

# Advanced Literature Searching

Professional Practice

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# Content

- What is a literature review?
- Where to start?
- Overview of what library catalogue can offer.
- Tips when searching the catalogue.
- Search strategy.
- Databases.
- Combining searches.
- Wildcards and truncation.
- Further searching and resources.



# Literature searching

A literature review is a critical part of academic writing which involves surveying scholarly or academic sources on a specific topic.

It provides an overview of current knowledge, allowing the identification of relevant theories, methods and gaps in the existing research.

Even if you do not need to include a literature review in your work, you will still need to explore the literature on your topic.



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# Working question for a research project

Start with a working question. You can change it as you explore and find further research (if your research proposal has not already been submitted and accepted).

- It should be specific and achievable:
  - Not too broad or too narrow.
  - Current but not too current - enough information available to draw on existing research.
  - Be available to you (language, paywalls etc).

Your word count and assignment brief will determine the scope of your research.

**Literature Review**



# Where to start...

- Familiarise yourself with your topic and previous research.
- Perform a **scoping/ preliminary search**.
- This will allow you to identify articles, journals and key authors on your topic.
- Note any key terminology, phrases, ideas you find.
- Complete the [Advanced Searching unit](#) in the [Finding and Using Information](#) course on [Moodle](#).

| Unit 1:<br>Identifying Information                                                                                                  | Unit 2:<br>Searching for information | Unit 3:<br>Advanced Searching | Unit 4:<br>Evaluating Information |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------|-----------------------------------|
| This unit is comprised of 5 sections that will introduce you to the more advanced search strategies you might use in your research. |                                      |                               |                                   |
| Section 1: Further searching techniques                                                                                             |                                      |                               |                                   |
| Section 2: Google and Google Scholar                                                                                                |                                      |                               |                                   |
| Section 3: Literature reviews                                                                                                       |                                      |                               |                                   |



# Evaluating Information

**Consider** the source and quality of the information you are using.

**Apply** critical thinking and reasoning using one of the following tests:

**C**urrency

**R**elevance

**A**uthority

**A**ccuracy

**P**urpose

[CRAAP](#) (video)

**S**top

**I**nvestigate

**F**ind better coverage

**T**race back to original context.

[SIFT](#) (video)

**A**ccurate

**C**urrent

**O**bjective

**R**elevant

**N**amed

[ACORN](#) (article and video)

Evaluating Information



# Library Discovery Tool

Use the library discovery tool to search across our collections.

## Library & Learning Resources

Search our collections

[Advanced Search](#)



## Important to note:

Not all subscribed collections and databases are searchable by this method. Some [specialised databases](#) will need to be searched individually. You can find out more in the [‘finding and using specialised information’](#) section in Moodle.

[Searching for information](#)



<https://digitalservices.uwtsd.ac.uk/library>



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[library@uwtsd.ac.uk](mailto:library@uwtsd.ac.uk)

# Library search

**New AI Research Assistant**

**Top ribbon to explore individual data-bases, journals and resources.**

**Basic search**

**Drop down menus to search source type ,e.g. journals, articles etc.**

**Browse recent additions.**

**Sign in to access full resources.**

**Advanced search.**

**Links to library essentials and further tutorials.**

**Contact details.**

**Chat**

The screenshot shows the UWTSD Library search homepage. At the top is a navigation ribbon with links: Research Assistant (with a BETA badge), New Search, Online Resource Lists, Browse eJournals, Database Search, Newspaper Search, and a menu icon. Below this is a search bar with the placeholder 'Search anything' and a dropdown menu currently set to 'All items'. To the right of the search bar is a link to 'ADVANCED SEARCH'. Below the search bar is a yellow banner that says 'Sign in to get complete results and to request items' with a 'Sign in' button and a 'DISMISS' link. The main content area is divided into two columns. The left column has a section 'New Books @UWTSD' featuring three book covers: 'DIVERSE VOICES IN TORT LAW', 'SEARCHING FOR CLASSICAL CONFUCIAN THOUGHTS', and 'A Day in the Life of a Welshman'. Below this is a section 'Library Resources' with text about the catalogue and a 'Sign in' button. The right column has a section 'Library Essentials' with links to 'Library Website', 'Using our Libraries', 'Troubleshooting', 'Getting Started Guides', 'InfoSkills Tutorials', 'Need More? Service', 'Click & Sit: book a study space', and 'Password Reset (Libraries Together & SCONUL Access users)'. Below this is a 'Contact Us' section with links to 'Chat with us live on Library Chat', 'Book an Appointment', 'library@uwtsd.ac.uk | More Contacts', and 'Diversity Collection Development: recommend a'. At the bottom right of the page is a green circular chat button with a white envelope icon.

[Library search](#)

[Library](#)

# Explore options in the record

Subject headings are  
hyperlinked and can lead  
to different results.

[Link](#)





ARTICLE

**The relationship between [emotional intelligence](#), transformational [leadership](#), and performance: a test of the mediating role of job satisfaction**

Alwali, Joather ; Alwali, Wafaa

Bradford: Emerald Publishing Limited; [Leadership & organization development journal](#), 2022-08, Vol.43 (6), p.928-952

PEER REVIEWED

[Insights](#)

[Download Article](#) [Online access](#)

[View Issue Contents](#)

Is Part Of Subjects

[Leadership & organization development journal](#), 2022-08, Vol.43 (6), p.928-952

- [Attitudes](#)
- [Behavior](#)
- [Emotional intelligence](#)
- [Emotions](#)
- [Employees](#)
- [Employment](#)
- [Health Care Sector](#)
- [Hospitals](#)
- [Job satisfaction](#)
- [Labor turnover](#)
- [Leadership](#)
- [Personnel management](#)
- [Physicians](#)
- [Transformational leadership](#)
- [Work environment](#)

**Further Searching Techniques**



# Phrase Searching & Terminology

”

“

Consider different terminology that may be used.

