

From the choice of
topic to publication:
information resources and
tools in scholarly
communication I.

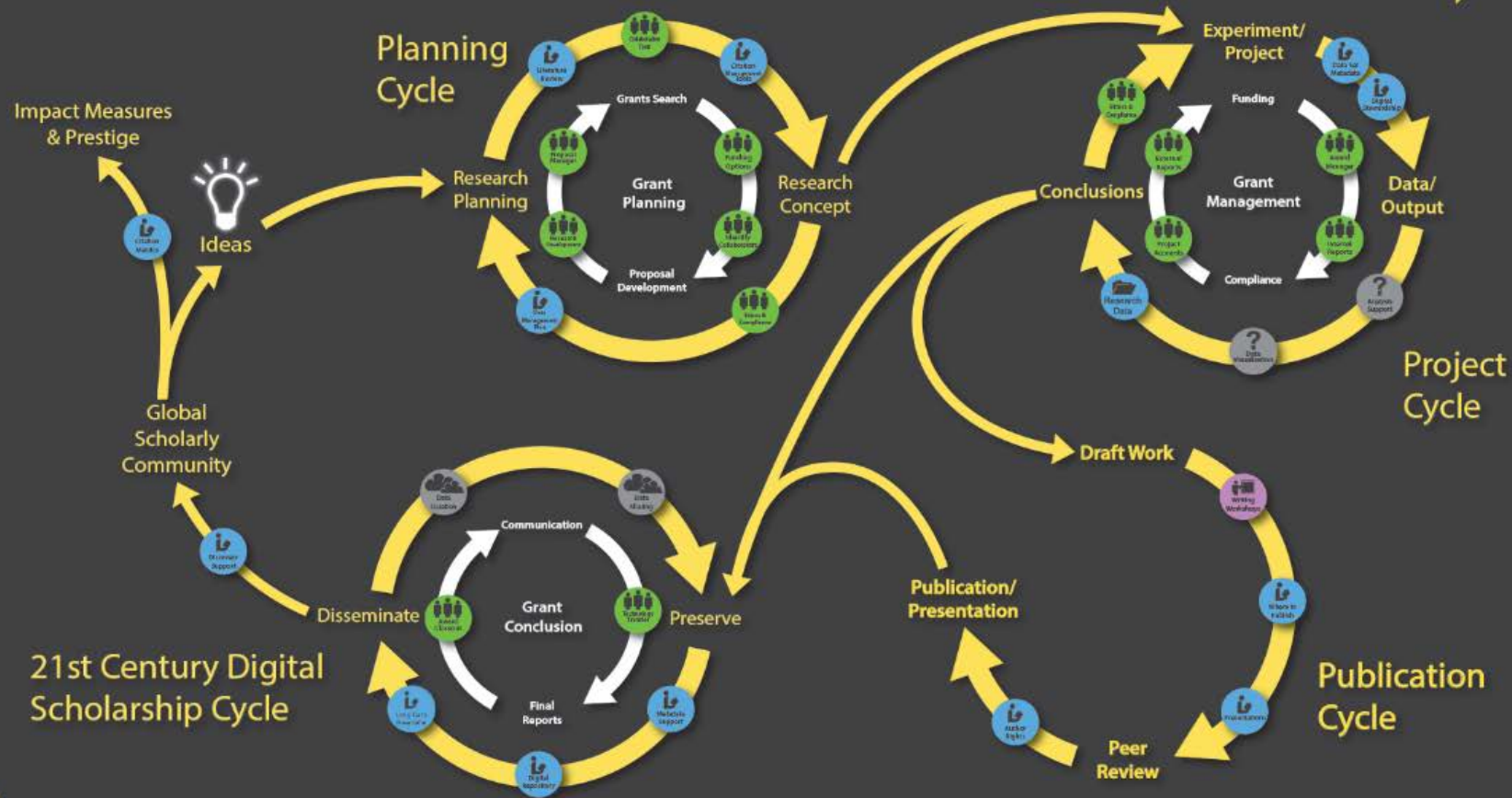
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Research Lifecycle



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Design Inspiration by OpenWetWare



Information



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Information

- the communication or reception of knowledge or intelligence
/Merriam-Webster/
- Data that is (1) accurate and timely, (2) specific and organized for a purpose, (3) presented within a context that gives it meaning and relevance, and (4) can lead to an increase in understanding and decrease in uncertainty.
/http://www.businessdictionary.com/definition/information.html/
- Facts provided or learned about something or someone



Type of sources

- **Physical appearance**
 - print
 - digital
 - audio-visual
 - multimedia
 - microform
 - personal communication



- **Nature and quality of content**

- **Primary.** A primary source is either a first-hand account of an event or generated by the event (such as data from an experiment). Primary sources are used as evidence. In scholarly communication primary sources are the first to communicate new scientific results (patents, research reports, dissertations, conference papers, etc.).
- **Secondary.** A secondary source is a second-hand account; it is the researcher-author's original thinking based on primary sources. Secondary sources interpret concepts. They are used to inform and substantiate a researcher's interpretation of the evidence.
- **Tertiary.** A tertiary source is third-hand, based on secondary sources. Tertiary sources are used to provide background information and are usually not cited in research because they are based on other scholars' interpretations and are not original (reference books, text books).



- **Target groups**

- ***Popular***: written to inform or entertain wider audiences
- ***Scholarly***: written by scholars for other scholars, comprised of detailed, advanced, sophisticated information about a topic, based on extensive research,
- ***Business***: the mixture of the above categories to provide market and business information



- **Frequency of publication**

- published once (books, monographs)
- published regularly (journals, periodicals, newspapers)



Openness

- published
- not published (grey literature: thesis, dissertation; patent technical reports from government agencies or scientific research groups, working papers from research groups or committees etc.)



