;
- Access to bibliographical references, abstracts or full text when subscribed to by U.Porto, the library or open access;
- Basic and advanced search;
- Filtering and cross-referencing search results;
- Export records to reference managers [EndNote](#) online or Desktop (WOS) and [Mendeley](#) (SCOPUS) or other supports;
- Creation of researcher profiles;
- Account creation/authentication (automatically saves search history, creates and manages alerts)
- Access to citation networks.

THE IMPORTANCE OF USING RELIABLE INFORMATION

- Not all information available in Internet websites is reliable, so it is recommended the use of electronic resources available and authorized by FEP's or U.Porto's library:
- The table below presents some of the reasons for using reliable information and the risks in using information from internet websites.

INFORMATION	ELECTRONIC RESOURCES (LIBRARY)	INTERNET WEBSITES
Availability	Books, e-books, thesis, dissertations, full-text articles, electronic journals, abstracts, bibliographical references, citations, etc.	Information of diverse nature.
Objective	Disseminate scientific and scholarly research results from international publishers, research centres and peer-reviewed scientific literature	Multiple interests. They can be personal, institutional, collective, etc.
Validity of the information	Validated by experts in the field, editors, librarians, etc.	The author/producer is unknown.
Edition	Credible national and international publishers of recognised quality, national and international public organisations, universities, research centres, etc.	Any person, institution, collectivity or even unidentified.
Access	Through Databases acquired and paid for by higher education institutions, universities, libraries, state bodies, etc.	Free

REFERENCE DATABASES AVAILABLE IN THE LIBRARY



Web of Science (WOS) is a reference/bibliometric database, with access to millions of bibliographic records from scientific and academic journals, conferences, international publishers, repositories, etc., in all areas of science. It allows access to the full text, if it is part of the library's subscriptions, the U.Porto or open access.

Coverage from 1900 to the present day and integrated into the B-On.



Scopus is a database of abstracts and citations of peer-reviewed articles, books and proceedings, belongs to the Elsevier group and has a broad group of publishers (Elsevier, Springer, Science Direct, etc.). It allows access to the full text if it is part of the library, U.Porto or open access subscriptions.

It currently aggregates more than 21,000 titles, including 2,600 open access journals, more than 5.5 million event texts and more than 370 book series (Universidade do Porto & UPdigital, 2020).

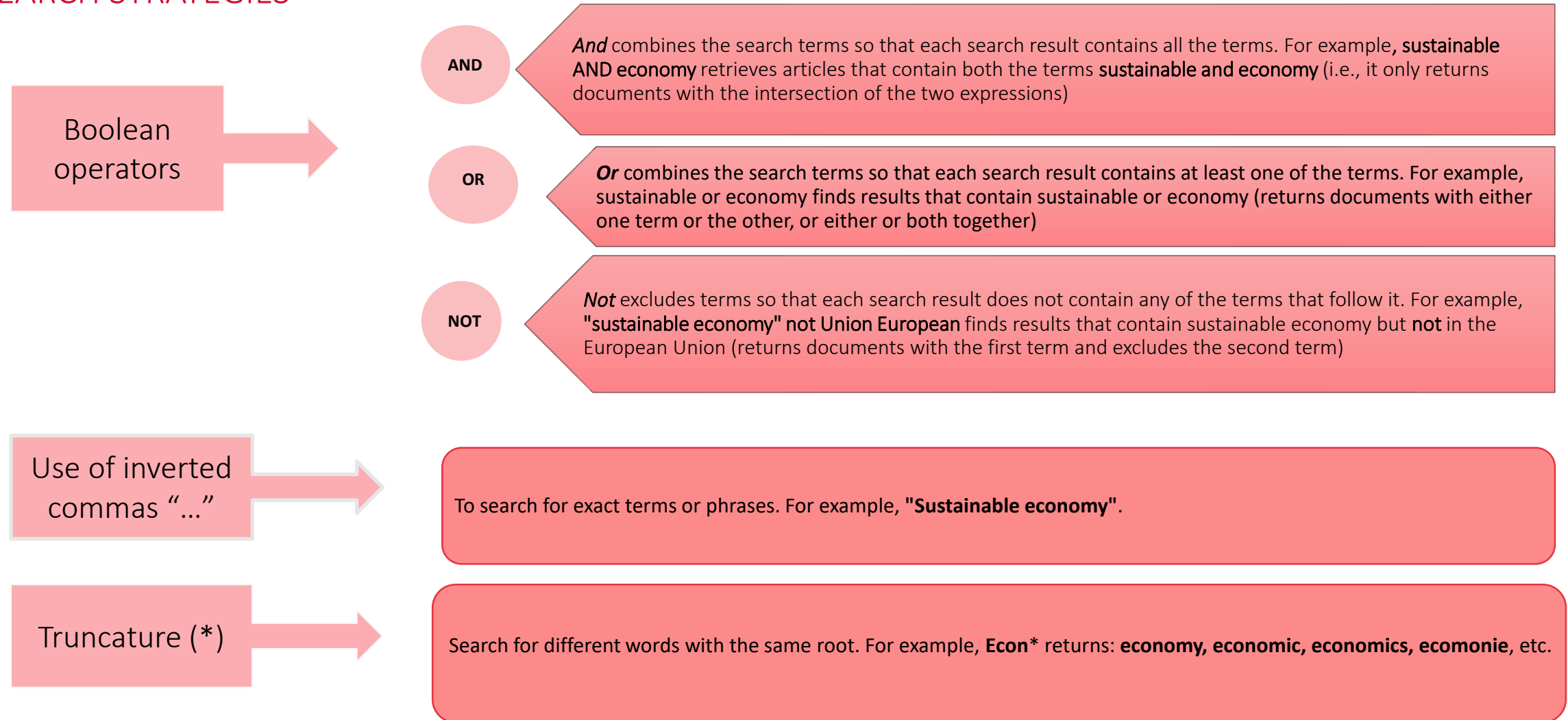
REFERENCE DATABASES – WEB OF SCIENCE | SCOPUS



