



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



Online Library Research Skills

MADE students

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www.uwtsd.ac.uk/library



@UWTSDlib



library@uwtsd.ac.uk

This session will cover

- What services and support the library provides
- What resources we provide access to via the library website
- How to effectively use the academic databases
- How to access video content in BoB and Academic Video Online
- Open Access Resources
- How to evaluate resources - RADAR

Support the library provides

- Each Institute has a dedicated librarian who provides library research support for students in classes or one to one
- We provide advice in other areas such as copyright, referencing, Open Access resources and accessibility
- We work with academic staff to create Online Resource Lists for your modules to enable you to directly access library and other materials recommended by your tutors



Resources the library provides

Via the library webpages

- The library subscribes to and provides access to academic resources that are not freely available on the internet
- These resources are curated, so you know that they are accurate, up to date, and suitable for your studies
- We have reciprocal arrangements with other libraries and institutions to provide access to resources for students and staff that we may not subscribe or stock

From your phone/tablet/pc

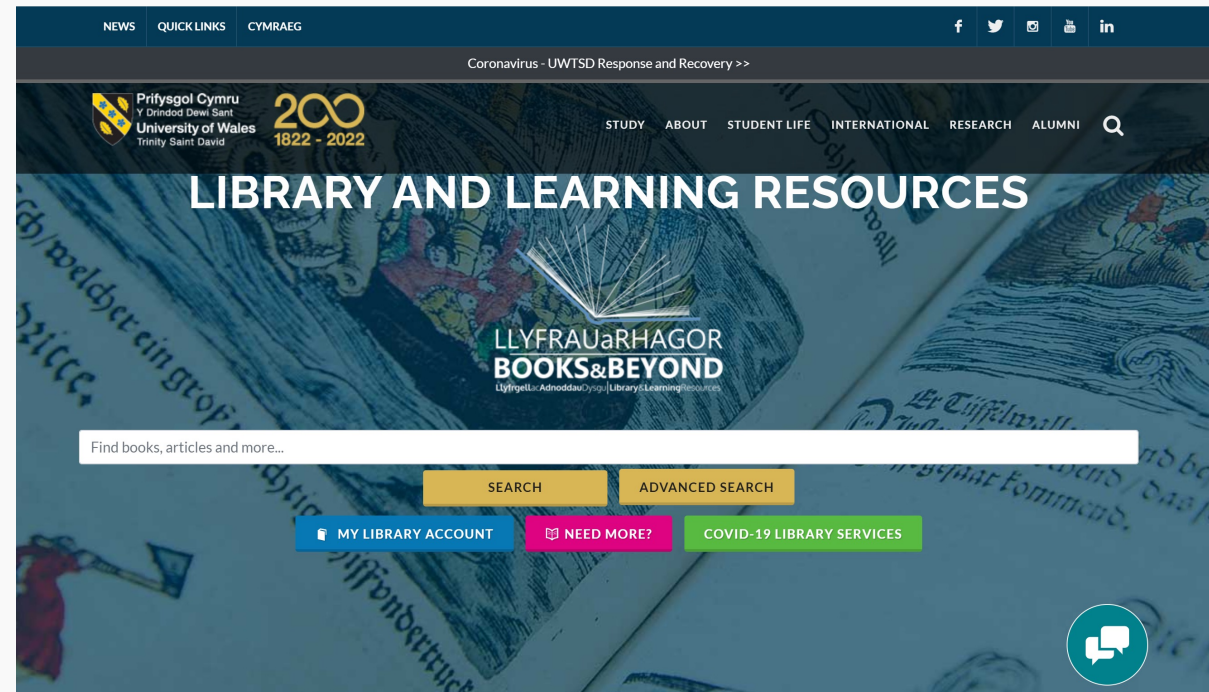


From the library webpage

From here you can access:

- The Library Search function
- Your library account
- The NeedMore? service
- Student Essentials
- Referencing guidance
- Infoskills programme
- Online Resource lists
- Contact information

The [library webpage](#)