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Document Types

- Books (author, title, publisher, place of publication, ISBN)
- Periodicals (Title, Volume, Issue, Year, ISSN)
- Journal Articles (article title; author/s; volume; issue; publication year; source(journal) title; DOI)



Types of Scientific Articles

- **Primary research articles**
 - Known as **original articles** too. **It provides new information based on original research.** Most often published in *peer reviewed* journals, primary research articles report on the findings of a scientist's work. They will almost always include a description of how the research was done and what the results mean.



- **Case Reports**

- Case reports describe an unusual disease presentation, a new treatment, an unexpected drug interaction, a new diagnostic method, or a difficult diagnosis that may be followed by evaluative studies that eventually lead to a diagnosis.



- **Review articles**

- These can be easily confused with primary research articles. A review is also published in peer reviewed journals, but seek to synthesize and summarize the work of a particular sub-field, does not introduce new information and does not include the author's opinion or personal experience. It serves to highlight important points that have been previously reported in the literature. (e.g. reviews of the current literature).



- **Perspectives**

- Perspectives provide a personal view about a particular issue in a clear narrative voice. These articles can be well researched and include a lot of citations to the peer reviewed literature, or simple items without citations. They can appear in peer reviewed journals, in trade publications, or in popular publications.



- **Analyses**

- Analyses provide an in-depth prospective and informed analysis of a policy, major advance, or historical description of a topic related to biology or medicine.



- **Clinical Trial**

- Work that is the report of a pre-planned clinical study of the safety, efficacy, or optimum dosage schedule of one or more diagnostic, therapeutic, or prophylactic drugs, devices, or techniques in humans selected according to predetermined criteria of eligibility and observed for predefined evidence of favorable and unfavorable effects.



- **Comment**

- This is a short article that describes an author's personal experience of a specific topic. This work consisting of a critical or explanatory note written to discuss, support, or dispute an article or other presentation previously published. It may take the form of an article, letter, editorial, etc. It appears in publications under a variety of names: comment, commentary, editorial comment, viewpoint, etc.



Database

- A **database** is an organized collection of data, generally stored and accessed electronically from a computer system. /Wikipedia/
- A database is a collection of information that is organized so that it can be easily accessed, managed and updated.
/https://searchsqlserver.techtarget.com/definition/database/
- **Database**, also called **electronic database**, any collection of data, or information, that is specially organized for rapid search and retrieval by a computer. /Britannica/



- Databases store only specific types and amounts of information.
- Based on the nature, content, and other characteristics of the information stored in them, we distinguish between several different types:
 - bibliographic,
 - full text
 - image collections
 - audio / video collections
- What kind of database we use is primarily about what kind of information we need. The "help" of the database provides detailed information on the nature of the information stored in the database (and the areas of use).



How to Choose the Right Database

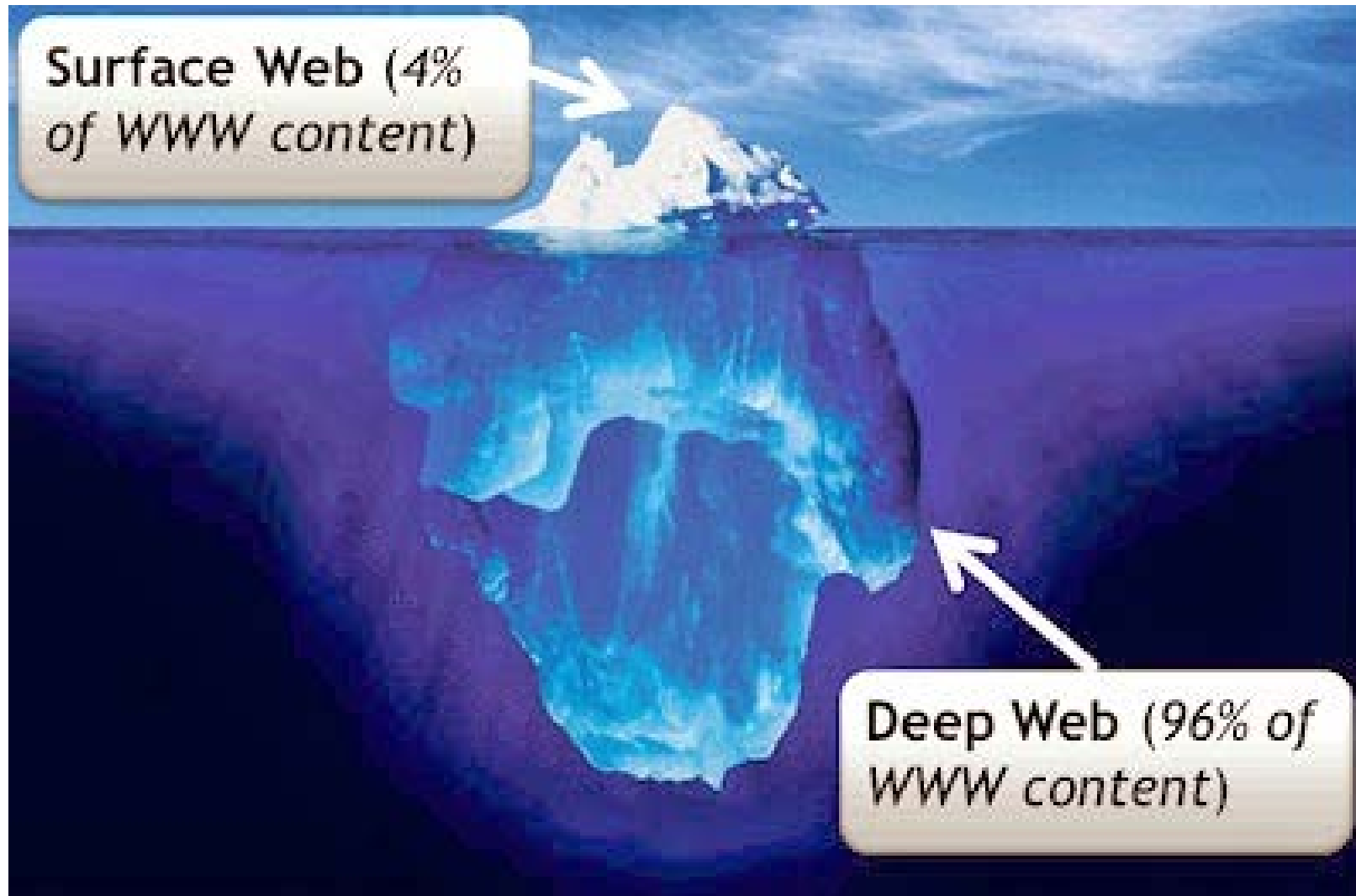
- What type of source does it contain?
 - Scientific journals, magazines, books, book chapters, multimedia etc.
- What period does it cover?
- Which disciplines does it cover?
- What is the language of the database?
- What source of information does it contain?
- What source of data does the records cover?



