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# Conducting Research: Literature Search to Writing Review Paper

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**Part 1:  
Systematic Review**



[www.researcherid.com/rid/C-2414-2009](http://www.researcherid.com/rid/C-2414-2009)  
<http://scholar.google.com/citations>



19<sup>th</sup> December 2016

All of my presentations are available online at:

[https://figshare.com/authors/Nader\\_Ale\\_Ebrahim/100797](https://figshare.com/authors/Nader_Ale_Ebrahim/100797)

Link to this presentation: <https://dx.doi.org/10.6084/m9.figshare.1100235.v1> (Old version)

# Conducting Research: Literature Search to Writing Review Paper Part 1: Systematic Review

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[www.researcherid.com/rid/C-2414-2009](http://www.researcherid.com/rid/C-2414-2009)  
<http://scholar.google.com/citations>

Read more: Ale Ebrahim, N. (2013). Introduction to the Research Tools mind map. *Research World*, 10, Article A10.4. Retrieved from <https://ssrn.com/abstract=2280007>

# Abstract

**Abstract:** “[Research Tools](#)” can be defined as vehicles that broadly facilitate research and related activities. “[Research Tools](#)” enable researchers to collect, organize, analyze, visualize and publicized research outputs. Dr. Nader has collected over 700 tools that enable students to follow the correct path in research and to ultimately produce high-quality research outputs with more accuracy and efficiency. It is assembled as an interactive Web-based mind map, titled “Research Tools”, which is updated periodically. “[Research Tools](#)” consists of a hierarchical set of nodes. It has four main nodes: (1) Searching the literature, (2) Writing a paper, (3) Targeting suitable journals, and (4) Enhancing visibility and impact of the research. In this workshop some tools as an example from the part 1 ([Searching the literature](#)) will be described. The e-skills learned from the workshop are useful across various research disciplines and research institutions.

**Keywords:** Literature Review, Improve citation, Research impact, Open access, h-index, Research Visibility

# Nader Ale Ebrahim



# Top 10 authors with the highest profile view counts on ResearchGate

Table 11. Top 10 authors with the highest profile view counts on ResearchGate (9<sup>th</sup> of November, 2015), compared to the same indicator on the 10<sup>th</sup> of September, 2015.

AUTHOR NAME	SEPTEMBER 10 <sup>th</sup>	NOVEMBER 9 <sup>th</sup>	MISMATCH (%)
	(2015) PROFILE VIEWS	(2015) PROFILE VIEW	
Nader Ale Ebrahim	19,821	13,281	67.00
Chaomei Chen	7,760	3,937	50.73
Loet Leydesdorff	4,227	1,758	41.59
Bakthavachalam Elango	2,883	1,756	60.91
Zaida Chinchilla	5,840	1,569	26.87
Mike Thelwall	4,297	1,568	36.49
Lutz Bornmann	3,129	1,439	45.99
Wolfgang Glänzel	3,012	1,301	43.19
Kevin Boyack	3,256	1,135	34.86
Peter Ingwersen	2,335	1,025	43.90

Source: Martín-Martín, A., Orduna-Malea, E., Ayllón, J. M., & López-Cózar, E. D. (2016). The counting house, measuring those who count: Presence of Bibliometrics, Scientometrics, Informetrics, Webometrics and Altmetrics in Google Scholar Citations, ResearcherID, ResearchGate, Mendeley, & Twitter. *EC3 Reseach Group: Evaluación de la Ciencia y de la Comunicación Científica Universidad de Granada and Universidad Politécnica de Valencia (Spain), In Progress*,. doi:10.13140/RG.2.1.4814.4402

# November 2016 Top 100 Technology Experts to Follow on Twitter



#17) **@underdarkGIS** - Anita Graser (Down from #12)



#18) **@7didane** - 7didane (Up from #43)



#19) **@aleebrahim** - Nader Ale Ebrahim (Up from #26)



#20) **@UPMCnews** - UPMC/PittHealth News (Up from #27)

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## WORKSHOP SERIES TOPICS

SESSION	DATE	TIME	TOPIC
1	7 September 2016	2.00 – 4.30 p.m.	Citations and its impact to university ranking
2.1	22 September 2016	10.00 a.m. – 12.00	Research Outreach: Wider Visibility to Increase Citation*
2.2		2.00 – 5.00 p.m.	Plain Language Summary: The Common Language of Research & Innovation *
3	28 September 2016	2.00 – 4.30 p.m.	Analysis of bibliometrics information for select the best field of study
4	5 October 2016	2.00 – 4.30 p.m.	A new system for measuring research impact
5	12 October 2016	2.00 – 4.30 p.m.	How to select a brand name for your research interest?
6	19 October 2016	2.00 – 4.30 p.m.	Optimize articles for search engine to improve research visibility
7	26 October 2016	2.00 – 4.30 p.m.	Prepare a pre/post print of your documents for advertisement
8	2 November 2016	2.00 – 4.30 p.m.	Create a publication database for enhancing research visibility
9	9 November 2016	2.00 – 4.30 p.m.	Create a google scholar profile to boost research visibility
10	16 November 2016	2.00 – 4.30 p.m.	Create and maintain an up-to-date researcherid profile
11	23 November 2016	2.00 – 4.30 p.m.	Online repository: improving the research visibility and impact
12	30 November 2016	2.00 – 4.30 p.m.	Kudos: promote your published research reach and impact
13	7 December 2016	2.00 – 4.30 p.m.	Journal selection procedure: select the best journal to ensure the highest citation
14	14 December 2016	2.00 – 4.30 p.m.	Establish your expertise with a science blog
15	21 December 2016	9.00 – 11.30 a.m.	Promote your research work on LinkedIn
16	4 January 2017	9.00 – 11.30 a.m.	Make your data discoverable on a data repository
17	11 January 2017	9.00 – 11.30 a.m.	Microblogging for enhancing the research accessibility
18	18 January 2017	9.00 – 11.30 a.m.	Make an audio slides for your research
19	25 January 2017	2.00 – 4.30 p.m.	Academic social networking (ResearchGate & Academia) and the re- search impact
22	1 March 2017	2.00 – 4.30 p.m.	“Document publishing tools” for research visibility improvement
23	8 March 2017	2.00 – 4.30 p.m.	Publication’s e-mail marketing procedure
24	15 March 2017	2.00 – 4.30 p.m.	The use of reference management tools to improve citation
25	22 March 2017	2.00 – 4.30 p.m.	Contribute to Wikipedia: an approach to increase research visibility on the web

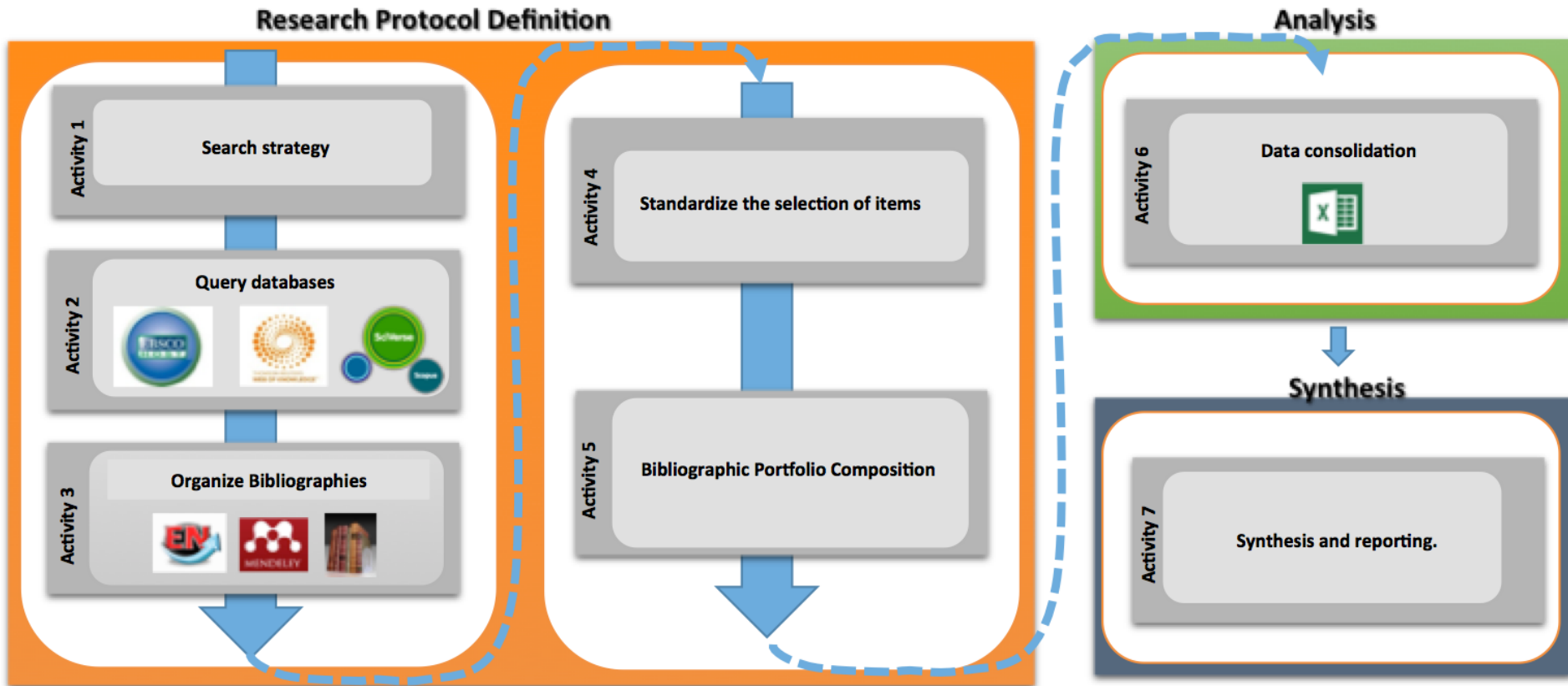
<http://umconference.um.edu.my/ws>

# Outline

No.	Topic
<b>Day 1:</b>	
1	What is a literature review
2	Some questions that the review of literature can answer
3	<a href="#"><u>Systematic Review</u></a>
4	Checklist for reading a review paper
5	Narrow the area of research
6	Review biases
7	Identifying a Research Problem
8	Developing a search strategy, Finding keyword
9	Introduce “Research Tools” Box
10	Selecting keywords
11	Finding proper articles



# Systematic Review and Bibliometrics: A Step-by-step Guide



Source: Ferenhof, H. A., & Fernandes, R. F. (2016). *Systematic Review and Bibliometrics: A Step-by-step Guide*. Retrieved from <http://diva-portal.org/smash/get/diva2:768099/FULLTEXT01>

# Problem statements

The search can be time consuming and sometimes tedious task. How can make it easier? How do deal with situations such as:

- “I just join as a new postgraduate student and I am not sure how to do a literature search”
- “I have been in research for some time now but I spend a lot of time to get the articles I want”
- “I am sure I have downloaded the article but I am not able to find it”
- “I wanted to write a new paper, how can I manage the references in the shortest possible time?”
- “I have many references, some of my old papers, and some of my current research. Sometimes, they are so many that I can’t recall where I have kept them in my folders!”
- .....
- “I have written an article and I am not able to find a proper Journal”
- "I want to increase the citation of my papers, how do I do?"