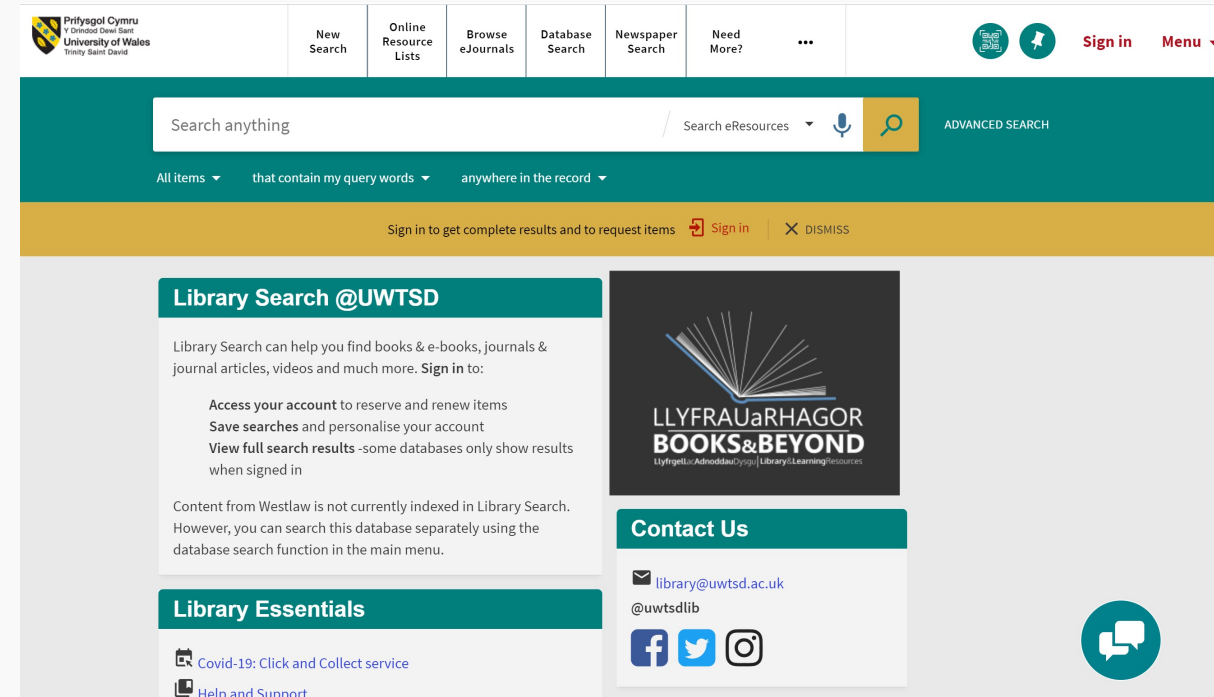


The Library Search

What you can access via the Library Search

- All four UWTSD libraries
- Ebook collections
- Academic journal databases
- Open Access resources
- Images
- Dissertations
- Video resources