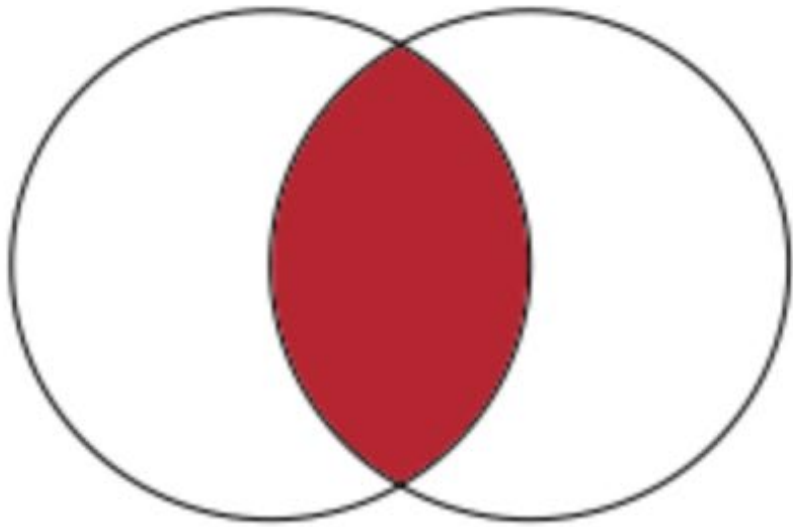
- **Alternative words:** Synonyms / Antonyms
- **Phrase searching:** Search for a phrase in quotations “emotional intelligence”
- **Subject searching:** Controlled vocabulary



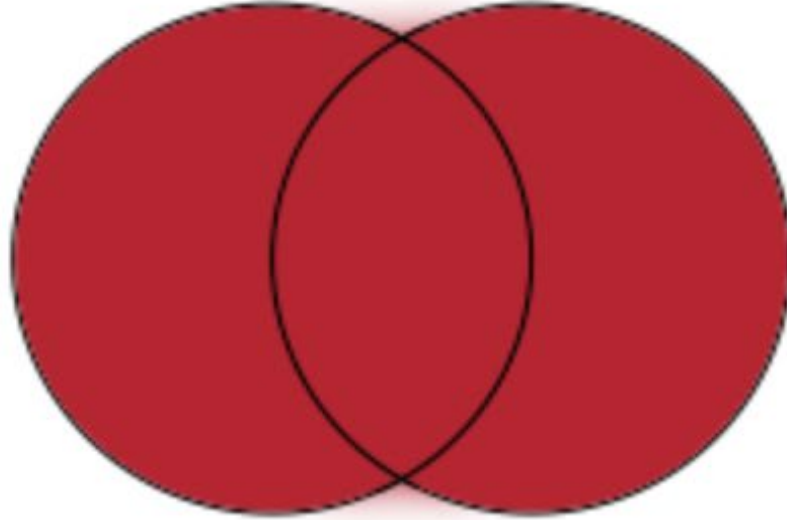
# Truncation and Wildcards

- **Wildcards:** Locate alternative (American) spellings. E.g. Organi?ation will find organisation / organization (check the individual database to confirm which symbol they use, e.g. #?\*).
- **Truncation:** Employ\* will find employ, employee, employer, employment.
- **Parenthesis ( ):** Use brackets to group terms together and determine the order of the search. E.g. (leadership OR Management) AND “well-being” will return results which contain either ‘leadership’ or ‘management’ and ‘well-being’.

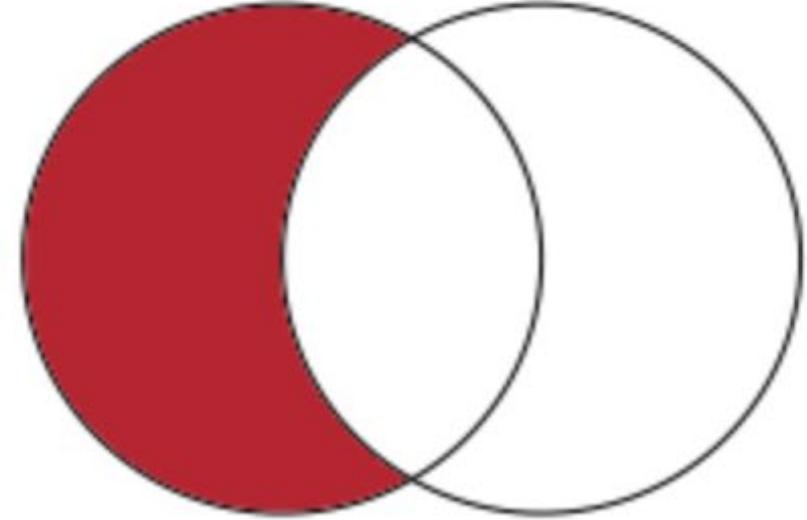




AND



OR



NOT

Boolean Operators allow you to **combine your keywords** to narrow or broaden your search.

- **AND**: narrows your search by only giving results where **ALL** your search terms are present.
- **OR**: broadens your search where **ANY** of your search terms are present.
- **NOT**: Excludes specific terms

[Further Searching Techniques](#)

# Also try...

Asking an AI tool, e.g. Perplexity or Co-Pilot to:

- Provide a list of keywords to use in a library database search.
- Create a Boolean search string with those keywords.