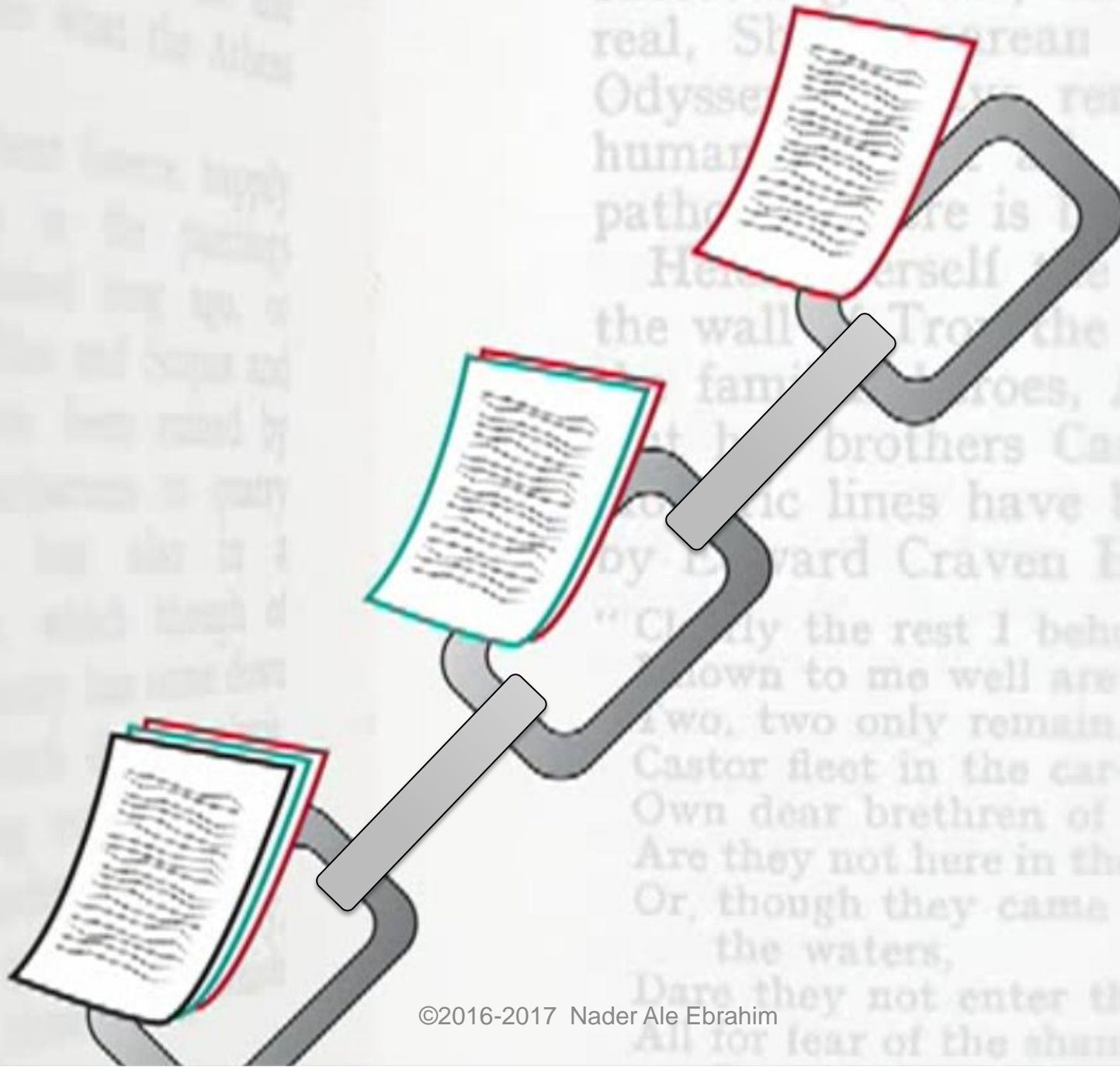


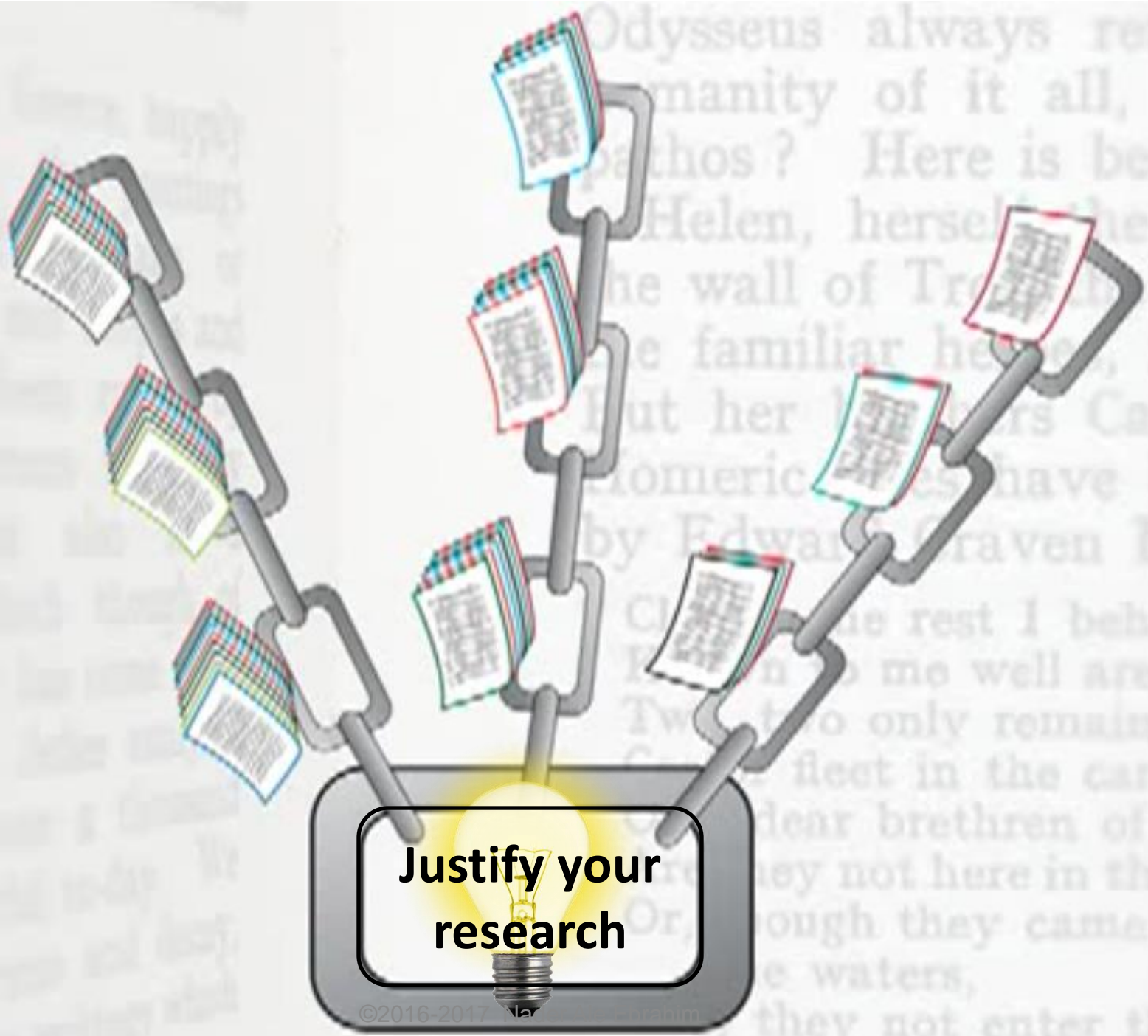
# What is a literature review

A literature review discusses published information in a particular subject area, and sometimes information in a particular subject area within a certain time period.

A literature review can be just a simple summary of the sources, but it usually has an organizational pattern and combines both summary and synthesis. A summary is a recap of the important information of the source, but a synthesis is a re-organization, or a reshuffling, of that information. It might give a **new interpretation of old material** or **combine new with old interpretations**. Or it might **trace the intellectual progression of the field**, including major debates. And depending on the situation, the literature review may **evaluate the sources and advise the reader** on the most pertinent or relevant

Source: <http://writingcenter.unc.edu/handouts/literature-reviews/>





**Justify your  
research**

# The literature review

## **In your literature review, you should:**

- **clarify your understanding of the field**
- explain the rationale for your research
- place your research within a broader context
- **evaluate the results of previous research**
- **define key concepts and ideas**
- **identify research in related areas that are generalisable or transferable to your topic**
- **identify relevant methodological issues.**



# The literature review

A literature review ensures that you are at least familiar with the body of research in your field before starting your own investigations. Writing a literature review also provides practice in critical thinking. Once you have applied critical thinking skills to the findings of past researchers, you are in a better position to apply these same skills to your own work.

UNE. 2009. The literature review [Online]. University of New England. Available: <http://www.une.edu.au/library/eskillsplus/literature/litreview.php> [Accessed 25 January 2010].



# 6 critical questions

things to think about when someone has something to say

**who**

**Who said it?**

Someone you know? Someone famous?  
Someone in authority?  
Should it matter who said it?

**what**

**What did they say?**

Did they give facts or opinions?  
Did they give all the facts?  
Did they leave something out?

**where**

**Where did they say it?**

Was it in public or in private?  
Did other people have a chance to talk about the other side?

**when**

**When did they say it?**

Before, after, or during an important event?

**why**

**Why did they say it?**

Did they explain their opinions?  
Were they trying to make someone look good or bad?

**how**

**How did they say it?**

Were they happy, sad, angry, or didn't care? Did they write it or speak it?  
Could you understand it?

# Critical reading

Critical reading is the process of reading that goes beyond just understanding a text. Critical reading involves:

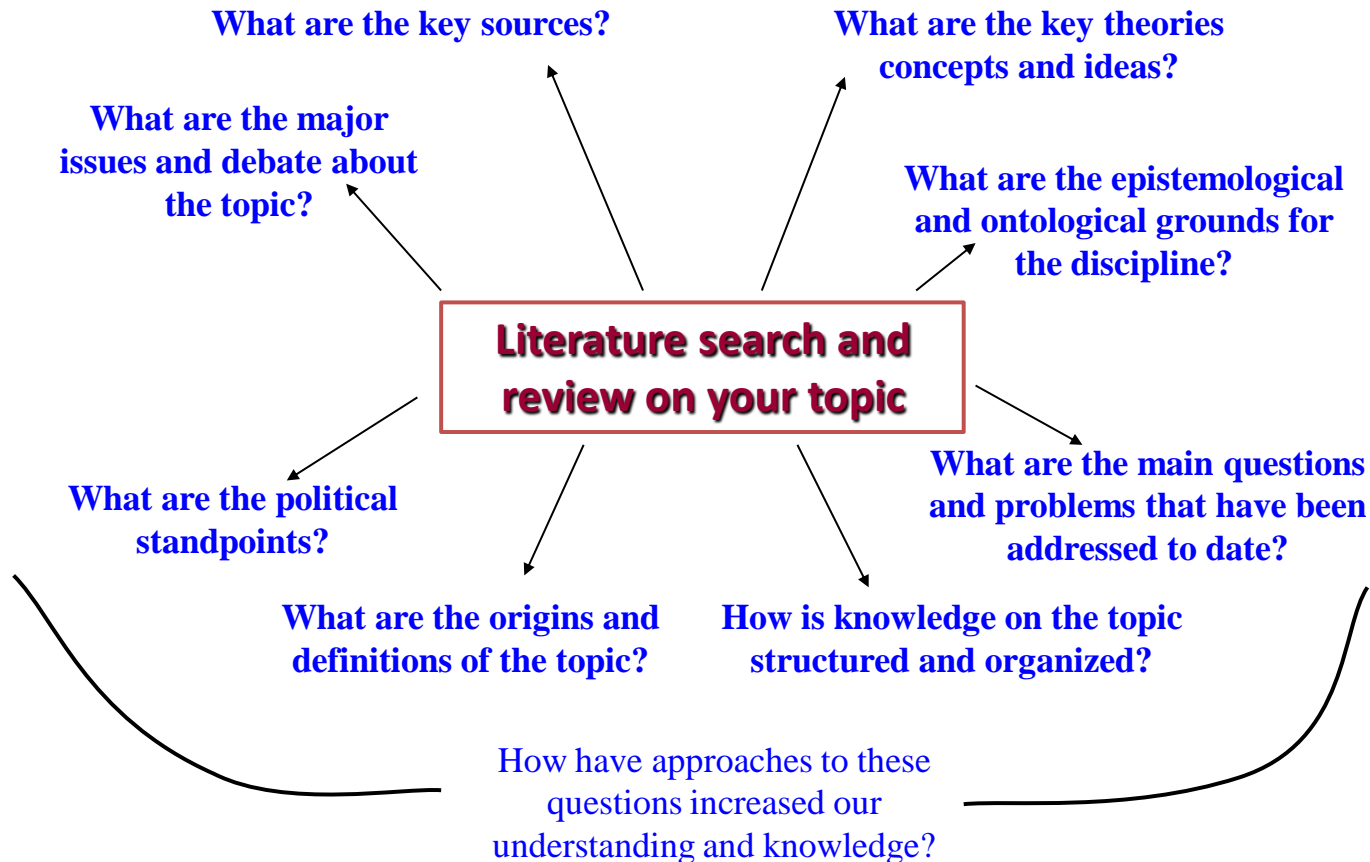
- Carefully considering and evaluating the reading
- Identifying the reading's strengths and implications
- Identifying the reading's weaknesses and flaws
- Looking at the 'big picture' and deciding how the reading fits into the greater academic context (the understandings presented in other books and articles on this topic)

# Critical reading

Critical reading often involves asking questions about the reading. In particular, you are examining the strengths and weaknesses of the reading's argument. To do this, you need to consider:

- the reading's background
- its purpose and overall conclusion (claim)
- the evidence used in the reading
- the logical connections between the claim and the evidence
- the reading's balance
- its limitations
- how it relates to other sources and research
- if the reading is based on research, how this research was conducted

# Some questions that the review of literature can answer



# Systematic Review 1/2

- A systematic literature review is a means of identifying, evaluating and interpreting all available research relevant to a particular research question, or topic area, or phenomenon of interest. Individual studies contributing to a systematic review are called *primary studies*; a systematic review is a form a secondary study.

