

Information Literacy ICI

Mary Joan Crowley

**DISG Library, Engineering Faculty,
Sapienza, University of Rome**

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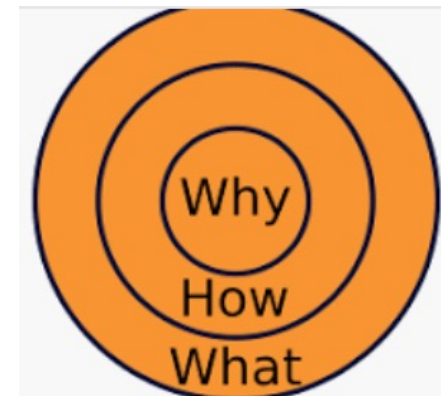
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Why do a literature review?

Helps to develop an understanding of relevant previous research

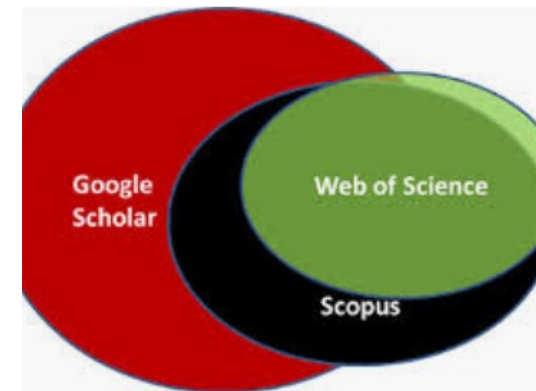
How to do a literature review?

- What are the databases I can use to search for relevant information
- What are the key resources on my topic (books, journals, reports)
- What research, methods and theory are there on my topic
- Who are the main researchers in my field
- What is the history, the chronological development of my topic



Bibliometric databases –what do they do?

- Give access to abstract and citation databases of peer-reviewed literature : scientific journals, books and conference proceedings
- Give citation data (h-index, journal impact factor...)
- GoogleScholar – freely accessible
- Scopus – subscription based
- Web of Knowledge – subscription based

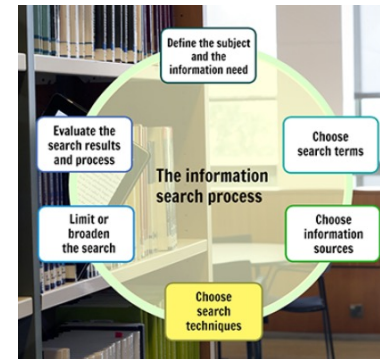


Research Data | Analysis | Planning and

.....and more

- Search for an author or article
- Can see other articles by the same author or similar articles
- Can visualise author's collaborators and their work
- Export citation/article to Mendeley
- Set up alerts
- Save search

Searching Techniques



- Article databases, online library catalogues, and many popular search engines share several general searching techniques. Once you master these common searching techniques, you will save yourself time and find more relevant results.
- Scopus, Web of Science, Google Scholar

Keywords

Key phrases



- Using keywords is a vital part of research and writing, because of the practice of retrieving information electronically: keywords act as the search term. Use keywords that are specific, and that reflect what is essential about your research.

Boolean operators: Combination / Phrase / Truncated / Wildcards

- <https://www.youtube.com/watch?v=cr7LscBEYC8>
- https://www.youtube.com/watch?v=r8Zei_azjX0
- Combination
AND (to focus), OR (to broaden) , NOT (to exclude)
- Phrase
“MMMMMM”
- Truncate
Engine*
- Wildcards
Col?r Wom#n

Google Scholar

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- Refine your search
- Importance of key words



Exercise

- Cable-stayed bridges
- Cable-stayed bridges
-long
- Cable-stayed and
girder



Exercise – search in google scholar

- Choose keyword
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- Create Alert
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Journal of Architectural Engineering / Volume 26 Issue 2 - June 2020

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 Adriano De Sortis, Ph.D. ; and **Fabrizio V**

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De Sortis, A., 2020 *Journal of Architectural Education* 26(2),04020008

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Cappelli, E., Di Egidio, A., Vestroni, F.	2020 Journal of Engineering 146(6),04020048
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
Author	Documents	<i>h</i> -index 	Affiliation
Vestroni, Fabrizio Vestroni, F.	151	33	Università di Roma La Sapienza Via Vitorchiano 2, Rome, 00189, Italy Geotechnical Engineering, Sapienza University of Rome

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Exercise

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