Google vs. Catalogs

- Deep web: is part of www that cannot be accessed by the usual search engines. private place; 500 times larger
- Visible web: is a part of the www that can be accessed by using search engines and databases. public place /public web; surface web same expressions/





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Keyword and Subject searching

Advantages

Keyword searching

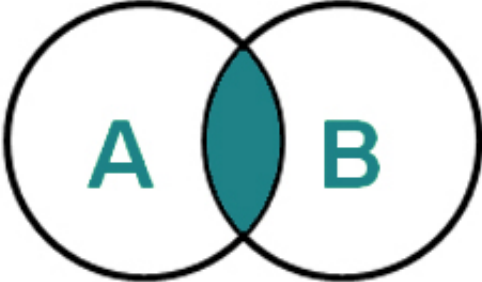
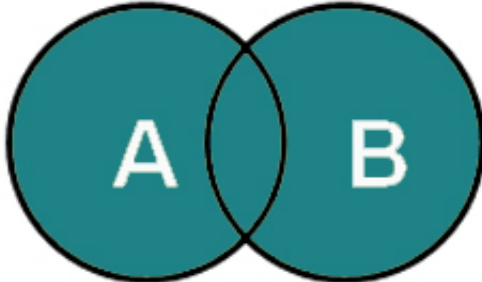
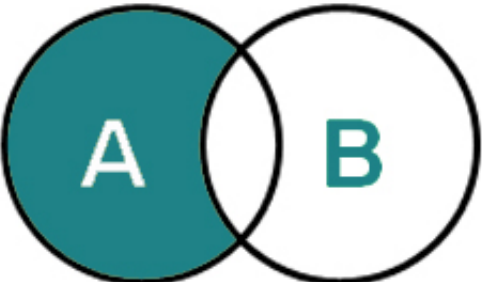
- May be used to find information on current subjects, trends
- May use synonyms
- May combine terms (using AND, OR, or NOT)
- May be used to find subject headings

Subject searching

- Hits usually relevant
- May provide suggestions for narrower, broader, or related terms
- Will return all items in the database indexed with the subject term used in the search



Boolean operators

 <p>A AND B</p>	<p>Retrieves all records having concept A and concept B in the same record.</p> <p>Using AND, the number of hits retrieved decreases.</p>
 <p>A OR B</p>	<p>Retrieves records containing either concept A or concept B.</p> <p>Used usually to connect synonyms or related terms.</p> <p>Using OR, the number of hits retrieved increases.</p>
 <p>A NOT B</p>	<p>Retrieves records containing concept A but not concept B.</p> <p>Use with caution as it might eliminate some relevant records.</p>



Where are the relevant databases

- <https://lib.unideb.hu/en>

The screenshot shows the homepage of the University of Debrecen Library. At the top, there is a dark green navigation bar with links for 'UD', 'DEBRECEN UNIVERSITY PRESS', and 'LOGIN'. Below this is the university's crest and the text 'UNIVERSITY OF DEBRECEN UNIVERSITY AND NATIONAL LIBRARY'. To the right, there is a search bar labeled 'Library search' and a language selector with 'magyar' and 'english' options. A secondary navigation bar contains links for 'USING THE LIBRARY', 'LIBRARIES AND COLLECTIONS', 'RESEARCH AND PUBLICATION', and 'LEARNING AND TEACHING'. The main content area features a large banner with social media icons for Facebook, Twitter, Instagram, and YouTube, along with the handle '@deenklibrary' and an illustration of a person using a smartphone. At the bottom, another dark green navigation bar includes links for 'OPENING HOURS', 'STACK REQUESTS', 'ONLINE REGISTRATION', and 'ABOUT'. The word 'News' is visible at the bottom of the page.



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RESEARCH AND PUBLICATION

WHERE TO FIND?