# Systematic Review 2/2

- A **systematic review** is a literature review focused on a research question that tries to identify, appraise, select and synthesize all high quality research evidence relevant to that question.

Source: [http://en.wikipedia.org/wiki/Systematic\\_review](http://en.wikipedia.org/wiki/Systematic_review)

- [A Guide to Writing the Dissertation Literature Review](#)

# Reasons for Performing Systematic Reviews

- **To summarise** the existing evidence concerning a treatment or technology e.g. to summarise the empirical evidence of the benefits and limitations of a specific agile method.
- **To identify any gaps** in current research in order to suggest areas for further investigation.
- **To provide a framework/background** in order to appropriately position new research activities.

However, systematic reviews can also be undertaken to examine the extent to which empirical evidence supports/contradicts theoretical hypotheses, or even to assist the generation of new hypotheses

# The Systematic Review Process



Source: Adapted from [Systematic Review](#)



# Planning the review

1. Identification of the need for a review
2. Development of a review protocol. (The most important activity during protocol is to formulate the research question.)



Planning the review

# Conducting the review

1. Identification of research
2. Selection of primary studies
3. Study quality assessment
4. Data extraction & monitoring
5. Data synthesis.



**Conducting the  
review**

# Reporting the review

*Reporting the review  
is a single stage  
phase.*



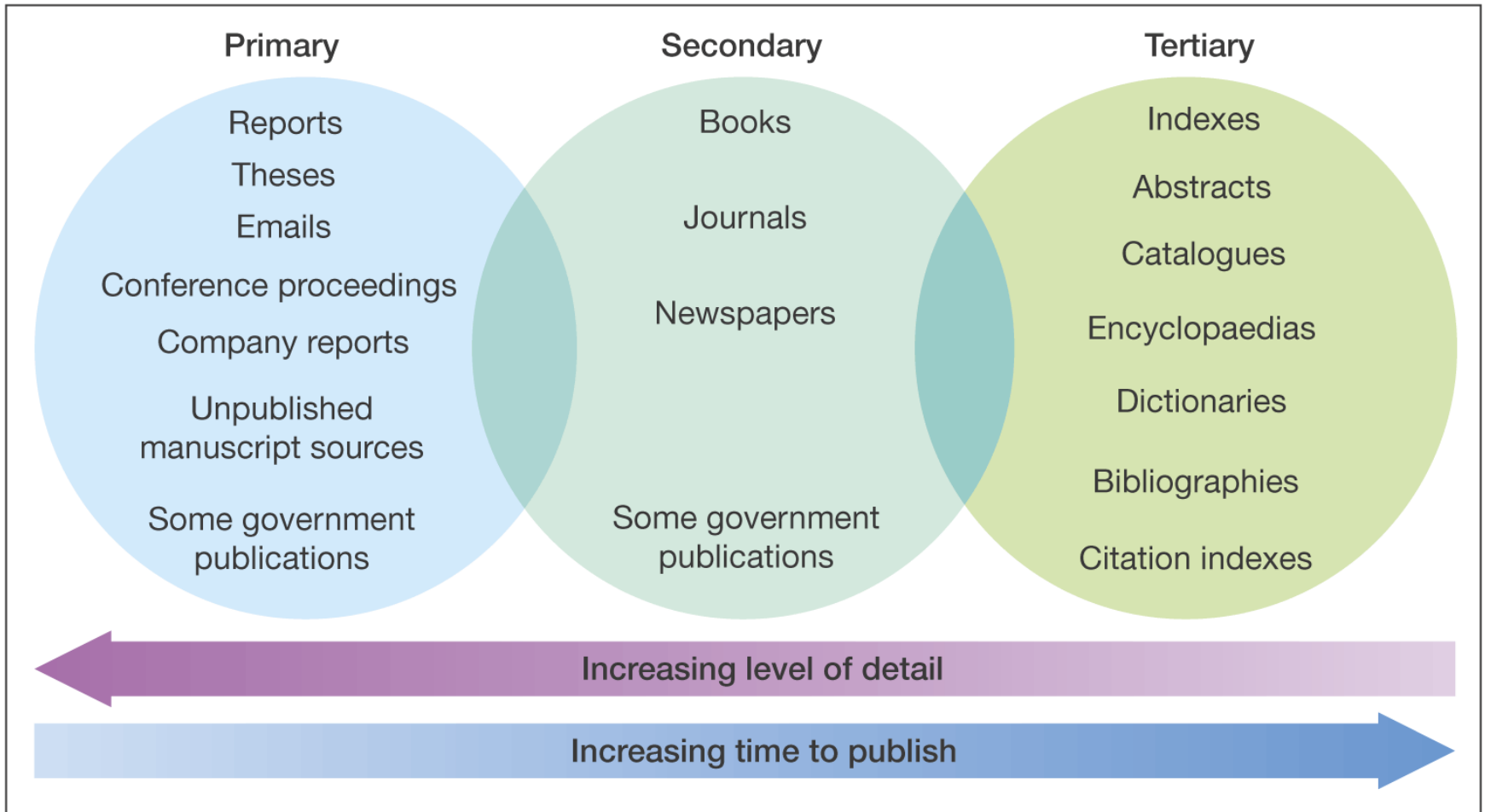
Reporting the  
review

# Checklist for reading a review paper

- What are the review's objectives?
- What sources were searched to identify primary studies? Were there any restrictions?
- What were the inclusion/exclusion criteria and how were they applied?
- What criteria were used to assess the quality of primary studies and how were they applied?
- How were the data extracted from the primary studies?
- How were the data synthesised? How were differences between studies investigated? How were the data combined? Was it reasonable to combine the studies? Do the conclusions flow from the evidence?

# Checklist for reading a review paper-From a more general viewpoint

- Can you find an important question, which the review addressed?
- Was a thorough search done of the appropriate databases and were other potentially important sources explored?
- Was methodological quality assessed and the trials weighted accordingly?
- How sensitive are the results to the way that the review has been done?
- Have numerical results been interpreted with common sense and due regard to the broader aspects of the problem?