MAIN FEATURES OF THE REFERENCE DATABASES

MAIN FEATURES	Web of Science	SCOPUS	OBSERVATIONS
Nature of the indexed contents	Multidisciplinary	Multidisciplinary	
Nº of indexed records	+ 70 million records	+ 77 million records, 16 million author, 70.000 affiliation	
Update	Daily	Weekly	
Coverage period	1900 to the present day	1823 to the present day	The WOS is integrated in the B-on (online knowledge library)
Types of documents	Articles, review articles, conference papers, editorial material, book chapters, early access, etc.	Articles, review articles, conference papers, editorial material, book chapters, early access, etc.	Access only to abstracts, except if they are contents subscribed by FEP library, U.Porto or in open access
Analysis of citations	Allows	Allows	Citation analysis is an evaluation method that applies to both authors and scientific articles. In other words, it corresponds to the number of times an article/author has been cited by others.
Create a personal account	Allows	Allows	Save search results and create alerts
Bibliographic Reference Managers	EndNote online and desktop	Mendley	It is possible to export to any bibliographic reference managers (RIS and other formats)

SEARCH STRATEGIES



❖ There are many more search strategies that can be explored, individually, in the reference databases!

REFERENCE DATABASES – WEB OF SCIENCE | SCOPUS

EXPORT TO REFERENCE MANAGERS



Export from **Web of Science (WOS)** to EndNote:
Search -» select -» export -» **EndNote desktop**

Export Records to EndNote Desktop

Record Options

☒ You have selected 2 results for export

☐ All records on page

☐ Records from: 1 to 1000

No more than 1000 records at a time

Record Content:

Author, Title, Source

Export Cancel

Export from **SCOPUS** to **EndNote**: search -» select
-» RIS export -» RIS format - EndNote

Export document settings

You have chosen to export 3 documents

Select your method of export

☒ MENDELEY ☐ ExLibris ☐ SciVal ☒ RIS Format ☐ CSV

What information do you want to export?

☒ Citation information ☐ Bibliographical Information

☒ Author(s) ☐ Affiliations

☒ Author(s) ID ☐ Serial identifiers (e.g. ISSN)

☒ Document title ☐ PubMed ID

☒ Year ☐ Publisher

☒ EID ☐ Editor(s)

☒ Source title ☐ Language of original document

☒ volume, issue, pages ☐ Correspondence address

☒ Citation count ☐ Abbreviated source title

☒ Source & document type

☒ Publication Stage

☒ DOI

☒ Open Access

SEARCH STRATEGIES

The way to search in the reference DBs is very common in the different platforms, with only slight distinctions at interface level, but all of them allow:

- ✓ Search by keyword(s) in all fields;
- ✓ Selective search by specific fields through advanced search and Boolean operators;
- ✓ Refine and cross-search using the filters available in the DBs;
- ✓ Export document abstracts and/or full text/pdf when available;
- ✓ Send/export result lists in various formats;
- ✓ Register/authentication to save search results and access exclusive resources;
- ✓ Create alerts, etc.