- Articles
Books and e-books
Periodicals, Electronic- Periodicals
Research Data
Theses and dissertations

RESEARCH TOOLS

- Catalogues
National Document Supply System
UDiscover
University of Debrecen Electronic Archive (DEA)

DATABASES

DIRECT ACCESS

- Impakt Faktor
PubMed
UDiscover
Web of Science
iDEa Academic Profiles

RESEARCH AND PUBLICATION

- Finding Resources
Open Access Content
Open Access Publication
Open Access Support
Plagiarism Detection Softwares
Reference Manager Softwares
Where and How to publish?

VISIBILITY, EVALUATION, PRESERVATION

- MTMT Registration
Scientometric Indicators
Thesis Submission
Upload your Publications to DEA

INTERNATIONAL IDENTIFIERS

- DOI Requests
Handle System
ISBN and ISSN Request

News



Browser address bar: <https://lib.unideb.hu/en/databases>

Navigation: UD DEBRECEN UNIVERSITY PRESS LOGIN

Menu: STS ONLINE REGISTRATION ABOUT

Search: Library search

Language: magyar english

Navigation: PUBLICATION LEARNING AND TEACHING

Section: USING THE LIBRARY

HOME **Databases**

Databas

Choose a subject: -

subscribed free

- Academic Search Ultimate
- ACM Digital Library
- AKjournals
- Alexander Street Veterinary Education Online
- Arcanum Digitheca (ADT)+
- Arts & Humanities (Proquest)
- Bibliotheca Corviniana Digitalis

Database trials

SAGE journals

Sage journals
 start of trial: 2019-03-07 00:00
 end of trial: 2019-04-05 23:59



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Databases

- Due to COVID-19 diseases, many publishing and database companies provide free access to their subscription content, which is constantly updated and made available under the Databases tab with a “trial access” note.







Szakadatbázisok:


 Biological Abstracts 2000-2004   

 Biomedical & Life Sciences Collection   

 BMJ Journals 

 Cell Press Journals (trial access) 

 Cochrane   

 De Gruyter Journals 

 Gideon (trial access) 

 Karger articles (trial access) 

 Lippincott Medicine Ebook Collection  

 Lippincott Medicine Journal Collection  

 MEDLINE (EBSCOhost)  

 MEDLINE (PubMed)   



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Scopus

Scopus is the largest abstract and citation database of peer-reviewed literature: scientific journals, books and conference proceedings.



Scopus

[Search](#) [Sources](#) [Lists](#) [SciVal](#)



[Create account](#)

[Sign in](#)

Document search

[Compare sources](#)

Documents Authors Affiliations [Advanced](#)

[Search tips](#)

Search

Article title, Abstract, Keywords



E.g., "Cognitive architectures" AND robots

[Limit](#)

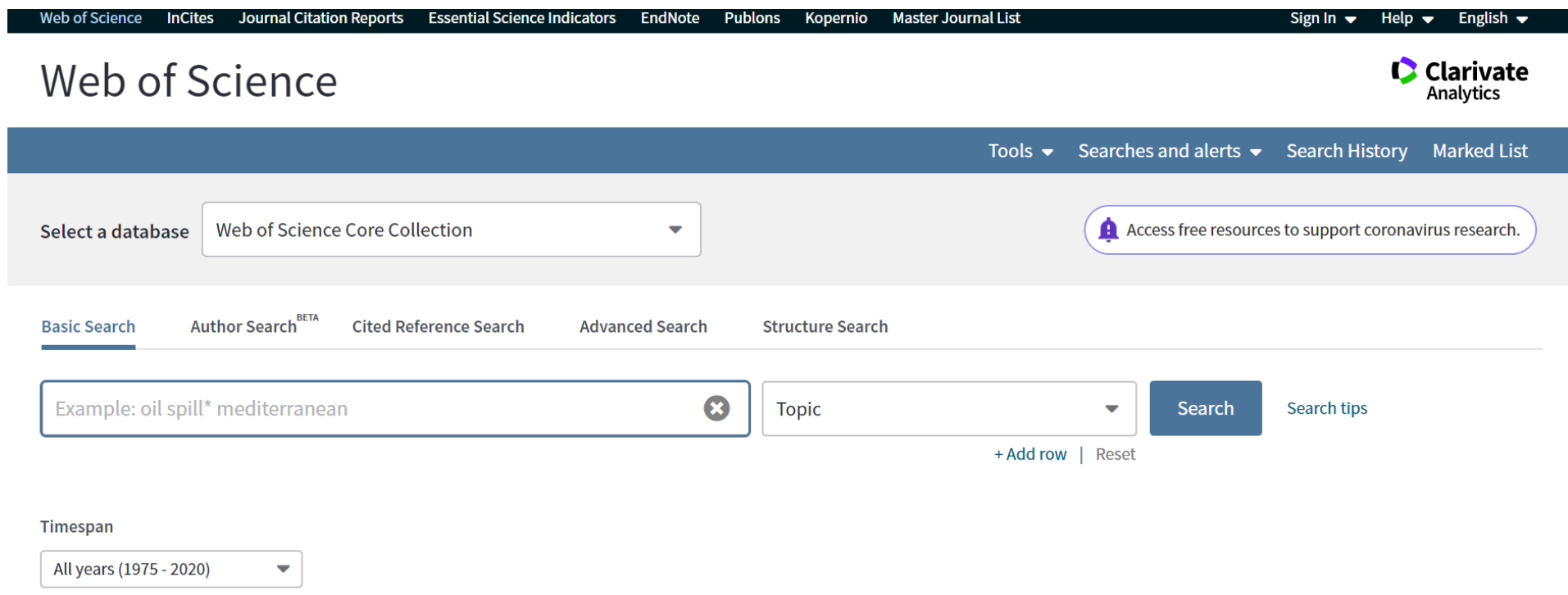
[Reset form](#)

[Search](#)



Web of Science

Web of Science (WoS) is the bibliographic data base of ISI (Institute for Scientific Information). Web of Science provides seamless access to current and retrospective multidisciplinary information from more than 12000 of the most prestigious, high impact research journals in the world.