[Library Search](#) default is to search eResources

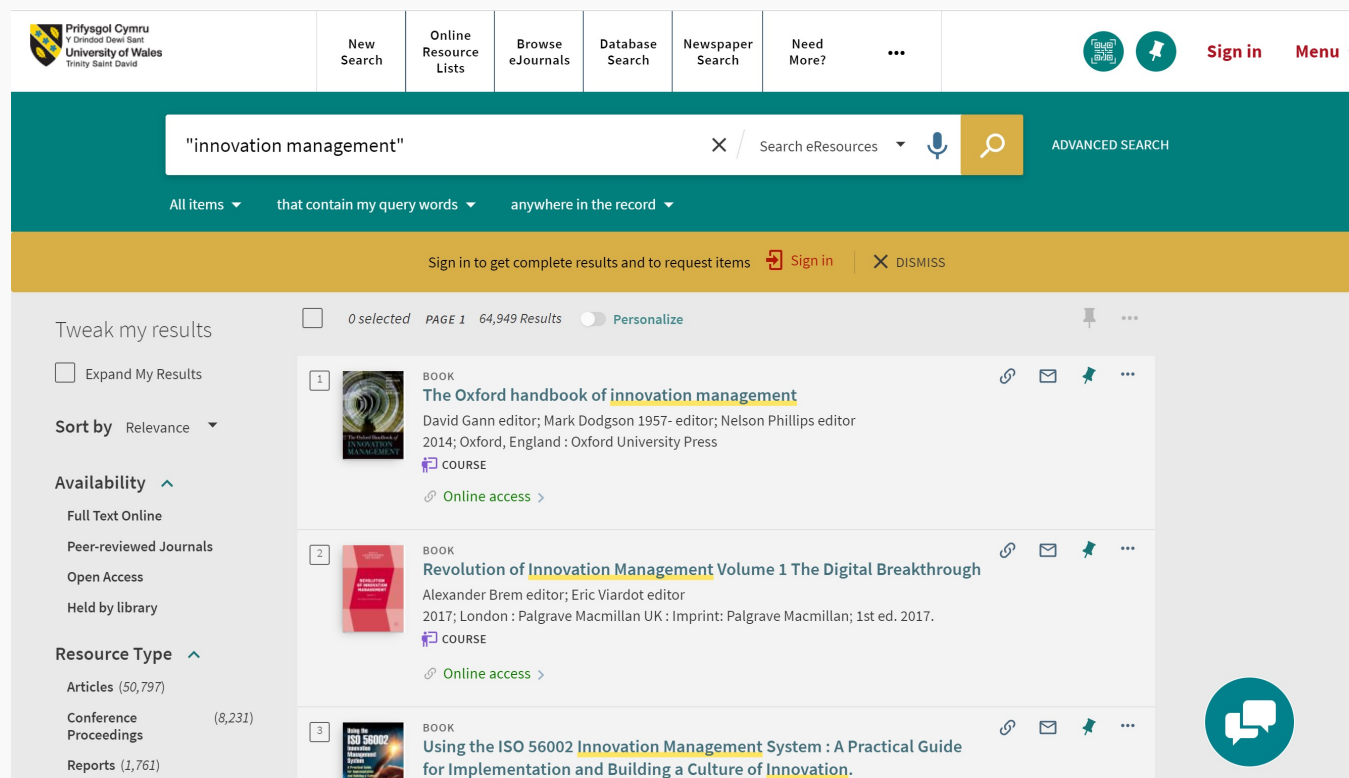


Navigating the Library Search

Tabs across the top allow you to search, access your Online Resource Lists, Browzine, and the Databases

Use the options on the left to refine and filter your results by:

- Full text
- Peer-reviewed
- Resource type
- Date
- Subject



- Sign in to access your account
- Link, email, print and pin resources in your saved items the resources, or send to RefWorks
- Red arrows – these will give you other sources citing this article, or sources cited in this article

[Library Search](#)

Accessing peer-reviewed articles

Example of a search limited to:

- Peer-reviewed Journals
- Articles
- Years 2016-2022
- Full Text Online

[Peer-reviewed articles](#)

The screenshot shows the library's search interface. At the top, the University of Wales Trinity Saint David logo is on the left, and navigation links (New Search, Online Resource Lists, Browse eJournals, Database Search, Newspaper Search, Need More?, ...) are in the center. On the right are icons for a database, a pin, and links for 'Sign in' and 'Menu'. Below this is a large teal search bar containing the query '"industry 4.0"'. To the right of the search bar are icons for a search filter, a microphone, and a magnifying glass, followed by a link to 'ADVANCED SEARCH'. Below the search bar, there are three dropdown menus: 'All items', 'that contain my query words', and 'anywhere in the record'. A yellow banner below the search bar contains the text 'Sign in to get complete results and to request items' with a 'Sign in' link and a 'DISMISS' button. The main results area shows '0 selected', 'PAGE 1', '12,898 Results', and a 'Personalize' button. On the left, under 'Active filters', there are four filter buttons: 'Peer-reviewed Journals', 'Articles', 'Years: 2016-2022', and 'Full Text Online'. Below these are links for 'Remember all filters' and 'Reset filters'. Under 'Tweak my results', there is a link for 'Expand My Results'. At the bottom left, there is a 'Sort by' dropdown set to 'Relevance' and an 'Availability' link. The search results list two articles. The first article is titled 'Industry 4.0: Smart Scheduling' by Rossit, Daniel Alejandro; Tohmé, Fernando; Frutos, Mariano, published by Taylor & Francis in the International journal of production research, 2019-06-18, Vol.57 (12), p.3802-3813. It is marked as 'PEER REVIEWED' and 'OPEN ACCESS'. The second article is titled 'Industry 4.0: a supply chain innovation perspective' by Hahn, Gerd J, published by Taylor & Francis in the International journal of production research, 2020-03-03, Vol.58 (5), p.1425-1441. It is marked as 'PEER REVIEWED' and 'OPEN ACCESS'. Both articles have a 'Read Article' link and a 'Full text available' link. A chat icon is visible in the bottom right corner of the results area.