WEB OF SCIENCE

A Web of Science (WOS) is a platform consisting of a set of databases such as:

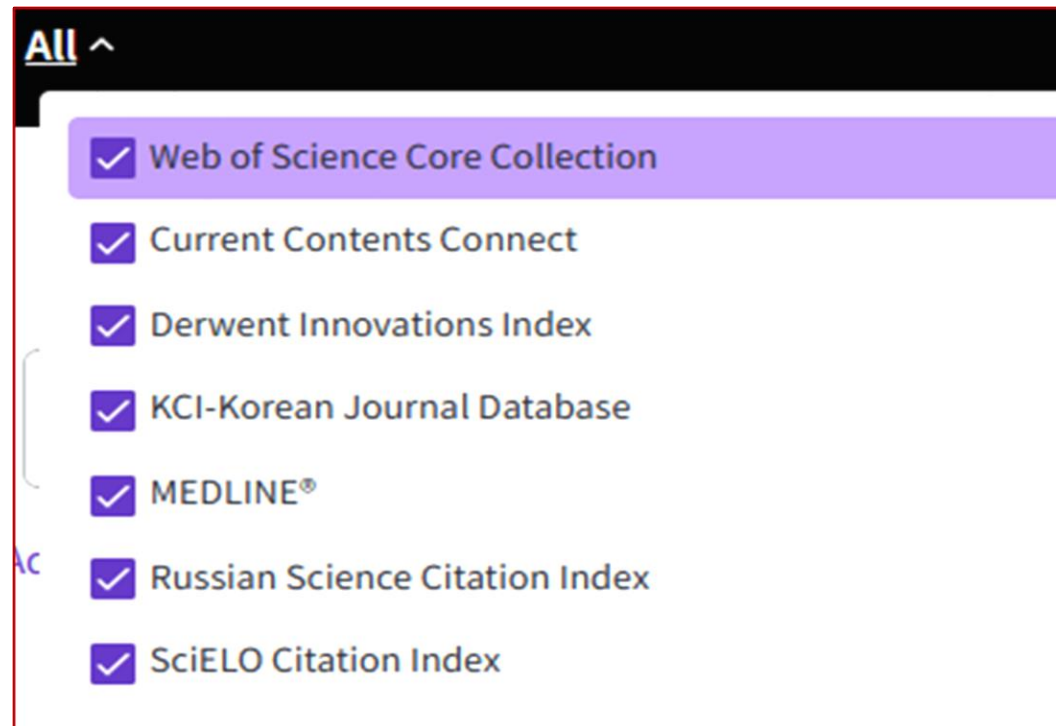
- Multidisciplinary Databases
 - Web of Science main collection
- Bibliometric Research Databases:
 - Master Journal List
 - Journal Citacion Report
 - Essencial Science Indicators
- Reference manager:
 - EndNote Web (**bibliographic reference manager**)
 - EndNote Click (**free pdf location plug-in**)
- Access to millions of bibliographic records from peer-reviewed and early access journals, books, conferences, international publishers and public and private institutional repositories in all areas of science;
- Browse a complete citation network;
- Coverage from 1900 to the present with daily updates;
- Application for smartphones – MYRA (Web of Science My Research Assistant App);
- With interface in nine languages, including Portuguese;
- Creation of Researcher Profiles

❖ It is mandatory to create an account in WOS, or make the authentication, to be able to use these tools.

(Clarivate™, 2022)

EXPLORE WEB OF SCIENCE - MAIN COLLECTION

- **Web of Science Core Collection** is a **multidisciplinary** bibliographic database because it includes indexes from several scientific areas:



Web of Science Core Collection (1900-present)

