

Visegrad Grant No. 21730020 http://vinmes.eu/



V4 Seminars for Young Scientists on Publishing Techniques in the Field of Engineering Science

About literature research

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<u>Literature</u>



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- Libraries, sources, publishers, and their importance;
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- Focus on your introduction and literature research!

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Summary



Literature:

Past times: libraries holding the knowledge of the predecessors;



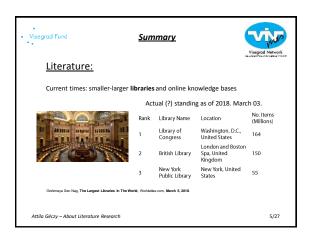
First libraries: before 2000 BC Sumerian, stone tablets

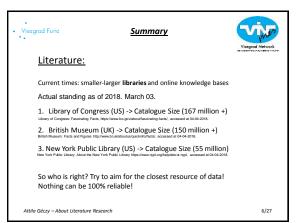
Library of Alexandria:

- 300 BC, papyrus based knowledge dedicated to the nine Muse, the goddesses of the arts

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Other classification:

- scholarly publishers and university presses (such as IEEE, ACM, Macmillan, Wiley, University of Chicago);
- digital hosts/facilitators (such as HighWire Press, MetaPress, Ingenta);
- societies and other scholarly organizations and government agencies (such as the American Physical Society, National Institute of Health, NOAA);
- and preprint/reprint servers (such as arXiv.org, Astrophysics Data System, RePEc, and CiteBase).

Péter Jacsó, (2005) "Google Scholar: the pros and the cors", Online Information Review, Vol. 29 Issue: 2, pp.208-214 https://doi.org/10.1108/14684520510598066



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Sources of literature research:

- Journal papers: from renowned publishers (subscription/open access);
- · handbooks: solid foundations of a given topic;
- · book chapters: chapters from books covering case studies;
- white papers, application notes, datasheets, official documentations: mostly from companies;
- websites, magazines: note the author, publication date and possible affiliations
- dissertations, published thesis-works based on the source they can be high to very low quality sources;
- standards, patents -> depending on the reliable resource and the organization behind the patent/standard handling.

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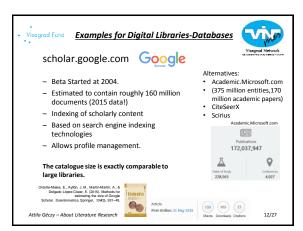


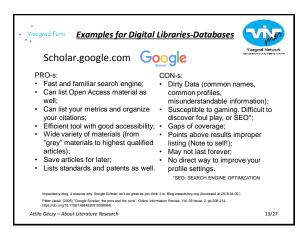
Reliability of Sources:

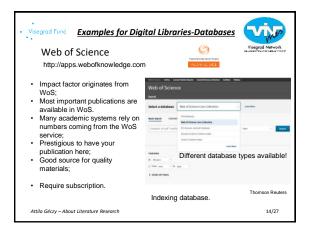
- Reliability is a key issue -> feedback on previous presentation about publishers;
- More reliable publisher -> more reliable information.
- Open access papers from predatory / not indexed (no name) journals may contain problematic and false information.
- White papers released from companies may be reliable but they are often based on commercial aspects.
- Handbooks from recognized publishers are the most reliable sources for basics.
- Usual university material, teaching courses, PPT-s, textbooks, teaching syllabus -> not considered to be a proper source for a scientific literature research.
- Nothing can be 100% reliable, despite of peer reviewing! $\ensuremath{\mathfrak{G}}$

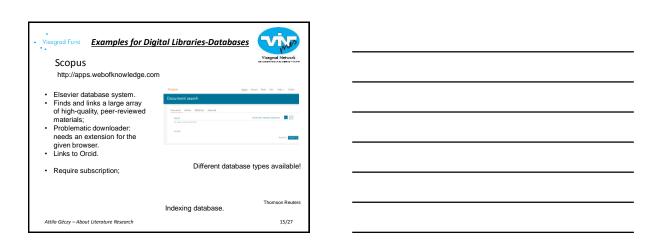
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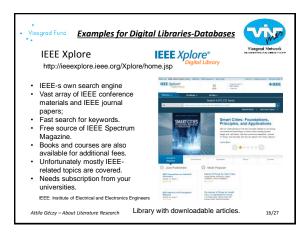