The screenshot shows the Web of Science website interface. At the top, there is a navigation bar with links for 'Web of Science', 'InCites', 'Journal Citation Reports', 'Essential Science Indicators', 'EndNote', 'Publons', 'Kopernio', and 'Master Journal List'. On the right side of this bar are 'Sign In', 'Help', and 'English' options. Below the navigation bar, the 'Web of Science' logo is displayed on the left, and the 'Clarivate Analytics' logo is on the right. A secondary navigation bar contains 'Tools', 'Searches and alerts', 'Search History', and 'Marked List'. The main content area features a 'Select a database' dropdown menu currently set to 'Web of Science Core Collection'. To the right of this menu is a notification bubble that says 'Access free resources to support coronavirus research.' Below the database selection, there are tabs for 'Basic Search', 'Author Search^{BETA}', 'Cited Reference Search', 'Advanced Search', and 'Structure Search'. The 'Basic Search' tab is active. The search input field contains the text 'Example: oil spill* mediterranean'. To the right of the input field is a 'Topic' dropdown menu, a 'Search' button, and a 'Search tips' link. Below the search input, there are '+ Add row' and 'Reset' options. At the bottom left, there is a 'Timespan' dropdown menu set to 'All years (1975 - 2020)'.



PubMed

PubMed comprises more than 29 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites.

ncbi.nlm.nih.gov/pubmed?holding=ihudeblib

NCBI Resources How To Sign in to NCBI

PubMed.gov US National Library of Medicine National Institutes of Health

Search

Advanced Help

COVID-19 is an emerging, rapidly evolving situation.
Get the latest public health information from CDC: <https://www.coronavirus.gov>.
Get the latest research from NIH: <https://www.nih.gov/coronavirus>.

Click here to try the **New PubMed!**
An updated version of PubMed is now available.
Come see the new improvements to the interface!

PubMed
PubMed comprises more than 30 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites.

Using PubMed
[PubMed Quick Start Guide](#)
[Full Text Articles](#)

PubMed Tools
[PubMed Mobile](#)
[Single Citation Matcher](#)

More Resources
[MeSH Database](#)
[Journals in NCBI Databases](#)

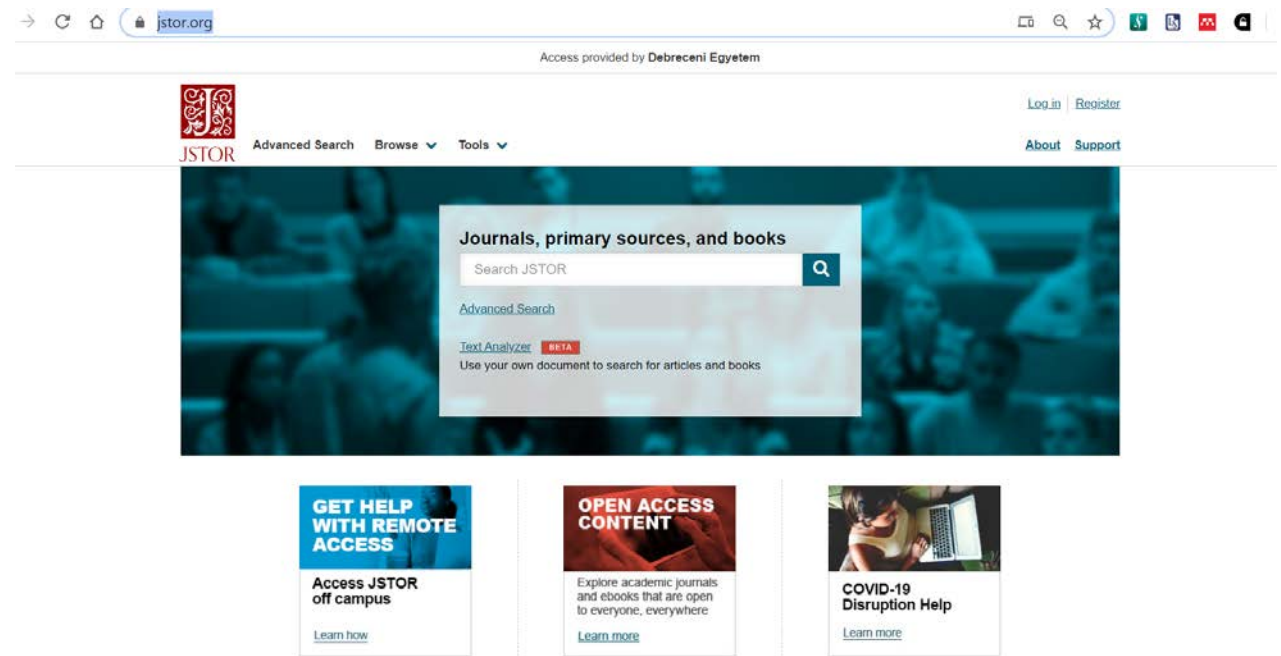


To be able to access the subscribed content of the university always open PubMed from the Database menu. This is how authentication is provided

JSTOR

JSTOR is a digital library founded in 1995. Originally containing digitized back issues of academic journals, it now also includes books and primary sources, and current issues of journals.