Know your way around an online article

Create your own account the database and save your research

Read the abstract to decide if the article is useful for you

Everything in blue is a hyperlink – link to the author, journal, keywords to start a new search

The screenshot shows a ProQuest article page. At the top, the ProQuest logo and 'University of Wales Trinity St. David' are visible. Below the header, there are navigation tabs: Basic Search, Advanced Search, Publications, Browse, and Databases (11). The article title is 'Exploring Industry 4.0 technologies to enable circular economy practices in a manufacturing context: A business model proposal'. Below the title, the authors are listed: Mattos Nascimento, Daniel Luiz; Alencastro, Viviam; Osvaldo Luiz Gonçalves Quelhas; Rodrigo Goyannes; and Gusmão Caiado; Garza-Reyes, Jose Arturo; et al. The journal is 'Journal of Manufacturing Technology Management', Volume 30, Issue 3, (2019), pages 607-627. The DOI is 10.1108/JMTM-03-2018-0071. On the right side of the article title, there are icons for Download PDF, Cite, Email, Print, and All Options. Below the article information, there are tabs for Full text, Full text - PDF, Abstract/Details, and References (77). The Abstract section is currently selected. The abstract text states: 'The purpose of this paper is to explore how rising technologies from Industry 4.0 can be integrated with circular economy (CE) practices to establish a business model that reuses and recycles wasted material such as scrap metal or e-waste.' Below the abstract, there is a section for Design/methodology/approach, which describes a qualitative research method deployed in three stages. On the right side of the page, there is a search bar and a list of related items, including 'University of Wales Trinity Saint David', 'UWTSD Library and Learning Resources', 'Cited by (4) Documents with shared references (19057)', and 'Related items' with a link to 'Three stage maturity model in SMEs toward industry 4.0'.

Use the tools on the right to download PDF, cite, email the article or print it and other options

Links to documents with shared references may also be relevant to you

Related items will link to similar articles

[Proquest article](#)



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Access ebooks via the catalogue

Example of a search limited to:

- Search eResources
- Full Text Online
- Books

[“industry 4.0” books](#)

The screenshot shows the library catalogue interface for Prifysgol Cymru Y Drindod Dewi Sant (University of Wales Trinity Saint David). The search query is "industry 4.0". The results are filtered to show only "Full Text Online" and "Books". Three results are displayed:

- BOOK**
Industry 4.0 : Current Status and Future Trends
2020; IntechOpen
[Online access >](#)
- BOOK**
Industry 4.0 for SMEs Challenges, Opportunities and Requirements
Dominik T Matt editor; Vladimír Modrák editor; Helmut Zsifkovits editor
2020; Cham : Springer International Publishing : Imprint: Palgrave Macmillan; 1st ed. 2020.
[PDF >](#)
[Online access >](#)
- BOOK**
Fit for Industry 4.0 : Innovative Learning and Teaching for Digitalization and Automation (Volume 60)
2021; wbv Media