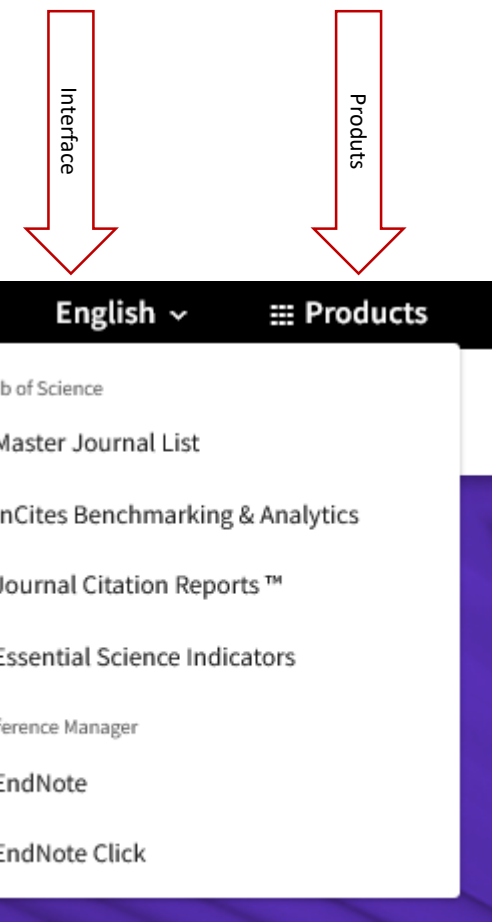
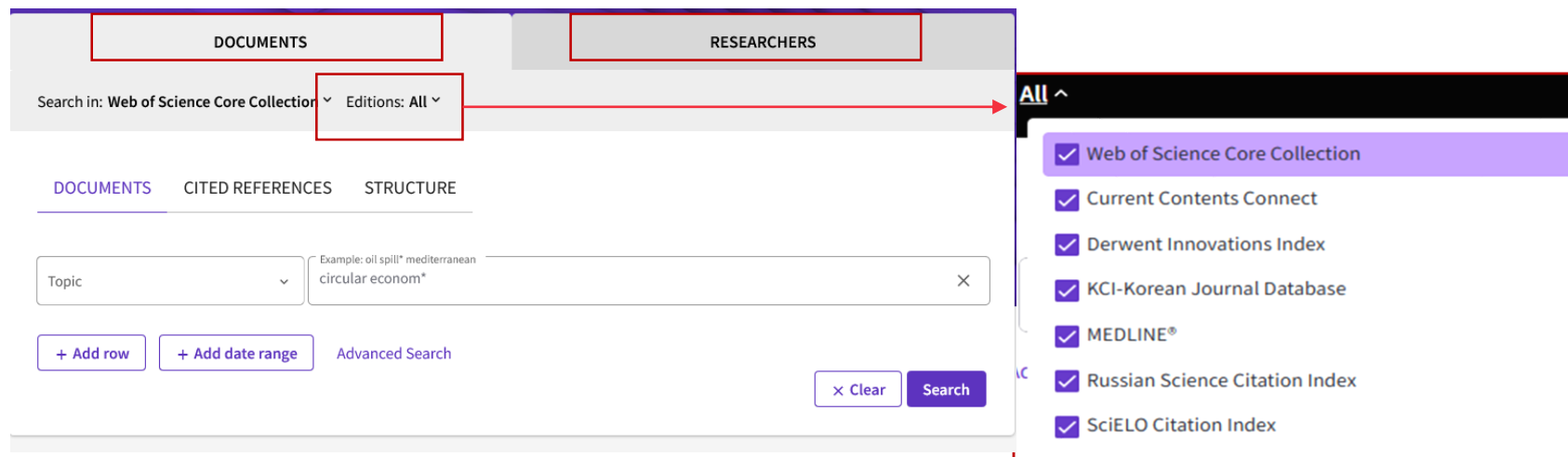
Web of Science platform

Streamline your research to accelerate breakthroughs



EXPLORE WEB OF SCIENCE

- The "**WOS Core Collection**" which is subscribed by the U.Porto;
- By selecting the "**WOS Core Collection**" you are searching the main scientific journals, with access to all indexes, in all areas of science and with peer review;
- In "**Documents**" is where you should search;
- "**Researchers**" to search for researcher profiles;
- You can change the search **interface** to Portuguese (9 languages available);
- Access to WOS **products**.



REFERENCE DATABASES – WEB OF SCIENCE | SCOPUS



EXPLORE WEB OF SCIENCE - SEARCH STRATEGIES

- WOS has a set of fields that, with description, help direct the search;
- By selecting "**Topic**" you are searching on title, abstract, author keywords and *Keywords Plus* (keywords assigned by Clarivate experts);
- The search term(s) must be in English (even if the articles are in other languages);
- If you want to search for documents by an exact term, e.g. enter "**sustainable economy**". It is recommended to use inverted commas (") if you want the terms to be found together and in the same sequence;
- Use the asterisk (*) to find terms with the same root but written differently. E.g. *econom** (find the words, *economic*, *economics*, *Economie*, *economy*, etc.);
- Use the various available filters, such as date range, Boolean operators (and, or, not) and others.