It provides full-text searches of almost 2,000 journals. As of 2013, more than 8,000 institutions in more than 160 countries had access to JSTOR. Most access is by subscription, but some of the site's public domain content is available at no cost to anyone.



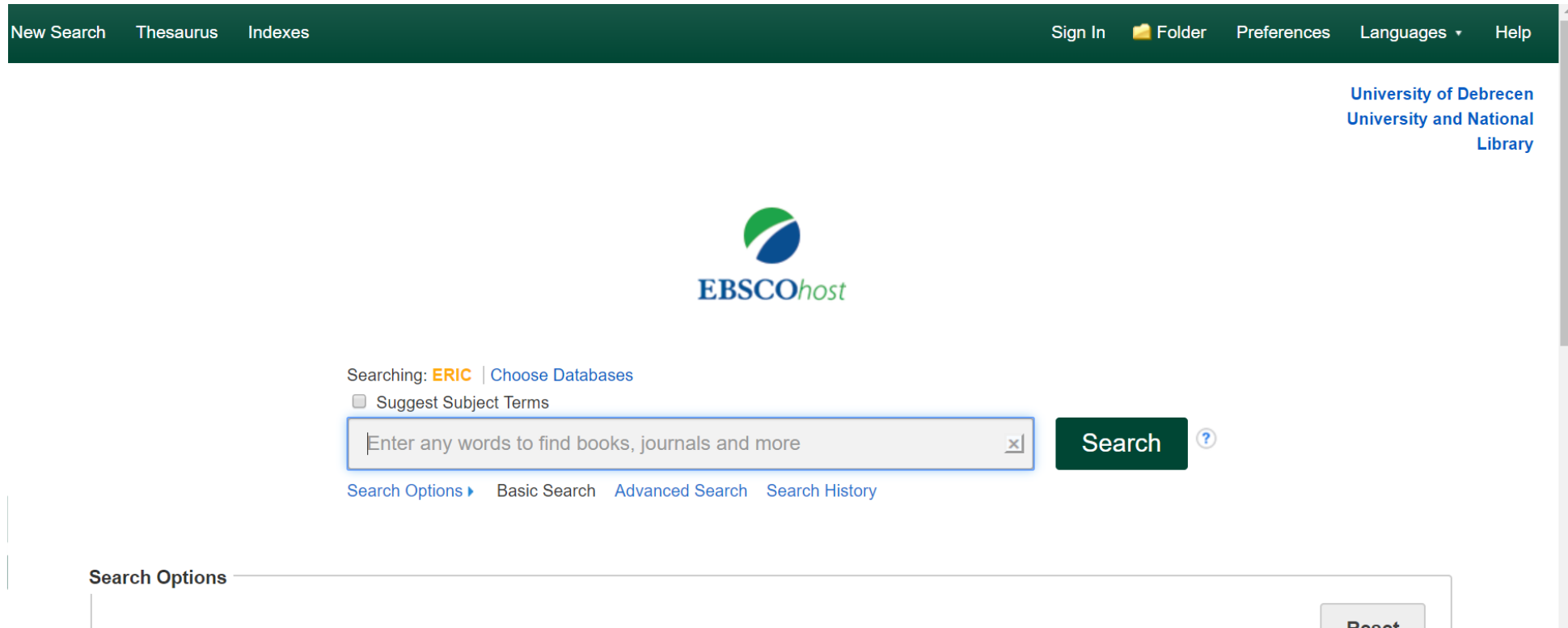
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ERIC

ERIC, the Education Resource Information Center, provides access to education literature and research.

The database provides access to information from journals included in the Current Index of Journals in Education and Resources in Education Index.

Content includes journal articles, research reports, curriculum and teaching guides, conference papers, dissertations and theses, and books dating back to 1966.