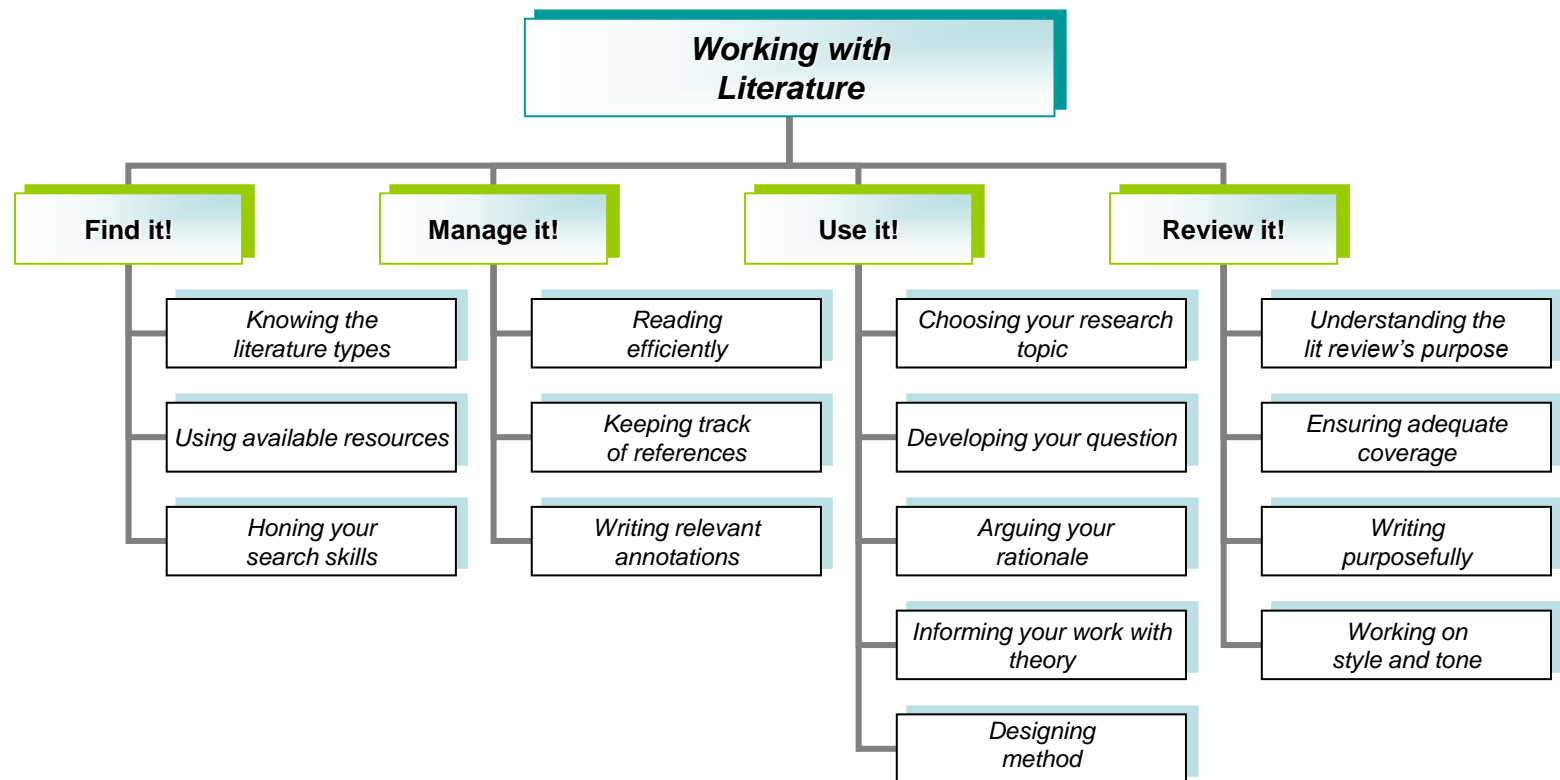


## Literature sources available

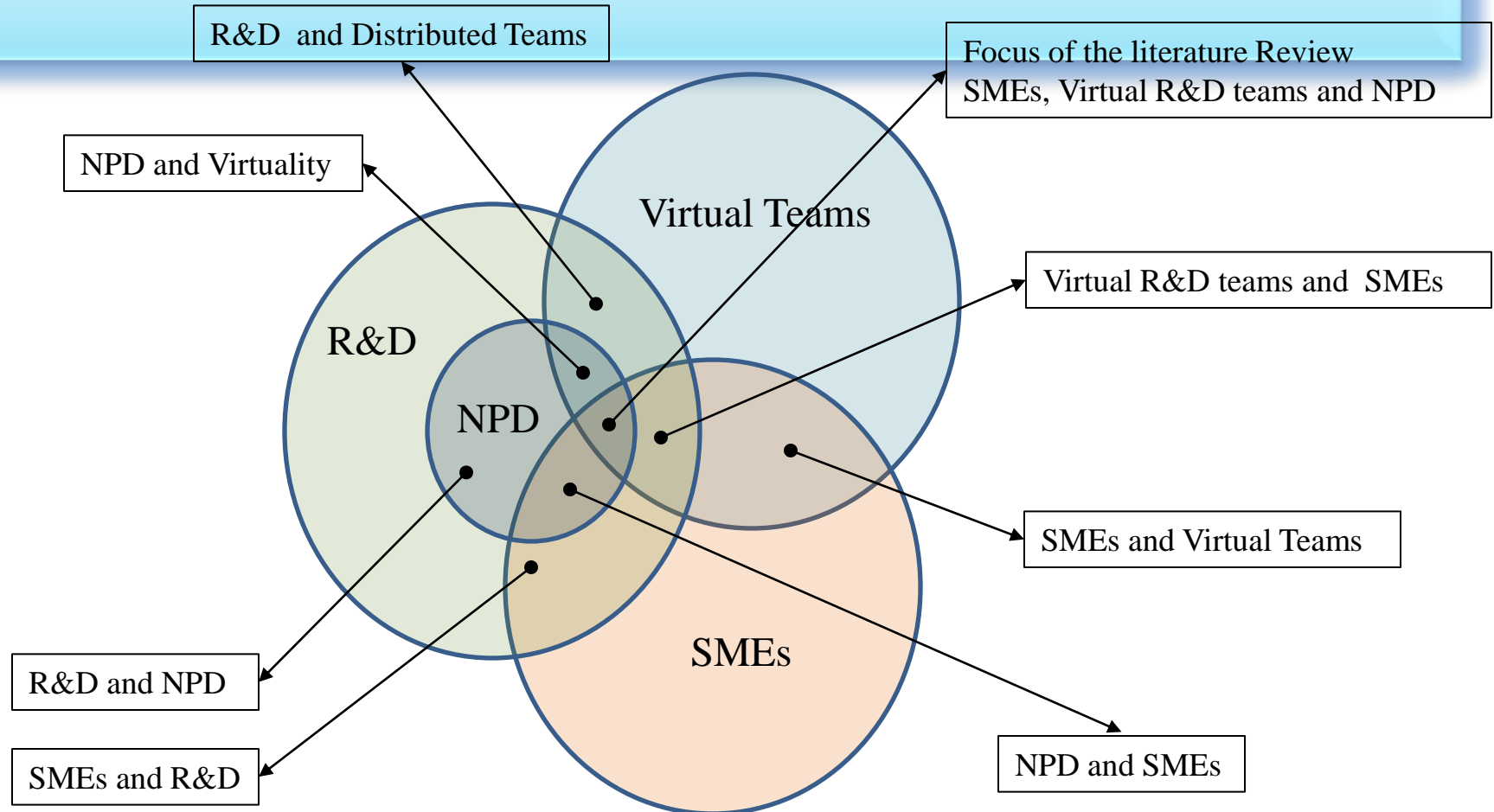
Source: [Research methods for business students](#) / Mark Saunders, Philip Lewis, Adrian Thornhill. —5th ed.

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# Working with literature

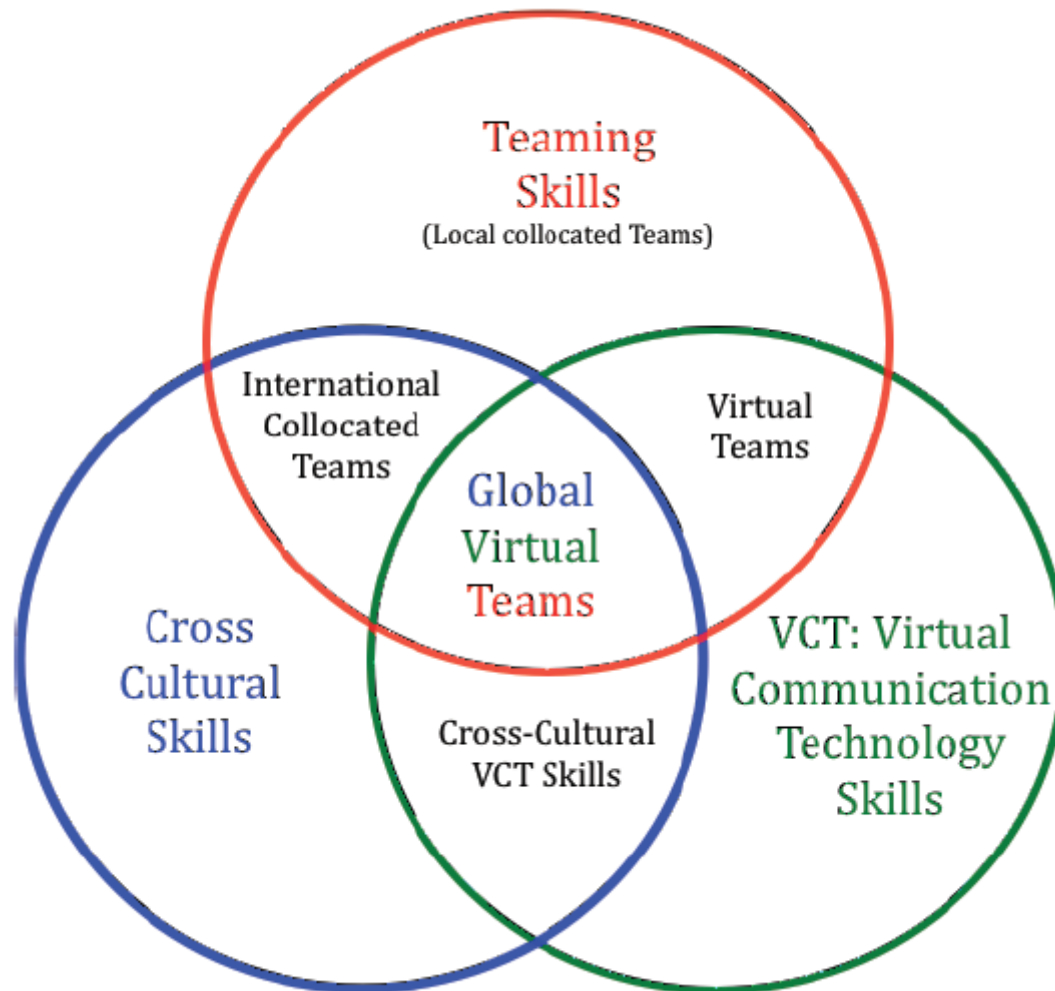


# Narrow the area of research



Ale Ebrahim, N., Ahmed, S., & Taha, Z. (2009). Virtual R & D teams in small and medium enterprises: A literature review. [Review]. *Scientific Research and Essay*, 4(13), 1575–1590.





[The interactions between teaming, cross-cultural and virtual communication skills to create new engineering interactions.](#)

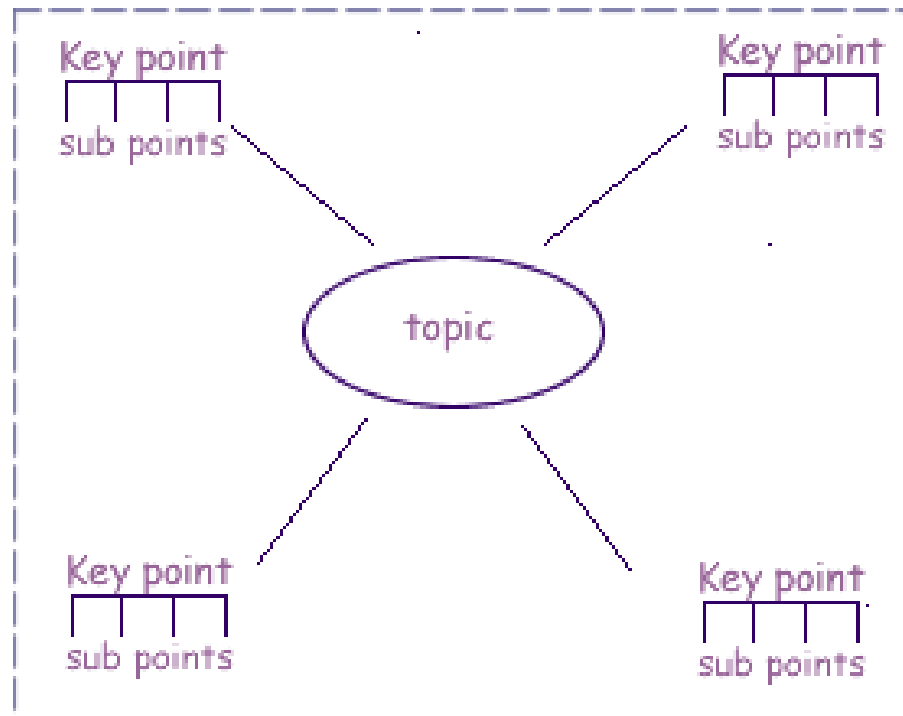


Figure from: <http://memeburn.com/2012/06/do-links-from-social-media-sites-really-hold-any-seo-value/>

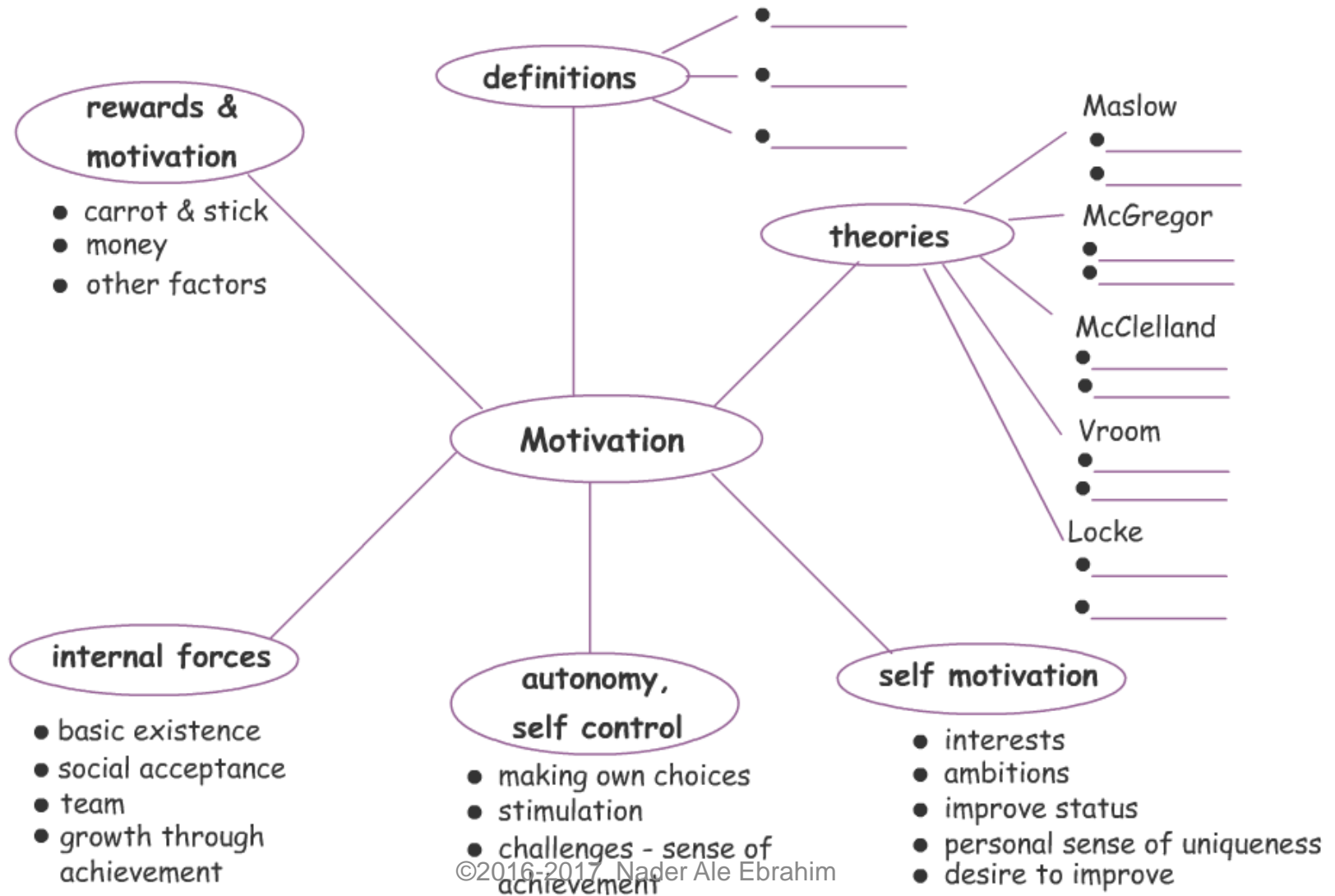
# Structure & planning your writing - MindMaps

MindMaps are a visual map to link and organise key concepts of your research. They also show links and relationships between ideas. Sometimes it is a good idea to number key ideas in the order that you are going to place them in your literature review.