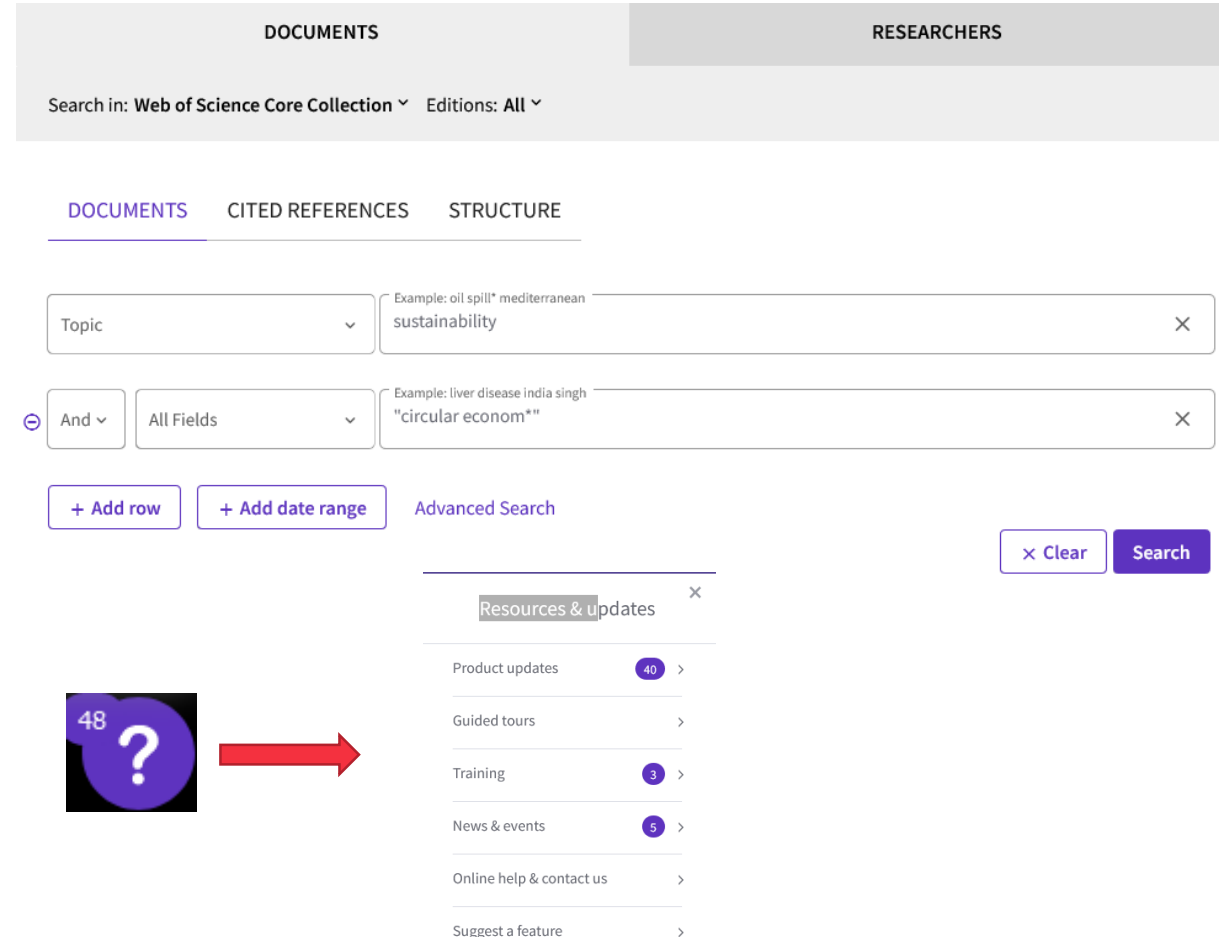
The screenshot displays the Web of Science search interface. At the top, a search bar contains the query 'sustainable economy*'. To the right, an example query 'oil spill* mediterranean sustainable economy*' is shown. Below the search bar, a dropdown menu lists various search fields: 'All Fields', 'Topic', 'Title', 'Author', 'Publication Titles', 'Year Published', 'Affiliation', 'Funding Agency', and 'Publisher'. The 'All Fields' option is currently selected. To the right of the dropdown, a description for 'All Fields' states: 'Searches all of the searchable fields using one query. This allows you to easily find your search terms in any field.' Below this, an example query is provided: '2014 drexel decay radioactiv*'. The main search results area shows the query 'sustainable economy* (Topic)' and a 'Copy query link' button. Below this, there are tabs for 'Publications' and 'You may also like...'. The 'Refine results' section includes a 'Search within results...' input field and a 'Filter by Marked List' dropdown. A 'Quick Filters' section shows 'Highly Cited Papers' with a count of 1,917. The search results list shows 0/120,844 results, with buttons for 'Add To Marked List' and 'Export'. The first result is 'Prospects for sustainable tourism in Lithuania: A national survey' by Grundey, D., Sarvutytė, M. and Skirmantaitė, J., published in 2008 in the journal 'TRANSFORMATIONS IN BUSINESS & ECONOMICS', volume 7, issue 1, pages 21-51. The abstract of the paper is partially visible.