[Perplexity example](#)

## Combined multi-line search examples

You can build structured searches (often using separate lines/sets in databases):

- Line 1 – leadership:
  - (leadership OR "leadership style\*" OR "management style" OR "managerial style" OR "transformational leadership" OR "authentic leadership" OR "servant leadership" OR "sustainable leadership" OR "health-oriented leadership" OR "supportive leadership")
- Line 2 – employee wellbeing:
  - ("employee wellbeing" OR "worker wellbeing" OR "staff wellbeing" OR "psychological wellbeing" OR "job satisfaction" OR "work engagement" OR burnout OR "emotional exhaustion" OR "work-related stress" OR "mental health" OR "work-life balance" OR "staff engagement")
- Line 3 – health sector:
  - ("healthcare worker\*" OR "health personnel" OR "healthcare staff" OR "hospital staff" OR "NHS staff" OR nurs\* OR clinician\* OR "allied health professional\*" OR "primary care" OR "acute hospital\*" OR "mental health service\*")
- Line 4 – UK limiter:
  - (UK OR "United Kingdom" OR "Great Britain" OR England OR Scotland OR Wales OR "Northern Ireland" OR "National Health Service" OR NHS)



# Advanced Search

- Use Boolean Operators.
- Try truncation.
- Apply phrase searching.
- Experiment with drop down options.
- Use filters to refine.



Use your phone to scan the QR code

SEARCH CRITERIA

BARCODE SEARCH

Search Scope: Search everything

Search Filters

Subject contains "emotional intelligence"

AND Title contains leader\*

+ ADD A NEW LINE

CLEAR

Material Type

All items

Language

Any language

Start Date:

Day Month Start Year

End Date:

Day Month End Year

→ Subject contains "emotional intelligence" AND Title contains leader\* 

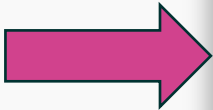
SEARCH

[Link](#)



# Explore...

Check out the filters and note which databases and journals are hosting the articles and results.



**Collection ^**  
Business Source Complete (144)  
DOAJ Directory of Open Access Journals (200)  
EBSCOhost Academic Search Premier (99)  
EBSCOhost Education Source (92)  
Elsevier ScienceDirect Journals Complete (22)  
[Show More](#)

**Journal Title ^**  
Leadership Excellence (28)  
Bmj Leader (22)  
Educational Leadership (19)  
Physician Leadership Journal (17)  
Business World (16)  
[Show More](#)

**Subject ^**  
Emotional Intelligence (815)  
Leadership (595)  
Emotions (266)  
Social Sciences (242)  
Employees (168)  
[Show More](#)

Export your search into Google Scholar



**Find it @... ^**  
 Google Scholar

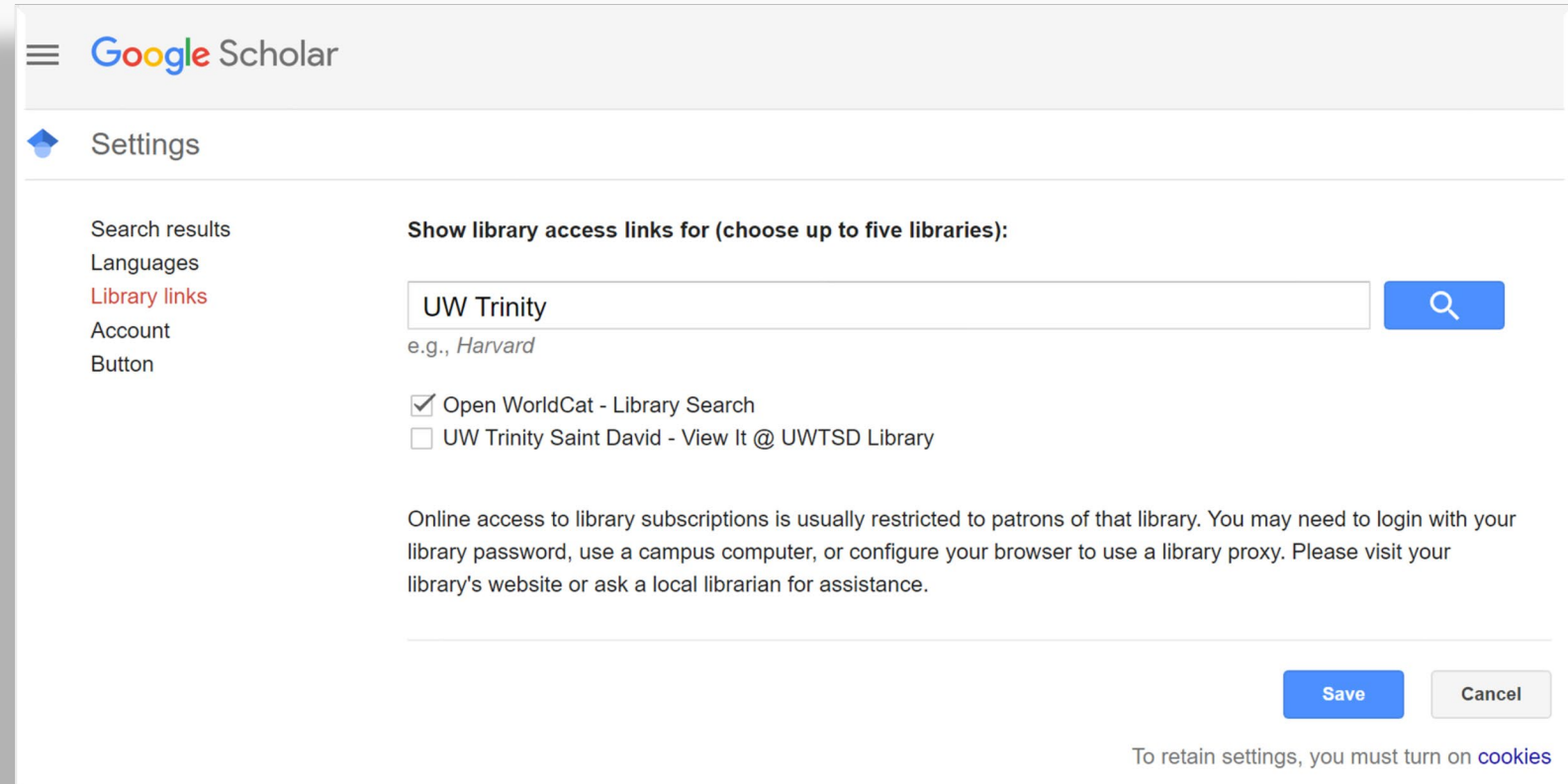
[Google Scholar result](#)