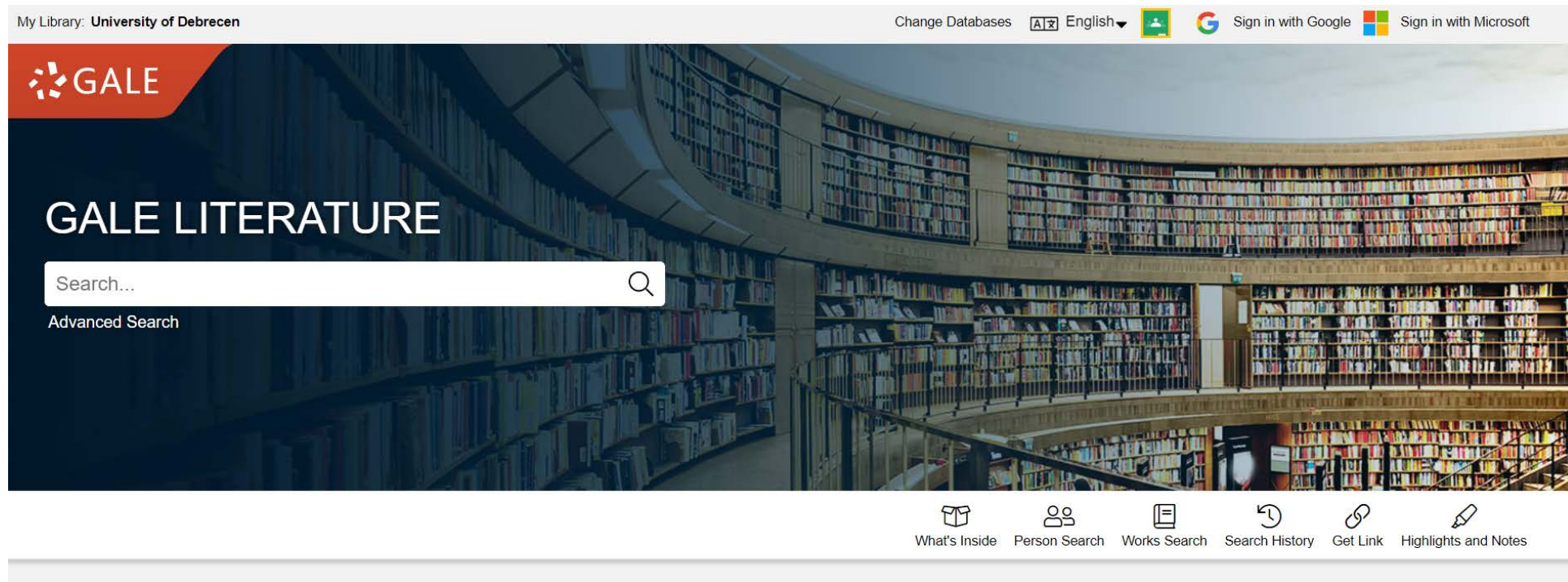
The screenshot shows the ERIC website interface. At the top, there is a dark green navigation bar with links for "New Search", "Thesaurus", "Indexes", "Sign In", "Folder", "Preferences", "Languages", and "Help". Below this, on the right side, is the text "University of Debrecen University and National Library". In the center, the EBSCOhost logo is displayed. Below the logo, there is a search bar with the text "Searching: ERIC | Choose Databases" and a checkbox for "Suggest Subject Terms". The search bar contains the placeholder text "Enter any words to find books, journals and more" and a "Search" button. Below the search bar, there are links for "Search Options", "Basic Search", "Advanced Search", and "Search History". At the bottom left, there is a "Search Options" section with a "Reset" button.



GALE

Gale Literary Sources brings together Gale's premier literary databases into a single digital environment that allows researchers to search across a library's resources to discover and analyse content in entirely new ways.

No other publisher offers this combination of uniquely rich literary content, dependable metadata, and intuitive subject indexing – all enriched by features and design that breathe new life into the study of literature.



The screenshot shows the Gale Literary Sources website interface. At the top left, it says "My Library: University of Debrecen". On the right, there are options to "Change Databases", "English" (with a dropdown arrow), and "Sign in with Google" and "Sign in with Microsoft" buttons. The main header features the Gale logo (a stylized starburst) and the text "GALE LITERATURE". Below this is a search bar with the placeholder text "Search..." and a magnifying glass icon. Underneath the search bar, it says "Advanced Search". The background of the main content area is a photograph of a large, curved library reading room with multiple levels of bookshelves. At the bottom of the page, there is a navigation bar with icons and labels for "What's Inside", "Person Search", "Works Search", "Search History", "Get Link", and "Highlights and Notes".



Legal Source

Legal Source is an excellent resource for attorneys, educators, business people, law librarians, and others involved with the law.

Providing full-text coverage of the world's most respected scholarly law journals, Legal Source is the authoritative source for information on current issues, studies and trends in the legal world.

The collection includes over 1,200 full-text journals and over 2.5 million records, including book reviews and case citations. Legal Source offers information centered on the discipline of law and legal topics such as criminal justice, international law, federal law, organized crime, medical law, labor & human resource law, ethics, the environment.

[New Search](#) [Publications](#) [Thesaurus](#) [Cited References](#) [More ▾](#)

[Sign In](#) [Folder](#) [Preferences](#) [Languages ▾](#) [Help](#)

[University of Debrecen](#)
[University and National](#)
[Library](#)



Searching: [Legal Source](#) | [Choose Databases](#)

[Search](#) [?](#)

[Search Options ▶](#) [Basic Search](#) [Advanced Search](#) [Search History](#)