EXPLORE WEB OF SCIENCE - USE OF TRUCATURES AND BOOLEAN OPERATORS

- Searching with the Boolean operator “AND”
Topic **sustainability** AND “**circular Econom***”;

- Find documents in the title, key words and abstract field, with the two terms entered:
"sustainability" and "Circular economy";

- In the purple question mark (?), find help to guide you through the WOS resources.



The screenshot displays the Web of Science search interface. At the top, there are tabs for 'DOCUMENTS' and 'RESEARCHERS'. Below these, a search bar is visible with the text 'Search in: Web of Science Core Collection' and 'Editions: All'. The main search area is divided into three sections: 'DOCUMENTS', 'CITED REFERENCES', and 'STRUCTURE'. The 'DOCUMENTS' section is active, showing a search query: 'Topic sustainability AND "circular Econom*"'. The query is entered in two rows, with the first row containing 'Topic' and 'sustainability', and the second row containing 'And', 'All Fields', and '"circular Econom*"'. Below the search bar, there are buttons for '+ Add row', '+ Add date range', and 'Advanced Search'. To the right of the search bar, there are buttons for 'Clear' and 'Search'. In the bottom left corner, there is a purple question mark icon with the number '48' next to it. A red arrow points from this icon to a help menu titled 'Resources & updates'. The help menu lists several options: 'Product updates' (40), 'Guided tours', 'Training' (3), 'News & events' (5), 'Online help & contact us', and 'Suggest a feature'.

REFERENCE DATABASES – WEB OF SCIENCE | SCOPUS



EXPLORE WEB OF SCIENCE

- The search used as an example resulted in a total of 4,779 references, ordered by **relevance** (highest frequency of the searched term(s) in the "TOPIC" fields) sustainable AND circular econom*

- A. Analyse results and/or create a citation report;
- B. Create or edit alerts;
- C. Sort by other available indexes;
- D. Refine results in the left side menu by the available filters, etc.

4,779 results from Web of Science Core Collection for:

Q sustainability (Topic) and "circular econom*" (All Fields)

Analyze Results Citation Report Create Alert

Copy query link

Publications You may also like...

Refine results (D)

Search within results...

Filter by Marked List

Quick Filters

- ☐ Highly Cited Papers 203
- ☐ Hot Papers 9
- ☐ Review Article 793
- ☐ Early Access 241
- ☐ Open Access 2,828
- ☐ Enriched Cited References 860

0/4,779 Add To Marked List Export

1 Enabling the Circular Economy Transition in Organizations: A Moderated Mediation Model

Bingovan, AL; Vatca, SD; (...); Ciobanu, G

Jan 2022 | INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH 19 (2)

Enriched Cited References

The notion of Corporate Environmental Responsibility has been extensively researched in the literature so far, but less is known about the readiness for change towards a circular economy business model. The fi

Services Free Full Text from Publisher View PDF with EndNote Click

2 Circular Economy strategies for concrete: implementation and integration

Sort by: Relevance (C)

1 of 96

Relevance

Recently added

New Citation class

Date: newest first

Date: oldest first

Citations: highest first

Citations: lowest first

Usage (all time): most first

Usage (last 180 days): most first

Conference title: A to Z

Conference title: Z to A

First author name: A to Z

First author name: Z to A

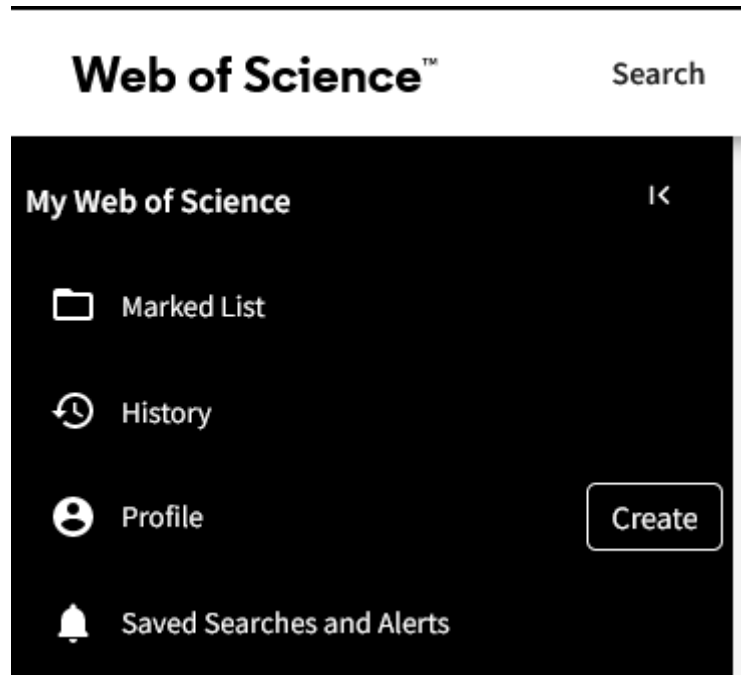
Publication title: A to Z

Publication title: Z to A

❖ Note that if you want to use the resources outside FEP you must be connected to the VPN