# Linking Google Scholar

## Google Scholar

- Search for Google Scholar
- Click on site
- Click on 3 lines (top left of page)
- Choose settings
- Click library links
- Type in UW Trinity
- Click search
- Tick the box with View it @ UWTSD
- Save



The screenshot shows the Google Scholar Settings page. On the left is a sidebar with links: Search results, Languages, Library links (highlighted in red), Account, and Button. The main content area is titled 'Settings' and features a section 'Show library access links for (choose up to five libraries):'. Below this is a search input field containing 'UW Trinity' and a magnifying glass icon. Below the input field, it says 'e.g., Harvard'. There are two checkboxes: 'Open WorldCat - Library Search' (checked) and 'UW Trinity Saint David - View It @ UWTSD Library' (unchecked). A paragraph of text explains that online access to library subscriptions is usually restricted to patrons of that library and provides instructions on how to access them. At the bottom right are 'Save' and 'Cancel' buttons. A footer note states: 'To retain settings, you must turn on cookies'.

[Searching the internet](#)



<https://digitalservices.uwtsd.ac.uk/library>



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# LibKey Nomad

## LibKey Nomad:

- Automatically provides full-text access to journal articles and eBooks subscribed to by UWTSD or open access alternatives while you are carrying out your research on the web.
- It is pre-installed on UWTSD devices.

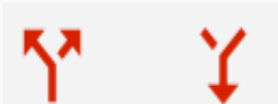
[Library :Resources for Research](#)

The screenshot displays the LibKey Nomad search results page. At the top, there are buttons for 'Save', 'Email', and 'Send to', along with 'Sorted by: Best match' and 'Display options'. The search results are for 'hyperthyroidism', showing 53,667 results. A 'RESULTS BY YEAR' chart shows a significant increase in publications starting around 2010. On the left, there are filters for 'TEXT AVAILABILITY' (Abstract, Free full text, Full text) and 'ARTICLE TYPE' (Books and Documents, Clinical Trial, Analysis, Randomized Controlled Trial). The main results list includes two entries: 1. 'Atrial fibrillation and hyperthyroidism: A literature review.' by Reddy V, Taha W, Kundumadam S, Khan M. (Indian Heart J. 2017 Jul-Aug;69(4):545-550. doi: 10.1016/j.ihj.2017.07.004. Epub 2017 Jul 5. PMID: 28822529). 2. '2016 American Thyroid Association Guidelines for Diagnosis and Management of Hyperthyroidism and Other Causes of Thyrotoxicosis.' by Ross DS, Burch HB, Cooper DS, Greenlee MC, Laurberg P, Maia AL, Rivkees SA, Samuels M, Sosa JA, Stan MN, Walter MA. (Thyroid. 2016 Oct;26(10):1343-1421. doi: 10.1089/thy.2016.0229. PMID: 27521067). Both entries have 'Download PDF' buttons. A 'Provided by' badge for the University of Wales Trinity Saint David is visible in the bottom left corner of the interface.



# Tips

**Finding a relevant article / book can lead to many more resources.**

- **Note** key words / concepts / terminology used in articles found.
- **Check** cited in and cited by 
- **Locate** key databases, journals and authors.
- **Explore** subject headings (SH) : Check out SH below the bibliographic details in the catalogue record.
- **Use** filters: date, location, type of resource.

# Discovery search or individual databases?

The library catalogue searches most of our databases when it performs a search, so why choose to search an individual database?

- More specialised content – fewer, more relevant results
- More controlled indexing – filter results in greater detail