Search Options

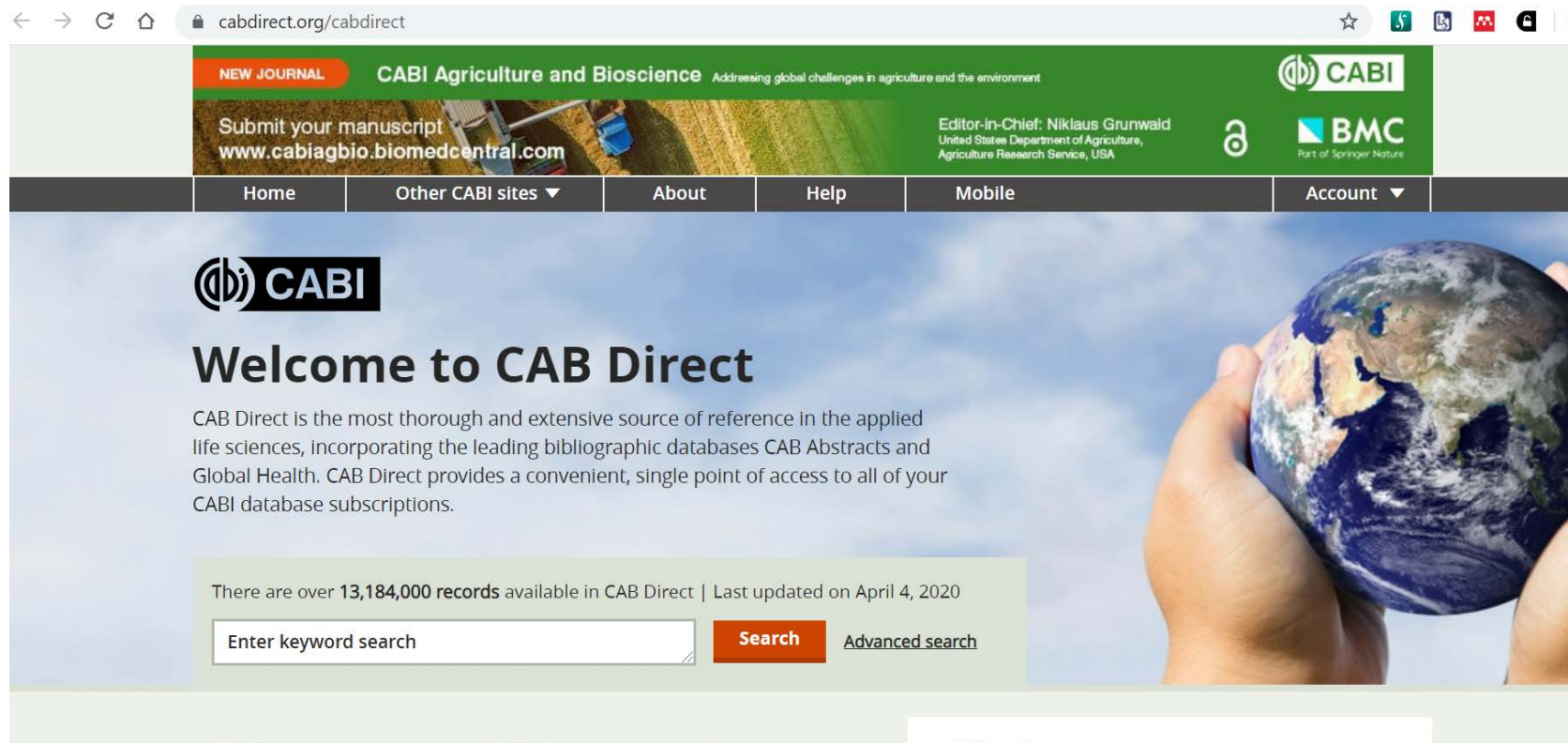
[Reset](#)



CAB Abstracts

CAB Abstracts: the most comprehensive database of its kind, CAB Abstracts gives researchers instant access to over 9.1 million records* from 1973 onwards, with almost 350,000 records added last year.

Its coverage of the applied life sciences includes agriculture, environment, leisure/tourism, veterinary sciences, applied economics, food science and nutrition. CAB Abstracts is the leading English-language bibliographic information service providing access to the world's applied life sciences literature.



The screenshot shows the CAB Direct website homepage. At the top, there is a navigation bar with the URL cabdirect.org/cabdirect. Below this is a green banner for the "NEW JOURNAL CABI Agriculture and Bioscience" with the tagline "Addressing global challenges in agriculture and the environment". The banner also includes the CABI logo, the BMC logo (Part of Springer Nature), and the text "Submit your manuscript www.cabiagbio.biomedcentral.com" and "Editor-in-Chief: Niklaus Grunwald, United States Department of Agriculture, Agriculture Research Service, USA".

Below the banner is a dark navigation menu with the following items: Home, Other CABI sites (with a dropdown arrow), About, Help, Mobile, and Account (with a dropdown arrow).

The main content area features the CABI logo and the heading "Welcome to CAB Direct". Below this is a paragraph: "CAB Direct is the most thorough and extensive source of reference in the applied life sciences, incorporating the leading bibliographic databases CAB Abstracts and Global Health. CAB Direct provides a convenient, single point of access to all of your CABI database subscriptions."

Below the paragraph is a light green box containing the text: "There are over 13,184,000 records available in CAB Direct | Last updated on April 4, 2020". Below this text is a search bar with the placeholder text "Enter keyword search", a red "Search" button, and a link for "Advanced search".

The background of the main content area is a photograph of a hand holding a small globe of the Earth against a blue sky with clouds.



Business Source Premier

Business Source Premier is the industry's most used business research database, providing full text for more than 2,300 journals, including full text for more than 1,100 peer-reviewed titles.

This database provides full text back to 1886, and searchable cited references back to 1998. Business Source Premier is superior to the competition in full text coverage in all disciplines of business, including marketing, management, MIS, POM, accounting, finance and economics. This database is updated daily on EBSCOhost.

[New Search](#) [Publications](#) [Company Profiles](#) [Thesaurus](#) [More ▾](#) [Sign In](#) [Folder](#) [Preferences](#) [Languages ▾](#) [Help](#)

[University of Debrecen](#)
[University and National](#)
[Library](#)



Searching: **Business Source Premier** | [Choose Databases](#)

Suggest Subject Terms

[Search Options ▾](#) [Basic Search](#) [Advanced Search](#) [Search History](#)



Search Options

Search Modes and Expanders

Reference Manager Softwares

- Reference Manager softwares can build up libraries to help you handle your data (store, organize, sort, format bibliography).
- Your library is always available in the cloud. You can sort, retrieve, and share documents by private preferences and insert attachments.
- These softwares contain several referencing styles that can be easily accessed through word processors. The style of referencing can be changed anytime, and the related bibliography can be generated automatically.



Reference Manager Softwares

- Refworks (online, subscription-based)
- EndNote (online, subscription-based)
- EndNote (unique license required)
- Mendeley (free online software)
- Zotero (free online software)



Thank you for your attention!

jparagh@lib.unideb.hu
publikaciok@lib.unideb.hu