Source: Web of Science

EXPLORE WEB OF SCIENCE - CREATE AN ACCOUNT



- Create an account or log in if you are already registered to:
 - Create or access the profile
 - Access the search history;
 - Create or edit alerts;
 - Search researcher profiles;
 - Access EndNote online, etc

Sign In ▾

Register

English ▾

Products

Manuela Moreira ▾

My Profile

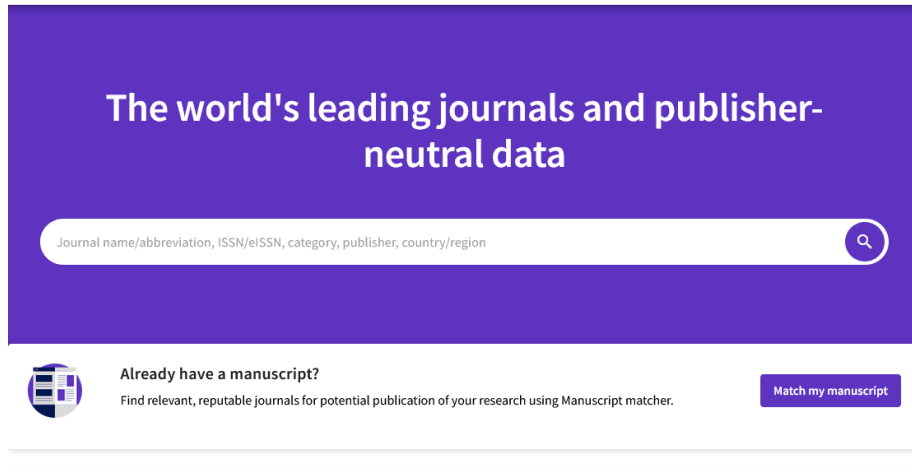
Settings

End session

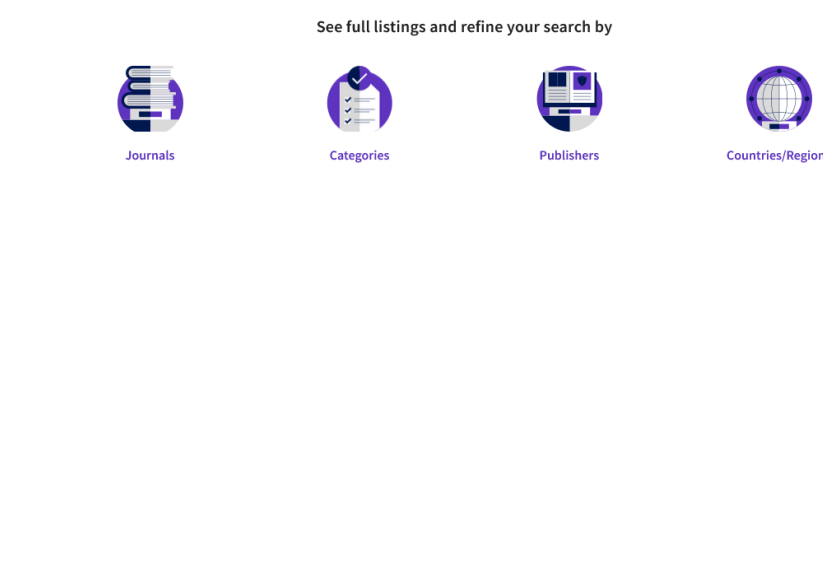
End session and log out

- ❖ Explore the WOS/Clarivate content on [LIBGuides](#)
- ❖ WOS provides a [training portal](#) in English and Portuguese [here](#).
- ❖ If in doubt, ask the [library](#) for help.

JOURNAL CITATION REPORT (JCR)



- The JCR is a WOS tool to evaluate scientific journals (rankings), which **allows measuring the impact and quality of scientific journals** in a given scientific area and in a given **period of time**;
- They use **bibliometric indicators** to quantify this impact.



It is possible to download data by:

- Journal/magazine titles or ISSN;
- By categories or areas of science;
- By publishers;
- And by countries or regions.

