

A presentation for PhD students

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Ilaria Rovoletto, Susana Valpreda
Polo Bibliotecario di Ingegneria
info biblio.inge@unipd.it



Workshop slides are available here:

biblioingegneriagestionale.cab.unipd.it/bibliocentrale/usa/laboratori/materiali/materiali



Bibliographic research steps



- Identify your topic and keywords
- Choose the proper tools (catalogues, databases)
- Collect and evaluate useful documents (articles, papers, technical reports)
- Create your bibliography using the correct citation style and citing the source



What are Bibliographic Databases?



- A **bibliographic database** is a database of bibliographic records, an organized digital collection of references to published literature, including journal and newspaper articles, conference proceedings, reports, government and legal publications, patents, books, etc. In contrast to library catalogue entries, a large proportion of the bibliographic records in bibliographic databases describe articles, conference papers, etc., rather than complete monographs, and they generally contain very rich subject descriptions in the form of keywords, subject classification terms, or abstracts.
- A **bibliographic database** may be general in scope or cover a specific academic discipline.



Why use Bibliographic Databases?



- Bibliographic databases allow you to **use keywords** to search across thousands of different journal titles and conference proceedings at the same time for papers in a specific subject area.
- This **saves you a lot of time** as you do not have to search through individual publications.
- The papers have been through some form of "**quality control**" to ensure that the information is more reliable and valid than information you may find by searching the internet (better than Google search!).
- Bibliographic databases allow you to **create a structured search** by helping you to identify relevant keywords, to combine keywords together and to limit your search.
- Bibliographic databases give you the citation or reference details about the articles you have found so that you can **locate the full text**.
- Bibliographic databases usually **provide links to the abstract or summary** of the article so that you can evaluate the its relevance.
- If the University has an electronic subscription to the journal or conference proceedings, you will **have online access to the full text** of the paper.
- Bibliographic databases **are regularly updated** giving you access to the most current research.



(Engineering) Bibliographic Databases



- [Web of Science](#) (Thompson Reuters bibliographic and citation database of peer-reviewed literature)
- [Scopus](#) (Elsevier bibliographic and citation database of peer-reviewed literature)
- [EconLit](#) (The American Economic Association's electronic database: this is the world's foremost source of references to economic literature.)
- [IEEE Xplore](#) (full-text electrical engineering, computer science, and electronics bibliographic database)
- [Business Source Premier](#) (bibliographic database about management, economics, finance, business)
- [PubMed](#) (a free service of the U.S. National Library of Medicine)



■ WEB OF SCIENCE

COVERAGE: multidisciplinary

TIME RANGE: 1985-

DOCUMENT TYPES: articles, proceedings
papers



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Use field tags, Boolean operators, parentheses, and query sets to create your query. Results will appear in the Search History table at the bottom of the page. [Learn more about Advanced Search](#)

Example: TS=(nanotub* AND carbon) NOT AU=Smalley RE
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Restrict results by languages and document types:

All languages	All document types
English	Article
Afrikaans	Abstract of Published Item
Arabic	Art Exhibit Review

TIMESPAN

☒ All years

☐ From 1985 to 2016

Booleans: AND, OR, NOT, SAME, NEAR

Field Tags:

TS= Topic	SA= Street Address
TI= Title	CI= City
AU= Author [Index]	PS= Province/State
AI= Author Identifiers	CU= Country
GP= Group Author [Index]	ZP= Zip/Postal Code
ED= Editor	FO= Funding Agency
SO= Publication Name [Index]	FG= Grant Number
DO= DOI	FT= Funding Text
PY= Year Published	SU= Research Area
CF= Conference	WC= Web of Science Category
AD= Address	IS= ISSN/ISBN
OG= Organization-Enhanced [Index]	UT= Accession Number
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