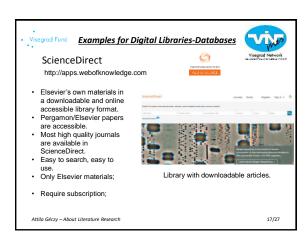


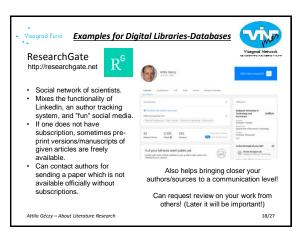


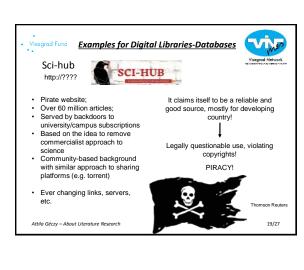












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Visegrad Fund Citation format question Reference indexes: according to journal recommendation Visegrad N References should be styled and punctuated according to the following examp journal article [1]; journal supplement [2]; book [3]; edited book [4], thesis [5]; unpublished report [6]; published report [7]; proceedings [8], and patent [9], 1[1,0.5. Liu, B. Roux, M.G. Velarde, Thermocapillary convection in two-layer systems, International Journal of Heat and Mass Transfer 41 (11) (1988) 1499-Elsevier: "All publications cited in the text should be presented in a list of references following the text of the manuscript. . In the text make references using a number in square brackets on the line (e.g. "Since Petersen [1] has shown?") and the full reference should be given in a numerical list at the end of the paper." For reference: Elsevier, International Heat and Mass Transfer: Guide for Authors https://www.elsevier.com/journals/international-journal-of-heat-and-mass-transfer/0017-9210/guide-for-authors, accessed at 2018.04.05. Attila Géczy – About Literature Research 21/27

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Citation format question



Reference indexes: according to journal recommendation with

Emerald:

References to other publications must be in Harvard style. You should cite publications in the text: (Adams, 2006) using the first named author's name or (Adams and Brown, 2006) citing both names of two, or (Adams et al., 2006), when there are three or more authors. Ref. list in alphabetical order should be supplied.

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Extensive description can be found at: http://emeraldgrouppublishing.com als/author_guidelines.htm?id=ssm

Books, Book chapters, Journals, Published/Unpublished Conference proceedings, Unpublished Conference Proceedings, Working Papers, Encyclopedia Entries, Newspaper Articles, Non-authored newspaper articles, Archival/unpublished resources, electronic sources, data..

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Key tips for summarizing your literature research



- Build up your literature presentation with the bottom up method.
- · Try to aim for the general overview on the topic, then narrow down the points to the relevant questions regarding your topic.
- Try not to wander too far from the topic.
- · Try to figure out the timeline of the topic's evolving. It can be confusing to refer forth to back on the progression of your topic.
- Present and write the articles (and the reference indexes) as you write the text -> later it will be difficult to catch on with the indexes.
- Always note the citation format required to the given journal, publication platform.
- Cite the pictures as well, which you do not own! Sometimes your older pictures may be copyrighted by the publisher, where your paper was published!

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Key tips for making your literature research more focused



- $\bullet\ \ \ \mbox{Sum up recent articles from the given journal, where you aim to}$ publish your article. The editors like to see the relevance of the given topic in comparison to their previous publications.
- Include the most relevant citations to your research -> and maybe send your work later to your inspiring researchers. You never know when you will receive a citation or a different form of recognition from them.

- · If you have different topics, different chapters, different thesis groups, it can be logical to separate the cited work.
- If possible try to upload your work to an open access platform, website or Researchgate - > so that an indexing database may list your work to the cited persons.

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