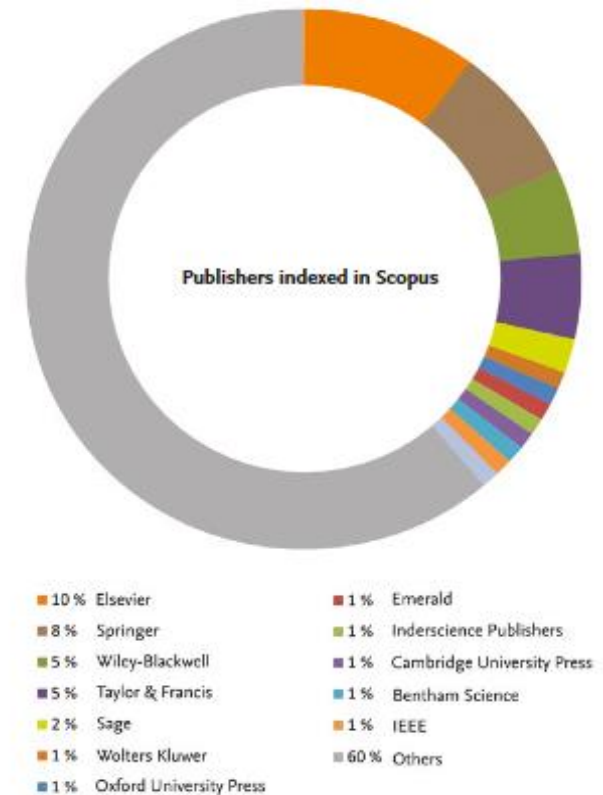
REFERENCE DATABASES – WEB OF SCIENCE | SCOPUS



SCOPUS

Scopus is one of the largest databases of bibliographic, abstract and peer-reviewed citation data (scientific articles, review articles, articles in press, books, book chapters, articles in conference proceedings, editorials, etc.).

- It is one of the world's most extensive research and of excellence in reviewing scientific literature of quality;
- It allows the indexing of scientific journals from the most important publishers worldwide;
- It belongs to the Elsevier group and aggregates many other databases and a wide range of publishers;
- It counts the citations of the articles;
- It allows the impact of the publications to be analysed;
- Access to the Mendley reference manager.



Fonte: Elsevier

❖ You can consult the contents of SCOPUS in English [here](#) and in Portuguese [here](#)!

(Elsevier, 2022)

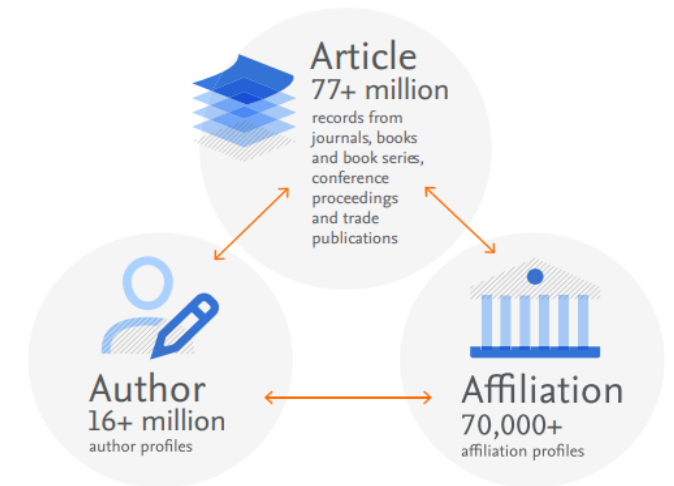
REFERENCE DATABASES – WEB OF SCIENCE | SCOPUS



EXPLORE SCOPUS

SCOPUS is a bibliographic database of scientific literature with peer-review, multidisciplinary, and although it does not provide the full text, it has mechanisms that allow access to the contents in text, if you are part of the Library or the U.Porto subscriptions.

- Counting of citations obtained by the articles, thus allowing the analysis of the impact of publication and the generation of reports.
 - Possibility to search in **documents, authors and affiliations**.
 - To search for articles select **Documents**:
 - Select the field to search (e.g. article title, keywords, journal title, abstract, etc.)
 - Application of filters to restrict the search, by document type, date range, author affiliation, etc., available in the left side menu.
- ❖ If you need help with advanced search in SCOPUS, see [here](#).
- ❖ Or access all the tutorials available from SCOPUS [here](#).



Source: Elsevier

(Elsevier, 2022)

- To see the tutorials (Portuguese and English) go to the SDI page -» Library -» Training and Tutorials -» [Tutorials](#);
- In case you need tailored (individual) training or technical support, please register in SIGARRA's [Trouble Tickets](#) module (SIGARRA system authentication required);
- Any questions, please send an email to biblioteca@fep.up.pt;
- Resources accessible outside FEP only with VPN connection. Questions or information about VPN, please contact SIFEP/sifep@fep.up.pt;
- All information available at: www.fep.up.pt/sdi;



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