## Example

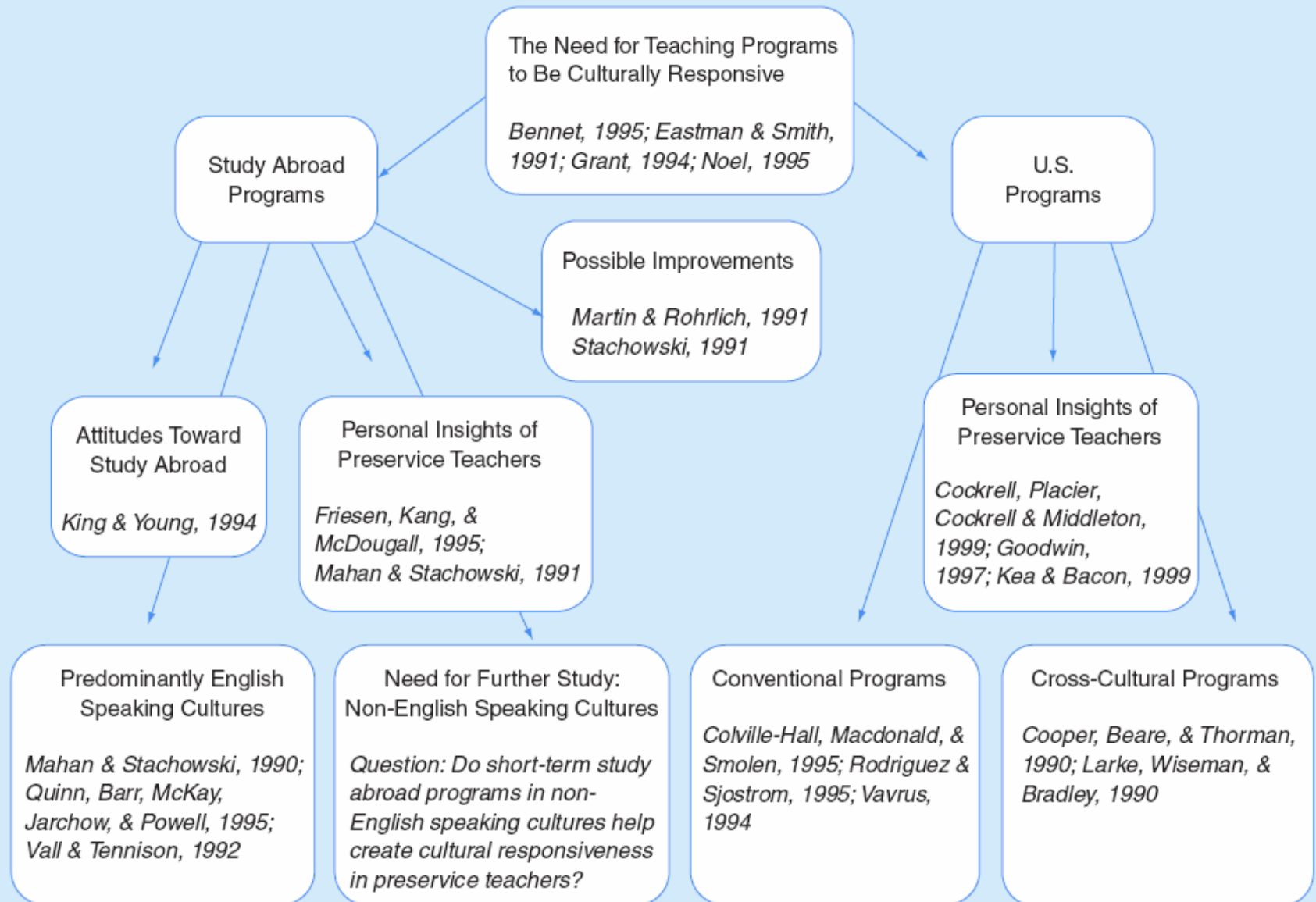


# Example of a MindMap



# A Literature Map, Hierarchical Design

## Literature Map



## A Literature Map, Circular Design

Need for Further Study:

Non-English Speaking Cultures

Question: "Do short-term study abroad programs in non-English speaking cultures help create cultural responsiveness in preservice teachers?"

**Study Abroad Programs**

Personal Insights of Preservice Teachers (Friesen, Kang, & McDougall, 1995)

Attitudes Toward Study Abroad (King & Young, 1994)

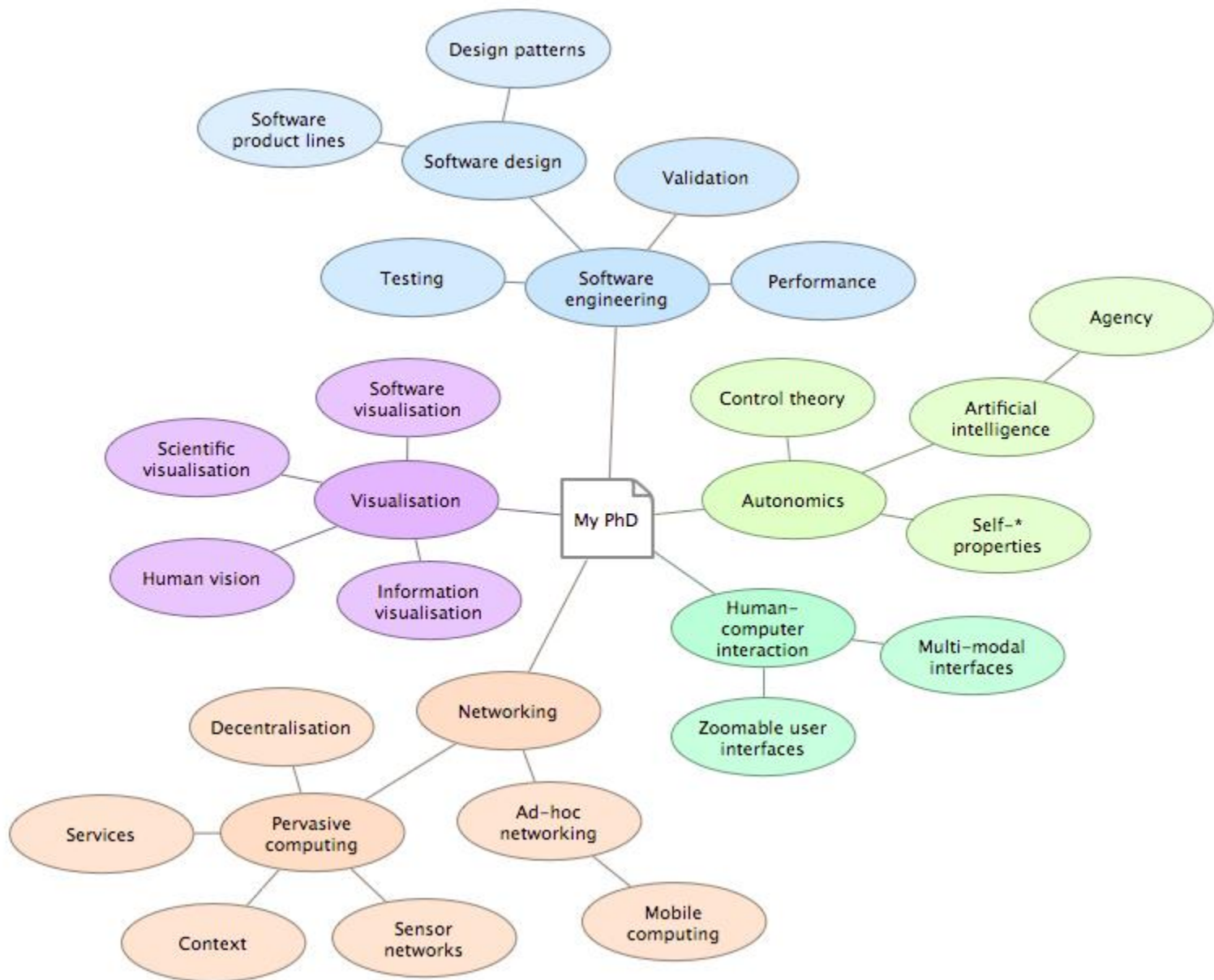
Predominantly English Speaking Cultures (Mahan & Stachowski, 1990)

**U.S. Programs**

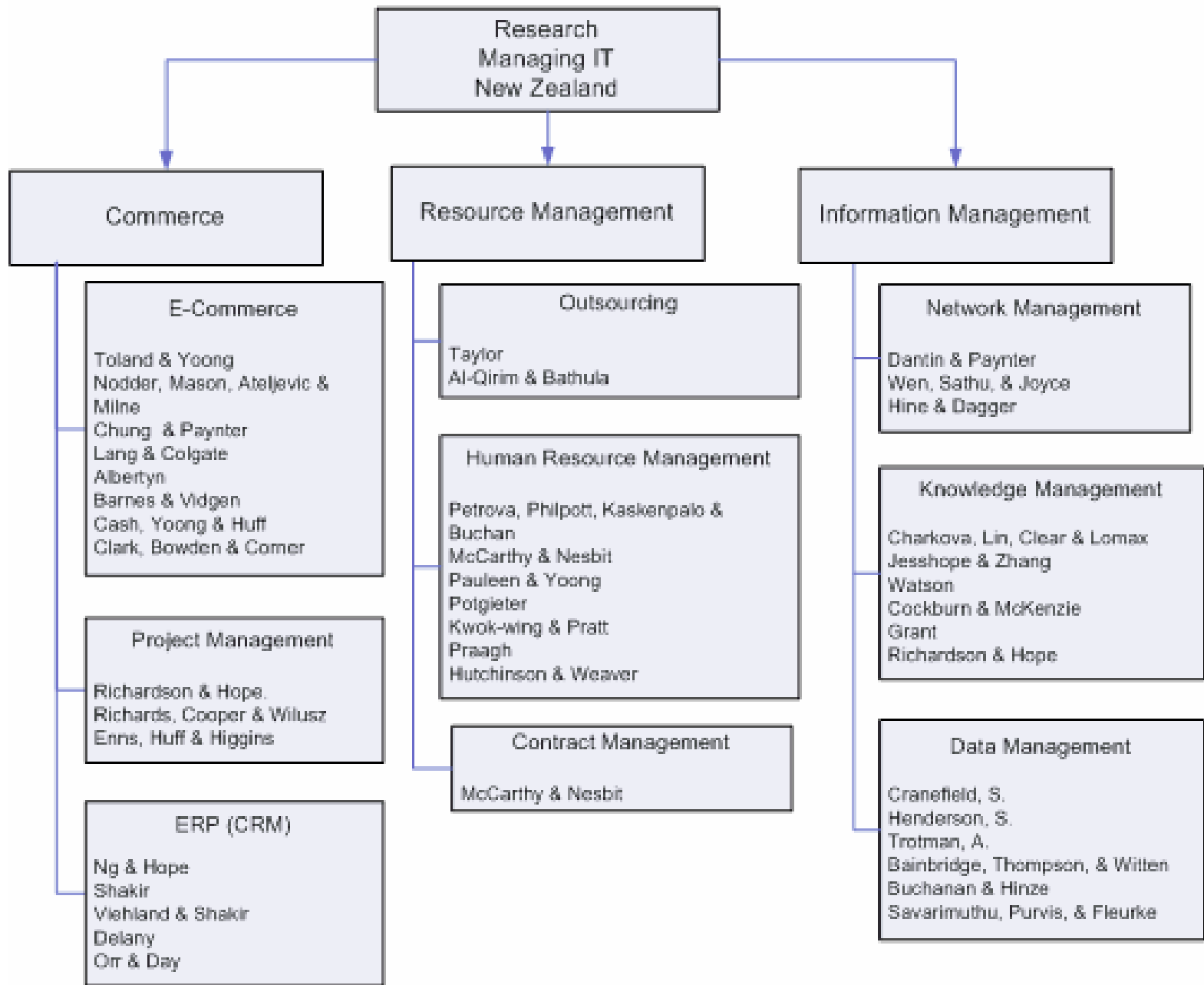
Personal Insights of Preservice Teachers (Cockrell, Placier, Cockrell, & Milleton, 1999)