**Using specialised information**



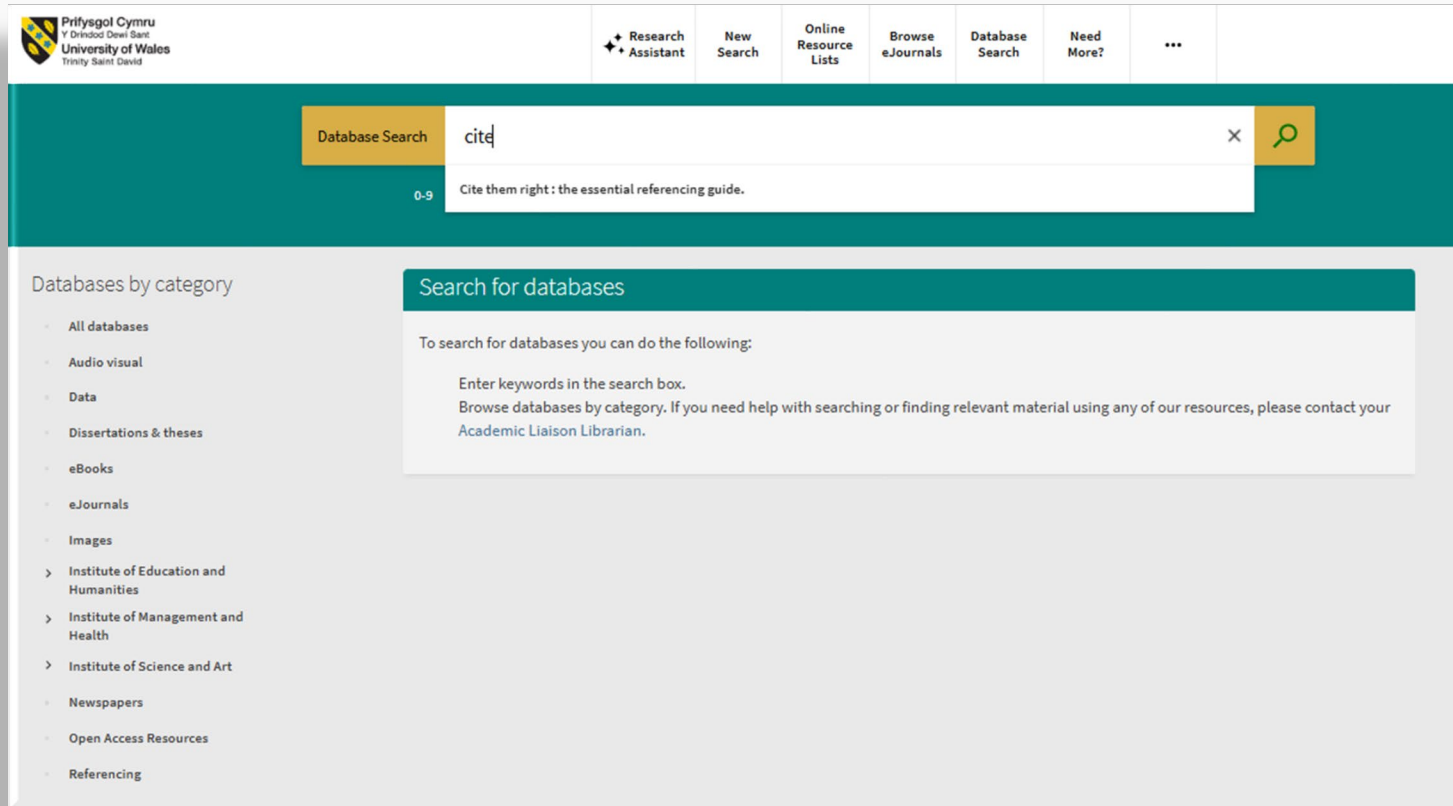
# Explore...

- Record which databases, journals, websites etc, host the information you find.
- Repeat your search strategy in individual databases.
- Try some of the following databases (**note: It will depend on your research question**).
  - Explore the A-Z database list in the library catalogue to find the best databases for your topic.
  - **YOU** must decide which databases to search and what keywords to use.
  - Look out for **peer-reviewed** journal articles.
  - Searching multiple databases avoids publication bias or geographical bias.
  - Use the extensive filters to expand and refine your results.

**Further Searching Techniques**



# Databases



[Link](#)

Examples include:

[Academic Search Premier](#)  
[Business Source Complete](#)  
[ABI/Inform](#)  
[ProQuest Central](#)  
[Wiley Online Cochrane](#)

Audio visual databases include:  
[Henry Stewart Talks](#)  
[Box of Broadcasts](#)



# Useful links and resources

## PROQUEST Database

- [Advanced search video](#) (6min)
- [Working with your results video](#) (4min)
- [Thesaurus search video](#) (5 min)
- [ProQuest Libguide](#)