Conventional Programs (Colville-Hall, Macdonald, & Smolen, 1995)

Cross-Cultural Programs (Cooper, Beare, & Thorman, 1990)



Source: Ross' PhD Literature Review Mind Map





# Review biases

- Read outdated version of a paper/book
- Reading but not writing
- Read unlinked papers (detect as much of the relevant literature as possible)
- Read before planning (defining a review protocol that specifies the research question being addressed)
- Start reading with few resources
- Language bias
- Publication bias
- Read everything
- Not keeping bibliographical information

# Identifying a Research Problem

*Researchers begin a study by identifying a research problem that they need to address. They write about this “problem” in the opening passages of their study and, in effect, give you as a reader the rationale for why the study is important and why you need to read their study.*

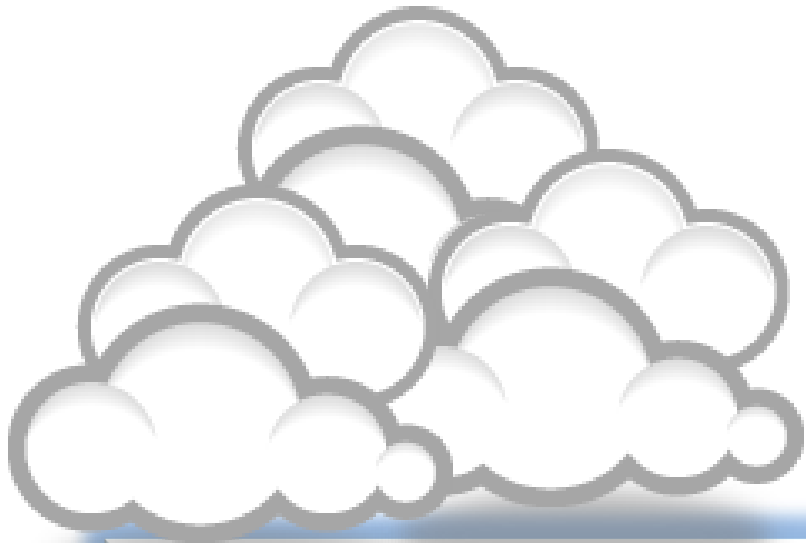
[Reference: Creswell, J. W. \(2012\). \*Educational research: Planning, Conducting, and Evaluating Quantitative and Qualitative Research\* \(4th ed. ed.\). Boston: Pearson Education, Inc.](#)

# Reviewing the Literature

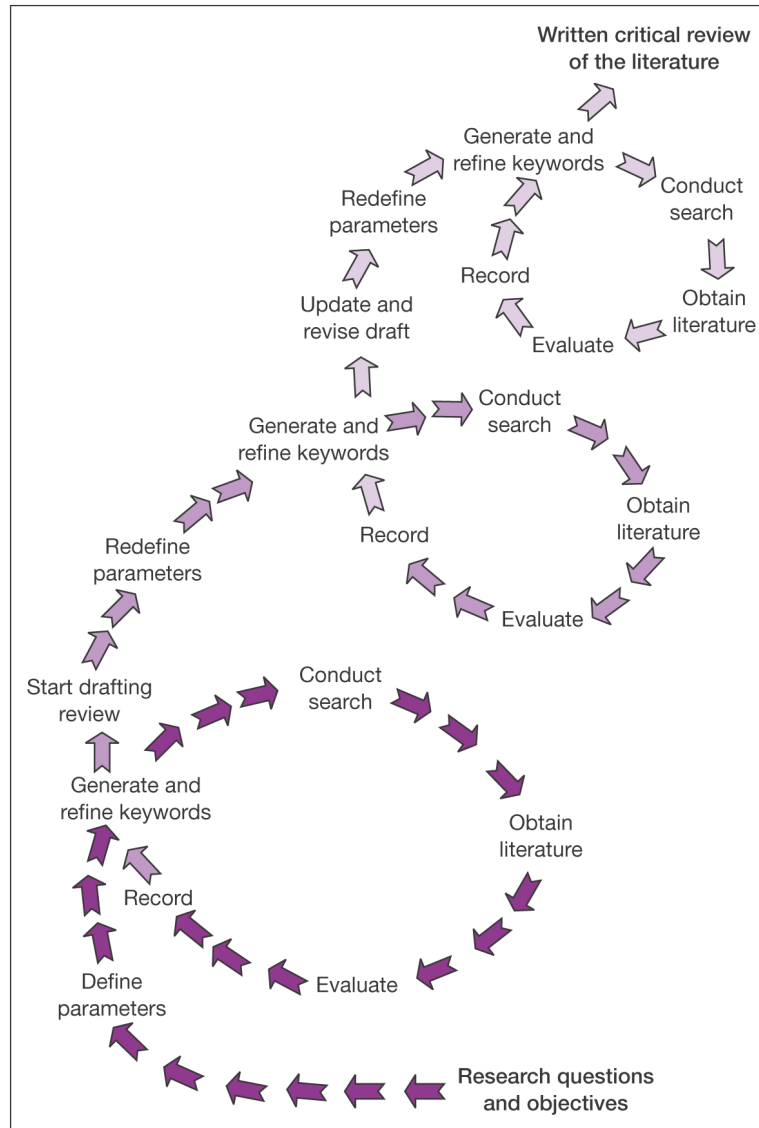
*With so much information available, searching and locating good literature on your topic can be challenging. Five steps will provide a sense of how researchers proceed in reviewing the literature are:*

- 1. Identify key terms to use in your search for literature.***
- 2. Locate literature about a topic by consulting several types of materials and databases, including those available at an academic library and on the Internet.***
- 3. Critically evaluate and select the literature for your review.***
- 4. Organize the literature you have selected by abstracting or taking notes on the literature and developing a visual diagram of it.***
- 5. Write a literature review that reports summaries of the literature for inclusion in your research report.***

[Reference: Creswell, J. W. \(2012\). \*Educational research: Planning, Conducting, and Evaluating Quantitative and Qualitative Research\* \(4th ed. ed.\). Boston: Pearson Education, Inc.](#)



Developing a search strategy,  
Finding keyword



## The literature review process

Source: © Mark Saunders, Philip Lewis, Adrian Thornhill and Martin Jenkins 2003

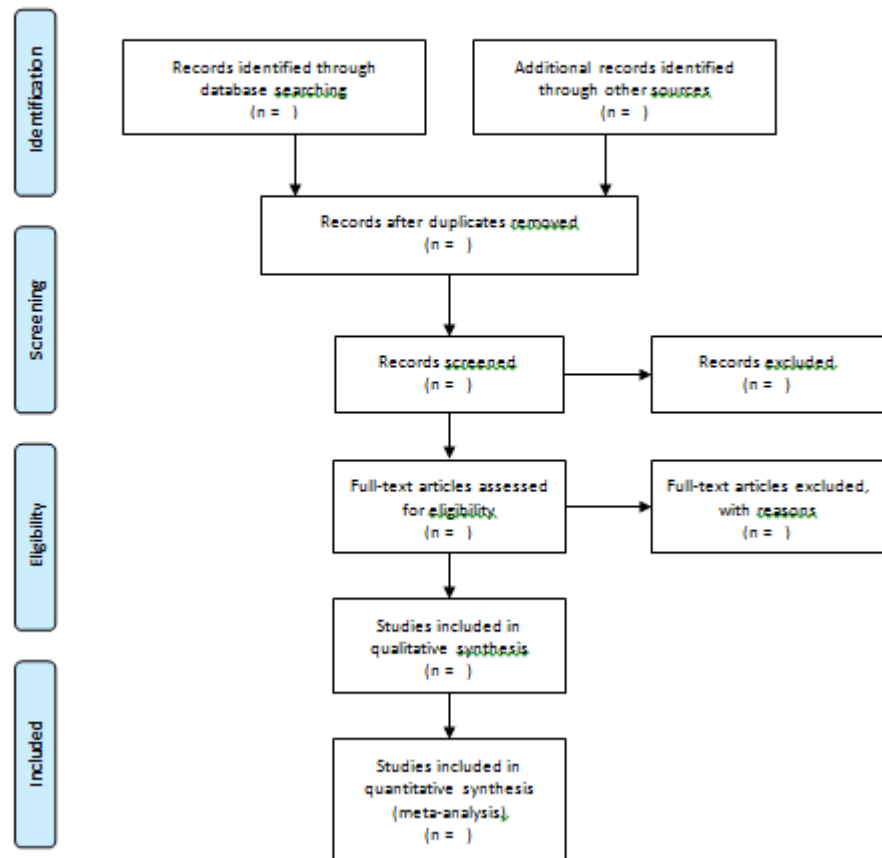
Research methods for business students / Mark Saunders, Philip Lewis, Adrian Thornhill. —5th ed.

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# Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA)



PRISMA 2009 Flow Diagram



From: Moher D, Liberati A, Tetzlaff J, Altman DG, The PRISMA Group (2009). Preferred Reporting Items for Systematic Reviews and Meta-Analyses: The PRISMA Statement. PLoS Med 6(7): e1000097. doi:10.1371/journal.pmed1000097

For more information, visit [www.prisma-statement.org](http://www.prisma-statement.org).

# Effective searching

- » Developing a search strategy
- » Searching the library catalogue
- » Finding journal articles and papers
- » Searching the Internet
- » Other sources

Source: <http://learnline.cdu.edu.au/myresearch/plan/searchstrategy.html>

# Developing a search strategy

- » Defining the topic
- » Considering the scope of your topic
- » Identifying the main or important aspects
- » Compiling a list of keywords
- » Developing your search strategy
- It is important to develop a search strategy to, not only, find the information you need but to also clarify your topic.