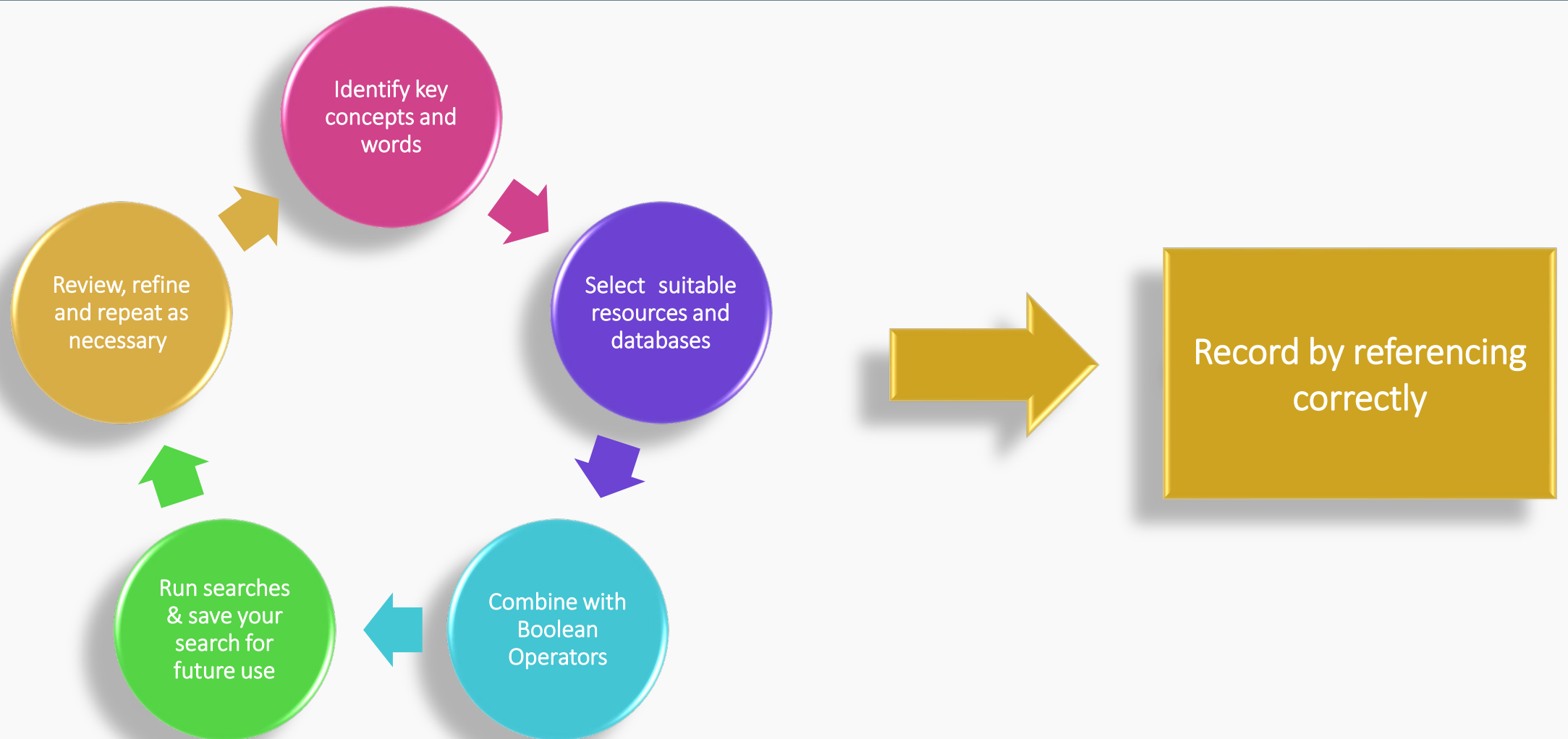
## Box of Broadcasts (BoB)

[How to video guides](#)

## EBSCOhost Databases

- [Introduction to EBSCO](#) (5min)
- [Help for individual databases within EBSCO](#)
- [EBSCO videos \(select language and primary audience - students and researchers\) and apply](#)
- [Business searching in EBSCO](#)

# Summary



# Need help identifying a topic?

Try the new 'AI Research Tool' in the library catalogue.

Main menu bar in library catalogue.

Start new topic.

Search with filters

Search history.

The screenshot shows the Primo Research Assistant interface. A pink arrow points from the 'Main menu bar in library catalogue' text to the 'Research Assistant BETA' link in the top navigation bar. Another pink arrow points from the 'Start new topic.' text to the 'Start a new topic' button. A third pink arrow points from the 'Search with filters' text to the search input field and filter dropdowns. A fourth pink arrow points from the 'Search history.' text to the 'Research history' section on the left sidebar. The interface includes a search bar with the placeholder 'What is your research question?', filter dropdowns for 'All types' and 'All dates', and a section for 'Example questions' with several suggested queries.

**N.B. You must sign into the library to use.**

# What it searches...

**It searches across the Central Discovery Index (CDI) in the library.**

- The CDI contains over 5 billion records and from thousands of sources available not only our catalogue but other institutions c and open access databases. **Note: You will only have full access to those which are free to view or subscribed to by us.**
- It only searches those databases which have given their permission to be included in the search or are compatible. This means **some of our databases are not included in the search.**
- **You will need to search all relevant databases to ensure a comprehensive search of the literature.**

**Further Searching Techniques**



# Primo Research Assistant tool

## How does leadership affect employee well-being

### Sources

#### 1 ARTICLE

Leadership styles and work stress: the role of workplace climate and feelings of entrapment

Aslan, Mustafa et al. 2025

#### 2 ARTICLE

The impact of leadership on employee well-being: on-site compared to working from home

Lundqvist, Daniel et al. 2022

#### 3 ARTICLE

Health-oriented leadership, gender-differences and job satisfaction: results from a representative population-based study in Germany

Lutz, Regina et al. 2023

#### 4 ARTICLE

The Consequence of Unethical Leader Behavior to Employee Well-Being: Does Support from the Organization Mitigate or Exacerbate the Stress...

Hetrick, Andrea L. et al. 2022

#### 5 ARTICLE

Mental health matters: individual, organizational and leadership dynamics on employee mental wellness through organizational...

Mehta, Mita et al. 2025



**View more results** from your library search

- Use the tool to help locate academic sources, find key words, terms and studies.
- Do not use the Generative AI summary in your work!
- You must sign in to use.

<https://digitalservices.uwtsd.ac.uk/library/>

# Grey Literature

Includes a wide range of information found outside of library databases.

Can provide useful statistics, information, opinion and case studies.

Not typically peer-reviewed.

Sources can include:

- Government information and legislation.
- Non-governmental organisations (NGO's) e.g. WHO.
- Professional bodies.
- Charities.

[Searching the internet](https://digitalservices.uwtsd.ac.uk/library)



# To google or not to google?

You can use conventional web-based engines such as Google to find grey literature. AI tools can also aid your discovery of sources.