# How to Find and Develop a Viable Research Topic?

**Step One: Identify a Topic.**

**Step Two: Test Your Topic.**

**Test the main concepts or keywords in your topic by looking them up in the appropriate background sources or by using them as search terms.**

If you are finding too much information and too many sources, narrow your topic by using the **and** operator

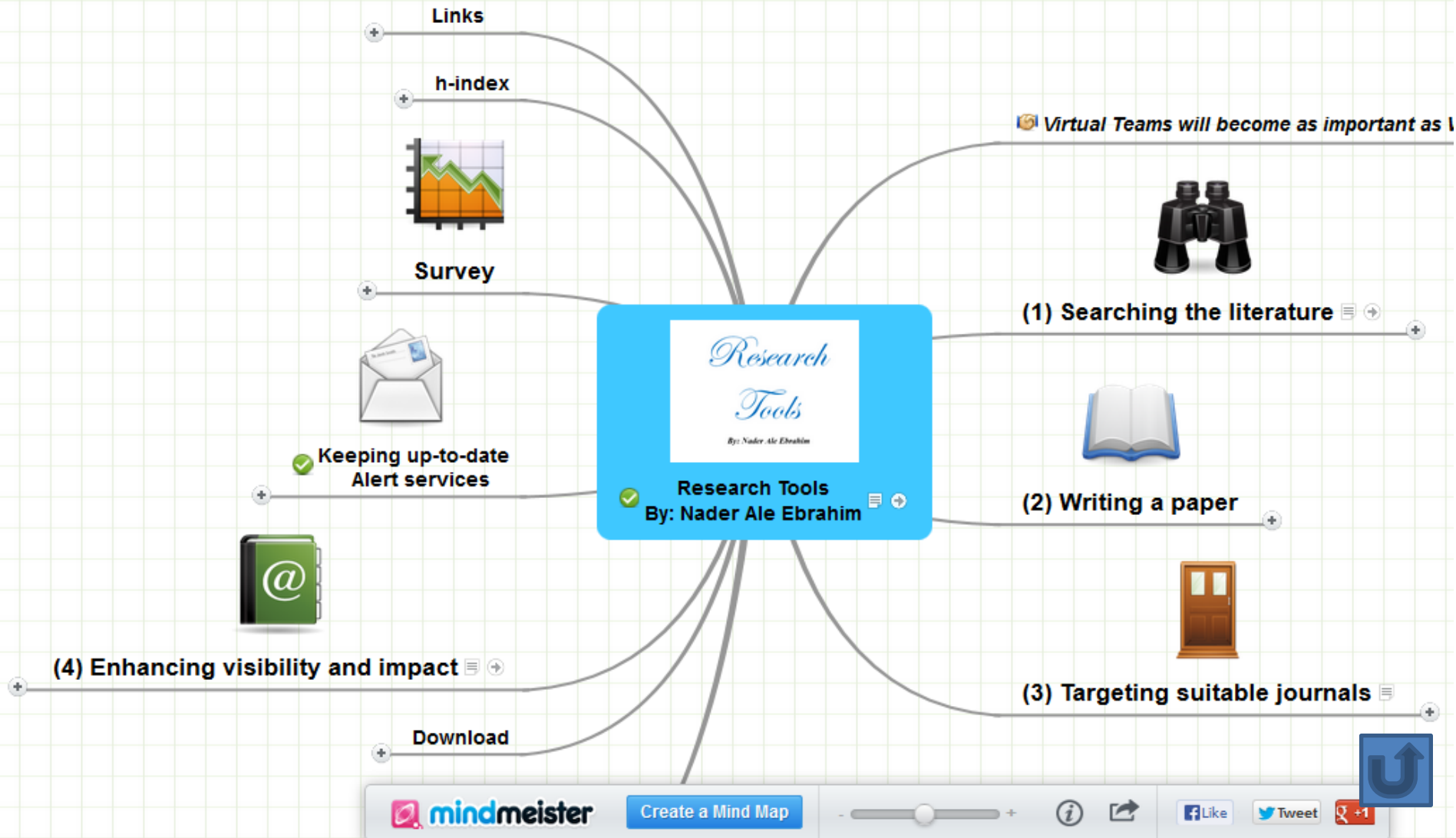
Finding too little information may indicate that you need to broaden your topic.

# Improving Readership of Your Articles

**Appearing at the top of the list of search results, and having a useful description of your work, greatly improve the likelihood that a reader will find and download your document.**

- Abstracts should include **keywords** that potential readers are likely to use in searches. It is especially valuable to modify and reuse words that appear in the document's title and full text to improve the article's rank when readers search for those words.
- The **first sentence of the abstract** is all that is likely to be displayed in the search page results, so make your first sentence one that will encourage readers to click the link.

# Research Tools Mind Map



# Keywords

Selecting keywords lead to get more citation.



## *Design Studies*

---

### KEYWORDS LIST

Choose up to five keywords for your paper from this list. You may substitute one keyword of your own choice not on this list.

aesthetics	environmental impact
architectural design	epistemology
artificial evolution	evaluation
automotive design	expert systems
built environment	facility programming
case based reasoning	generic design
case study/studies	graphic design
collaborative design	

**MASTER KEYWORDS**  
**LIST**  
Journal of International Business  
Studies

Google Trends



[MeSH \(Medical Subject Headings\)](#)

# Master Keywords List

palgrave macmillan Journal of International Business Studies

Institutional Registration > Admin Login >  
Personal Registration > My account >  
Subscribe > E-alert sign up >

SITE MAP > SUBJECT AREAS > SEARCH This journal > Go ADVANCED SEARCH >

ADVERTISEMENT SKOLKOVO MASTERCARD FINANCE, PAYMENTS & E-COMMERCE CHAIR VACANCY

Journal home > Master list of keywords

## MASTER KEYWORDS LIST

- [Research methods](#)
- [Theories](#)
- [Topics](#)

The master keyword list is split into 3 main categories: research methods, theories, and topics. When choosing your keywords, please try to choose at least one keyword from each category.

### RESEARCH METHODS [Top](#)

#### Data Source

- Primary
- Secondary

#### Research Design

- Comparative Thinking
- Construct Development and Evaluation
- Cross-Cultural Experiments
- Cross-Cultural Research/Measurement Issues
- Econometrics
- Equivalency

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# MeSH Tree Structures for “Genes”

## MeSH Tree Structures

[Genetic Phenomena \[G05\]](#)

[Genetic Structures \[G05.360\]](#)

[Genome \[G05.360.340\]](#)

[Genome Components \[G05.360.340.024\]](#)

[Attachment Sites, Microbiological \[G05.360.340.024.079\]](#)

[CpG Islands \[G05.360.340.024.159\]](#)

[DNA Sequence, Unstable \[G05.360.340.024.189\]](#) +

[DNA, Intergenic \[G05.360.340.024.220\]](#) +

▶ [Genes \[G05.360.340.024.340\]](#)

[Alleles \[G05.360.340.024.340.030\]](#)

[Gene Components \[G05.360.340.024.340.137\]](#) +

[Genes, cdc \[G05.360.340.024.340.220\]](#)

[Genes, Chloroplast \[G05.360.340.024.340.225\]](#)

[Genes, Developmental \[G05.360.340.024.340.230\]](#) +

[Genes, Dominant \[G05.360.340.024.340.240\]](#)

[Genes, Duplicate \[G05.360.340.024.340.250\]](#)

[Genes, Essential \[G05.360.340.024.340.270\]](#)

[Genes, Helminth \[G05.360.340.024.340.310\]](#)

[Genes, Immediate-Early \[G05.360.340.024.340.330\]](#)

[Genes, Immunoglobulin \[G05.360.340.024.340.335\]](#) +

[Genes, Insect \[G05.360.340.024.340.340\]](#)

# Foundations of searching

- Virtual AND (Team\* OR group OR “Virtual R&D Teams”) NOT (Management OR Manager)
- The toolset?
  1. “phrase searching”
  2. truncat\*
  3. OR
  4. AND, NOT
  5. (brackets OR parentheses)

# Truncation

Symbol	Retrieves
*	Zero or more characters *carbon* <i>carbon, hydrocarbon, polycarbonate</i>
\$	Zero or one character colo\$r <i>color, colour</i>
?	One character only en?oblast <i>entoblast, endoblast</i>



# Keywords Plus

- KeyWords Plus<sup>®</sup> are index terms created by Thomson Reuters from significant, frequently occurring words in the titles of an article's cited references.

Source: [http://images.webofknowledge.com/WOK46/help/WOS/h\\_fullrec.html](http://images.webofknowledge.com/WOK46/help/WOS/h_fullrec.html)

# Keywords and Keywords Plus®

Authors sometimes provide a list of keywords or terms that they feel best represent the content of their paper. These keywords are contained in the ISI record (1991 data forward, depending on the [database](#)) for each article and are searchable. In addition, ISI generates KeyWords Plus for many articles. **KeyWords Plus** are words or phrases that frequently appear in the titles of an article's references, but do not necessarily appear in the title of the article itself. KeyWords Plus may be present for articles that have no author keywords, or may include important terms not listed among the title, abstract, or author keywords.

Source: <http://wos.isitrial.com/help/helpdefs.html>

# KeyWords Plus® Creation Cycle

## SAMPLE SOURCE RECORD

Title: Respiratory and immunological findings in brewery workers  
Author(s): GodnicCvar J; Zuskin E; Mustajbegovic J; Schachter EN (REPRINT);  
Kanceljak B; Macan J; Ilic Z; Ebling Z  
Journal: AMERICAN JOURNAL OF INDUSTRIAL MEDICINE, 1999, V35, N1 (JAN), P 68-75  
Author Keywords: brewery workers ; respiratory symptoms ; lung function ; immunology

Selected Cited References: (39 total, 14 shown for demonstration)

\*WHO, 1986, P39, EARL DET OCC LUNG DI  
BLASKI CA, 1996, V154, P334, AM J RESP CRIT CARE  
HUY T, 1991, V144, P1314, AM REV RESPIR DIS  
IVERSEN M, 1990, V20, P211, CLIN EXP ALLERGY  
KORTEKANGASSAVO.O, 1993, V48, P147, ALLERGY  
KORTEKANGASSAVO.O, 1994, V24, P836, CLIN EXP ALLERGY  
MAESTRELLI P, 1992, V22, P103, CLIN EXP ALLERGY  
MALMBERG P, 1986, V10, P316, AM J IND MED  
MCCARTHY PE, 1985, V42, P106, BRIT J IND MED  
MEZJAR B, 1989, P148, 14 INT C EUR AC ALL  
REVSBECH P, 1990, V45, P204, ALLERGY  
SHELDON JM, 1957, P507, MANUAL CLIN ALLERGY  
SMID T, 1994, V25, P877, AM J IND MED  
VIDAL C, 1995, V75, P121, ANN ALLERG ASTHMA

KeyWord Plus(R): ATOPIC-DERMATITIS PATIENTS; LUNG-FUNCTION;  
GRAIN DUST; OCCUPATIONAL ASTHMA; MITE ALLERGY; STORAGE MITE; EXPOSURE;  
HYPERSENSITIVITY; SYMPTOMS; DISEASE

## ISI SOURCE DATABASE (1970-PRESENT)

No title available  
The role of atopy in grain dust-induced airway disease  
**GRAIN DUST AND LUNG-FUNCTION - DOSE-RESPONSE RELATIONSHIPS**  
**MITE ALLERGY AND EXPOSURE TO STORAGE MITES AND HOUSE DUST MITES IN FARMERS**  
SKIN PRICK TEST REACTIONS TO BREWERS-YEAST (SACCHAROMYCES-CEREVISIAE) IN ADULT ATOPIC-DERMATITIS PATIENTS  
IMMEDIATE HYPERSENSITIVITY TO BAKERY, BREWERY AND WINE PRODUCTS IN YEAST-SENSITIVE ATOPIC-DERMATITIS PATIENTS  
GUIDELINES FOR THE DIAGNOSIS OF OCCUPATIONAL ASTHMA  
RELATIONSHIP BETWEEN SYMPTOMS AND EXPOSURE TO MOLD DUST IN SWEDISH FARMERS  
**LUNG-FUNCTION AFTER EXPOSURE TO BARLEY DUST**  
No title available  
**STORAGE MITE ALLERGY AMONG BAKERS**  
No title available  
DUST-RELATED AND ENDOTOXIN-RELATED ACUTE **LUNG-FUNCTION** CHANGES AND WORK-RELATED **SYMPTOMS** IN WORKERS IN THE ANIMAL FEED-INDUSTRY  
**FOOD-INDUCED AND OCCUPATIONAL ASTHMA DUE TO BARLEY FLOUR**

## FREQUENTLY OCCURRING TITLE WORDS

ATOPIC-DERMATITIS PATIENTS  
LUNG-FUNCTION  
GRAIN DUST  
OCCUPATIONAL ASTHMA  
MITE ALLERGY

STORAGE MITE  
EXPOSURE  
HYPERSENSITIVITY  
SYMPTOMS  
DISEASE

# KeyWords Plus- Example

- New Product Development in Virtual Environment (ISI Indexed)
- Author Keywords: New product Development; Virtual teams; Concurrent Collaboration; Review paper
- KeyWords Plus: DEVELOPMENT TEAMS; PERFORMANCE; TECHNOLOGY; KNOWLEDGE; COMMUNICATION; PERSPECTIVE; INTEGRATION; INNOVATION; NETWORK; WORKING

# Key Words Selection

## Results: 26

*(from Web of Science Core Collection)*

### You searched for:

**TITLE:** ("Envelope Design")

**Timespan:** All years. **Indexes:** SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH.

## Results: 477

*(from Web of Science Core Collection)*

### You searched for:

**TITLE:** (("efficiency envelope\*") OR (envelope NEAR/5 building) OR (envelope NEAR/5 energy) OR ("envelope\* energy\* saving\*") OR ("Envelope\* System\*") OR ("thermal\* envelope\*") OR ("Envelope\* Design\*"))

**Timespan:** All years. **Indexes:** SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH.

# Key Words Selection

TABLE 1: Search phrases used

Field	Search Strings
general/other	brain surgery – neurosurgery – hydrocephalus – peripheral nerve surgery
vascular	aneurysm surgery – arteriovenous malformation* – carotid endarterectomy – cavernous malformation – extracranial intracranial bypass – intracranial aneurysm* – [intracranial or intracerebral] and [hematoma or hemorrhage] – subarachnoid hemorrhage – vasospasm
tumor	brain tumor surgery – meningioma – glioblastoma* – glioma – meningioma – radiosurgery – radiotherapy
trauma	brain injury – coma – head injury – brain damage – spinal injury
functional	deep brain stimulation – epilepsy surgery – Parkinson's surgery – spinal cord stimulation – trigeminal neuralgia – stereotactic – stereotaxic – stereotaxy
spine	spine fusion – spine fixation – spine surgery – spinal surgery – spinal fusion – spinal fixation – [cervical or thoracic or lumbar] and [disc* or disk*]

\* The asterisk was included in the search string as a wild card character. For example, the search “disc\*” would return results for “disc” or “discs” or “discectomy.”