**Domain searching** – add to Google search:

[site:ac.uk](#) (Academic)

[site:gov.uk](#) (UK government)

[site:wales](#)

[site:cymru](#)

[site:nhs.uk](#) (National Health Service)

**Further Google Tips:**

- [Explore Karen Blakeman's Google commands.](#)

[Searching the internet](#)



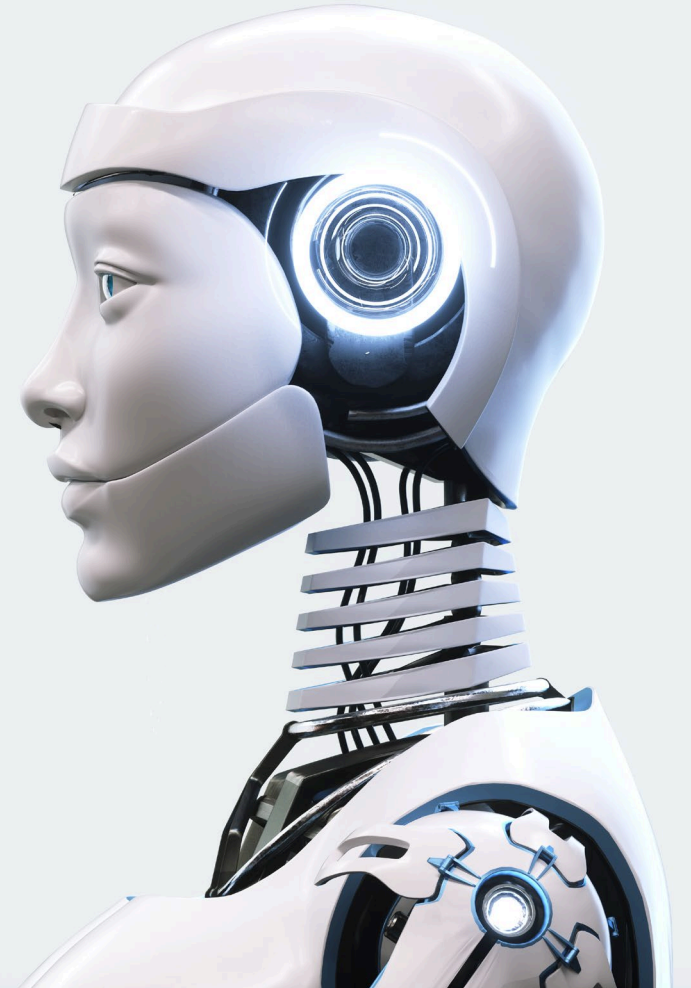
# Artificial Intelligence (AI)

Know the difference between **AI enhanced** tools and **Generative AI** tools! Note: Many contain both! Be aware of the ethics and bias.

UWTSD guidance distinguishes between two categories of AI use:

1. **General Allowable Uses of AI** – applicable to all assignments and modules.
2. **Assignment-Specific Uses of AI** – determined on your assignment brief.

**Generative AI**



# General allowable use includes...

## Creating a Bibliography

- Using AI tools to help identify relevant books, articles, and online resources for their topic. Examples include the *UWTSD Online Library's AI Research Assistant Primo* or *SciSpace*.

## Note Organisation:

- Using AI tools to store and interlink notes, create mind maps, and tag resources or ideas. For example, the note organisation tool *Obsidian*. Note: You also have access to OneNote via your O365 account.

## Citation Formatting:

- Using AI tools to manage references and format citations and bibliographies, such as *RefWorks*.

## Basic Proofreading:

- Using integrated tools like *Microsoft Editor*, or specialised tools such as *Grammarly* (**excluding** the Grammarly Generative AI Assistant) to check grammar, spelling, and readability.

**Always check** your assignment brief and with your tutor to confirm if and what use of AI is permitted!



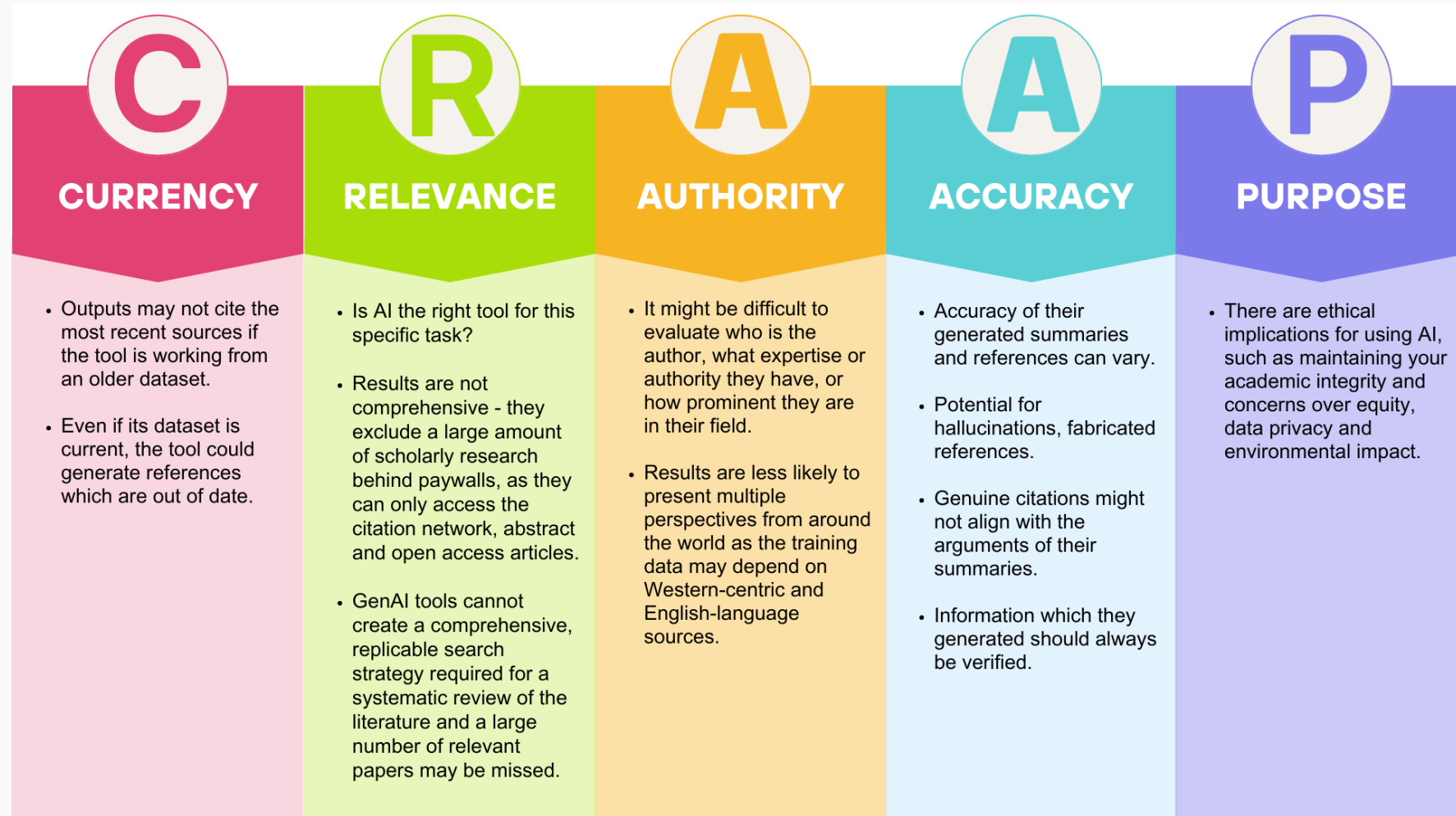
# Good academic practice

If **permitted**, demonstrate good academic practice by...

- **Using AI tools effectively, critically, ethically** and within permitted guidelines.
- **Being aware of limitations**, e.g. accountability, inaccuracy, bias, unintentional plagiarism, over reliance.
- **Acknowledging** any AI use (indicated on assignment brief).
- **Completing** the AI sections in infoskills.
- **Evaluating all generated text and tools** critically. Use the following AI CRAAP tool:



# AI CRAAP Test



**Generative AI**

Adapted and reproduced with kind permission from [Bristol University Library](https://bristol.ac.uk/library/).



# Evaluating articles critically: Things to look out for

- Is it Peer-Reviewed?
- Does it contain stated research questions?
- How recent is it? What dates are shown on the references?
- Does it have a lot of references?
- Is it objective?
- Some databases will have records of Downloads, Shares, and how often it's been cited by others e.g. Springer, Science Direct, Google Scholar.



# When searching for information ...

Plan your search strategy – keywords and phrases

Understand the content of each source

Sign in to enhance results and functionality – save searches, set alerts

Filter and refine your results

Be flexible - use information found in your results to do further searches

Organise your information

Look at Help pages for guidance and tips



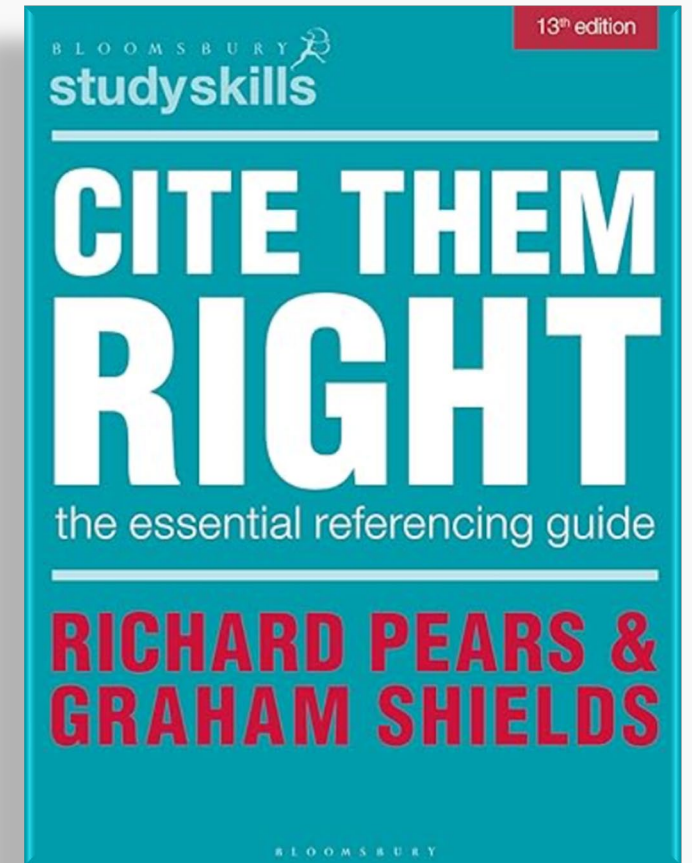
# Need More?

If we don't have what you need,  
you can request it via our  
[NeedMore](#) Service.



# Harvard Referencing Style

- There are many different styles of referencing.
- We use Harvard Referencing, following the **Cite Them Right 13th edition**.
- [Database](#) available through the library.
- Further support and guidance found in [Infoskills](#) on Library website and [Moodle](#)







Prifysgol Cymru  
Y Drindod Dewi Sant  
University of Wales  
Trinity Saint David



<https://digitalservices.uwtsd.ac.uk/library>



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