Source: Ponce, F. A., & Lozano, A. M. (2014). [Highly cited works in neurosurgery. Part II: the citation classics A review \(vol 112, pg 233, 2010\). Journal Of Neurosurgery 120\(5\), 1252-1257. doi: 10.3171/2014.2.JNS14358a](#)

Web of Science<sup>SM</sup>

**Results** Topic=("virtual Teams")  
 Timespan=All Years. Databases=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH.  
 Lemmatization=On

Scientific WebPlus<sup>BETA</sup> View Web Results >>

**Note:** Alternative forms of your search term (for example, tooth and teeth) may have been applied, in particular for Topic or Title searches that do not contain quotation marks around the terms. To find only exact matches for your terms, turn off the "Lemmatization" option on the search page.

Results: **741** Page 1 of 75 Go Sort by: Publication Date -- newest to oldest

**Refine Results**  
 Search within results for  
 Search  
**Web of Science Categories** Refine  
 MANAGEMENT (288)  
 COMPUTER SCIENCE INFORMATION SYSTEMS (183)  
 INFORMATION SCIENCE LIBRARY SCIENCE (122)  
 BUSINESS (96)

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- Title: **Factors of collaborative working: A framework for a collaboration model**  
 Author(s): Patel Harshada; Pettitt Michael; Wilson John R.  
 Source: APPLIED ERGONOMICS Volume: 43 Issue: 1 Pages: 1-26 DOI: 10.1016/j.apergo.2011.04.009 Published: JAN 2012  
 Times Cited: 0 (from Web of Science)  
[Full Text](#) [ -View abstract ]
- Title: **Technology Adoption in Online Social Networks**  
 Author(s): Peng Gang; Mu Jifeng  
 Source: JOURNAL OF PRODUCT INNOVATION MANAGEMENT Volume: 28 Supplement: 1 Pages: 133-145 DOI:

## Web of Science<sup>SM</sup>

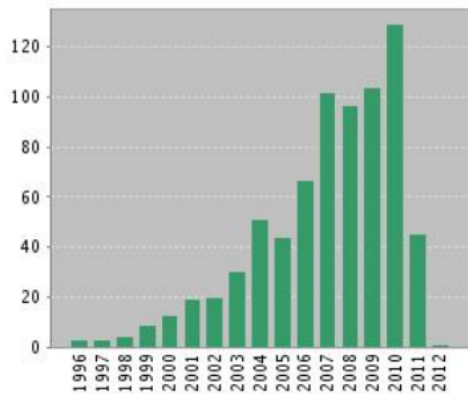
<< Back to previous results list

### Citation Report Topic=("virtual Teams")

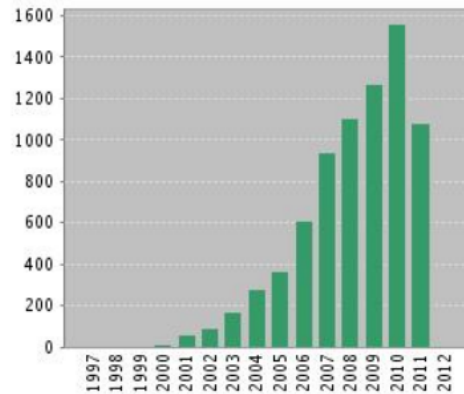
Timespan=All Years. Databases=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH.

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Published Items in Each Year



Citations in Each Year



**Results found: 741**

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**Sum of the Times Cited [?]: 7561**

**Sum of Times Cited without self-citations [?]: 4771**

**Citing Articles[?]: 3928**  
[View Citing Articles](#)  
[View without self-citations](#)

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**Average Citations per Item [?]: 10.20**

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**h-index [?]: 42**

Results: **741**

Page 1 of 75 **Go**

Sort by: Times Cited -- highest to lowest

2008 2009 2010 2011 2012 **Total** Average





# Task for first session

## 1. Draw the literature map

## 2. Read:

- [https://www.dlsweb.rmit.edu.au/lsu/content/2\\_AssessmentTasks/assess\\_tuts/lit\\_review\\_LL/reading.html](https://www.dlsweb.rmit.edu.au/lsu/content/2_AssessmentTasks/assess_tuts/lit_review_LL/reading.html)
- Cottrell, S. (2005). [\*Critical thinking skills - Developing Effective Analysis and Argument\*](#). Basingstoke: Palgrave Macmillan.
- Chapter 3 of “Creswell, J. W. (2012). [\*Educational research: Planning, Conducting, and Evaluating Quantitative and Qualitative Research\*](#) (4th ed.). Boston: Pearson Education, Inc”
- Chapter 3 of “Saunders, M., Lewis, P., & Thornhill, A. (2009). [\*Research methods for business students\*](#) (5th ed.). Edinburgh Gate, Harlow, Essex CM20 2JE, England: Pearson Education Limited.”

## 3. Search for:

- The research keyword/s within Keywords Plus®
- The relevant article

## 4. Make a Bibliometrics database based on the research keywords

## 5. Find some good literature review papers in your field of study

# My recent publications

Springer Link

Search

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Download PDF (843 KB)

Article  
Scientometrics  
November 2015, Volume 105, Issue 2, pp 759-777  
First online: 09 September 2015

## Qualitative and quantitative analysis of solar hydrogen generation from 2001 to 2014

Mohammad Reza Maghami, Shahin Ebrahim, Chandima Gomes

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Activity and Aging Research: A Bibliometric Study  
Original Research  
André Matthias Müller<sup>1</sup>, Payam Ansari<sup>1</sup>, Nader Ale Ebrahim<sup>2</sup>, and ...<sup>1</sup>

ICAPA  
International Coalition for Aging and Physical Activity  
HELPING THE WORLD AGE ACTIVELY

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

Iranian Journal of Public Health

Tehran University of Medical Sciences

Abubakar AHMED  
Mastura ADAM  
Norafida A. GHAFAR  
Murtala MUHAMMAD  
Nader Ale EBRAHIM

### Impact of Article Page Count and Number of Authors on Citations in Disability Related Fields: A Systematic Review Article

Abubakar AHMED, Mastura ADAM, Norafida A. GHAFAR, Murtala MUHAMMAD, Nader Ale EBRAHIM

ABSTRACT

Background: Citation metrics and total publications in a field has become the gold standard for rating researchers and visibility of a field. Hence, stimulating demand for citation has led to a search for useful strategies to improve performance metric index. Meanwhile, title, abstract and morphologic qualities of the articles attract researchers to scientific publications. Yet, there is relatively little understanding of the citation trend in disability related fields. We aimed to provide an insight into the factors associated with citation increase in this field. Additionally, we tried to

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International Journal of Public Health

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Home > Vol 1, No 1 (2016) > Nagaratnam

## A BIBLIOMETRIC ANALYSIS ON "FERTILITY RATE" RESEARCH TRENDS

Shalini Nagaratnam, Nader Ale Ebrahim, Muzafar Shah Habibullah

ABSTRACT

JOURNAL CONTENT

Search

Search Scope

All

Search

# Questions?



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Twitter: [@aalebrahim](https://twitter.com/aalebrahim)



[www.researcherid.com/rid/C-2414-2009](http://www.researcherid.com/rid/C-2414-2009)  
<http://scholar.google.com/citations>

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[www.researcherid.com/rid/C-2414-2009](http://www.researcherid.com/rid/C-2414-2009)  
<http://scholar.google.com/citations>

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8. Cottrell, S. (2005). *Critical thinking skills - Developing Effective Analysis and Argument*. Basingstoke: Palgrave Macmillan.

## My recent publications:

1. Akhavan, P., Ale Ebrahim, N., Fetrat, M. A., & Pezeshkan, A. (2016). Major trends in knowledge management research: a bibliometric study. *Scientometrics* 1-16. doi:10.1007/s11192-016-1938-x
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3. Shakiba, M., Ale Ebrahim, N., Danaee, M., Bakhtiyari, K., & Sundararajan, E. (2016). A Comprehensive Comparison of Educational Growth within Four Different Developing Countries between 1990 and 2012. *Revista de Gestão e Secretariado*, 6(3), 152-174. doi:10.7769/qesec.v6i3.486
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## My recent presentations:

1. Ale Ebrahim, N. (2016). *Improve Research Visibility by Establishing an Academic Blog*. Paper presented at the 4th SERIES OF INTRODUCTORY WORKSHOP ON: Strategies to Enhance Research Visibility, Impact & Citations, Centre for Research Services, Institute of Research Management and Services (IPPP), University of Malaya. <https://dx.doi.org/10.6084/m9.figshare.4315169.v3>
2. Ale Ebrahim, N. (2016). *Where to publish? A Journal selection procedure for receiving the highest citation and impact*. Paper presented at the 4th SERIES OF INTRODUCTORY WORKSHOP ON: Strategies to Enhance Research Visibility, Impact & Citations, Centre for Research Services, Institute of Research Management and Services (IPPP), University of Malaya. <https://dx.doi.org/10.6084/m9.figshare.4287710.v1>
3. Ale Ebrahim, N. (2016). *Essential steps to write a Bibliometric paper*. Paper presented at the Introductory workshop on "Procedure to write a Bibliometric paper", Meeting Room 14-4, Wisma R&D, University of Malaya, Kuala Lumpur, Malaysia. <https://dx.doi.org/10.6084/m9.figshare.4292927.v1>
4. Ale Ebrahim, N. (2016). *Online Repository: Extending Research Visibility, Readership, and Impact* Paper presented at the 4th SERIES OF INTRODUCTORY WORKSHOP ON: Strategies to Enhance Research Visibility, Impact & Citations. Retrieved from <https://dx.doi.org/10.6084/m9.figshare.4248950.v1>
5. Ale Ebrahim, N. (2016). *Create and maintain an up-to-date ResearcherID & ORCID profile*. Paper presented at the 4th SERIES OF INTRODUCTORY WORKSHOP ON: Strategies to Enhance Research Visibility, Impact & Citations. Retrieved from <https://dx.doi.org/10.6084/m9.figshare.4234619.v1>
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7. Ale Ebrahim, N. (2016). *Create a Google Scholar Profile to Increase Research Visibility*. Paper presented at the 4th SERIES OF INTRODUCTORY WORKSHOP ON: Strategies to Enhance Research Visibility, Impact & Citations. Retrieved from <https://dx.doi.org/10.6084/m9.figshare.4214274.v1>
8. Ale Ebrahim, N. (2016). *Kudos: Improving the Reachability and Research Impact*. Paper presented at the 4th SERIES OF INTRODUCTORY WORKSHOP ON: Strategies to Enhance Research Visibility, Impact & Citations. Retrieved from <https://dx.doi.org/10.6084/m9.figshare.4264964.v1>