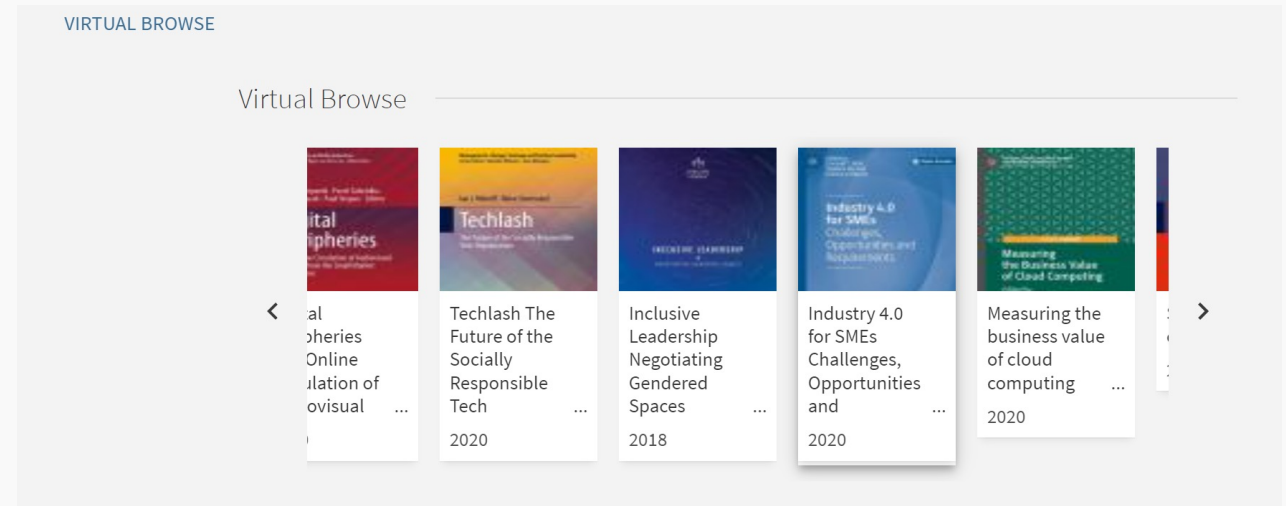
The left sidebar shows active filters: "Full Text Online" and "Books". It also includes options to "Remember all filters", "Reset filters", "Tweak my results", "Expand My Results", "Sort by Relevance", "Availability" (Open Access), and "Subject" (Management, 32 results).

Information in a book record

Information in each item record includes

- Where the book is held
- The shelfmark
- How to request it if it's on loan
- Bibliographic details of the book
- Virtual browse of other books in stock at the same shelfmark
- Details of other books on the same Online Resource list

Record of the book: 'Industry 4.0 for SMEs Challenges, Opportunities and Requirements'



[Book record](#)

Access ejournals via the catalogue

Example of a search limited to:

- Search eResources
- Peer-reviewed Journals
- Journals

"innovation management" ejournals

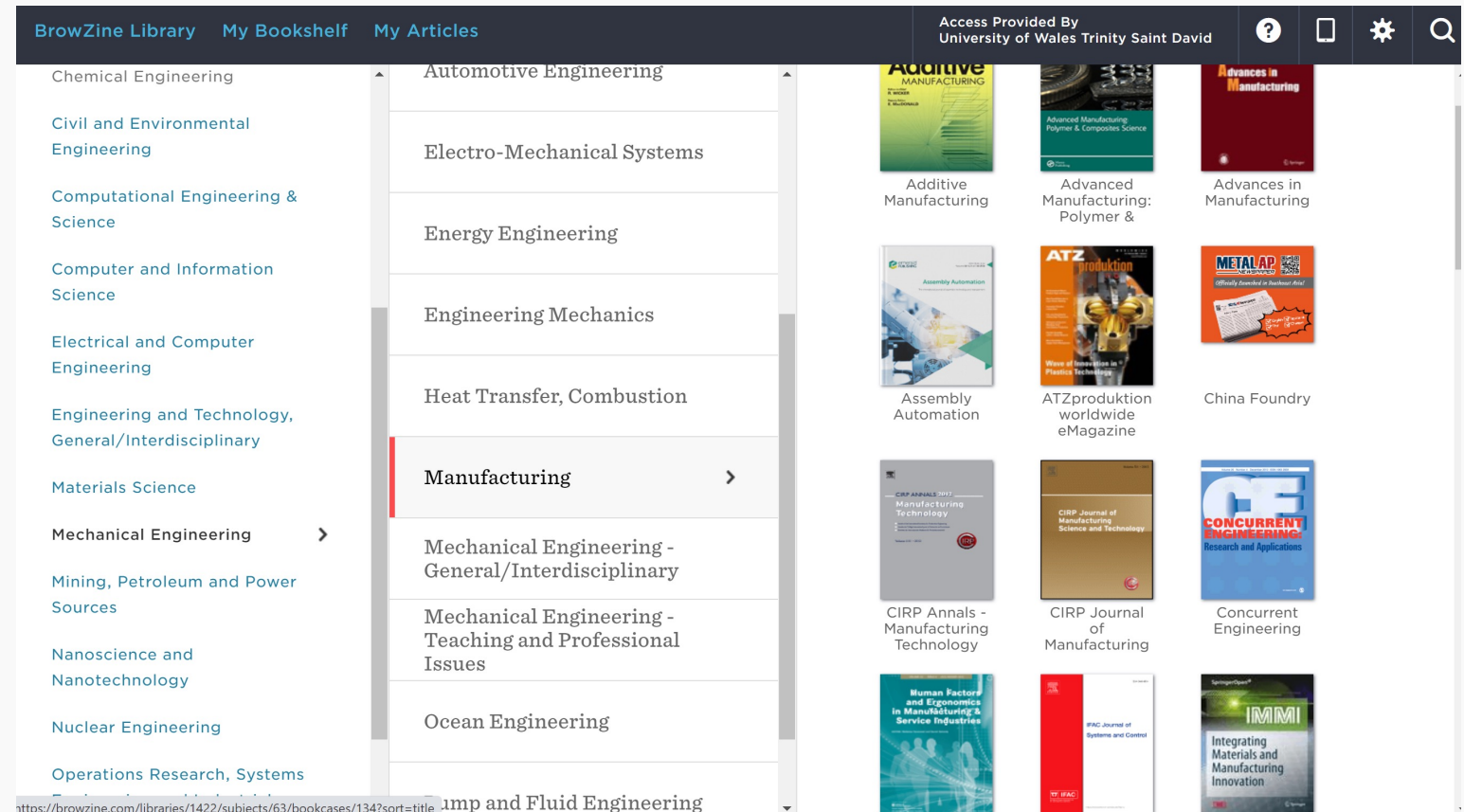
The screenshot shows a library catalogue search results page. The search query is "innovation management". The results are filtered to show "Peer-reviewed Journals". The first three results are:

- JOURNAL**
Journal of product innovation management
Product Development & Management Association.
c1984-; New York, NY : Elsevier Science Pub.; Vol. 1, no. 1 (Jan. 1984)-
PEER REVIEWED COURSE
Online access >
View Journal Contents >
- JOURNAL**
Creativity and innovation management.
1992; Oxford : Blackwell Publishers; Print began in 1992.
PEER REVIEWED COURSE
Online access >
View Journal Contents >
- JOURNAL**
Innovation & management review.
Universidade de São Paulo. Faculdade de Economia, Administração e Contabilidade, issuing body.
2018-; São Paulo, Brazil : +Published by Emerald on behalf of Universidade de São Paulo.; Began with:
Volume 15, issue 1 (2018).
PEER REVIEWED OPEN ACCESS COURSE

The left sidebar shows active filters: "Peer-reviewed Journals" and "Journals". It also includes options to "Remember all filters", "Reset filters", "Tweak my results", "Expand My Results", "Sort by Relevance", "Availability" (Full Text Online, Open Access), and "Subject" (Electronic Journals (15), Periodicals (15)).

Browse ejournals - Browzine

- Search by journal title
- Browse by subject
- Keep up-to-date with the latest issue
- Create an account and stock your own shelf with your favourite titles



[Browzine](https://browzine.com/libraries/1422/subjects/63/bookcases/134?sort=title)

Also search for individual ejournals

Put in Technovation

The screenshot shows the BrowZine Library interface. At the top, there are navigation links: "BrowZine Library", "My Bookshelf", and "My Articles". Below these, it says "Access Provided By University of Wales Trinity Saint David". The main search area has a header "ACCESS PROVIDED BY" with the University of Wales Trinity Saint David logo. Below this is a search bar with the text "FIND JOURNAL BY TITLE, SUBJECT, OR ISSN" and a search button. The search results show "TECHNOVATION" as the selected journal. To the left, there is a "BROWSE SUBJECTS" section with a list of subjects: Arts and Humanities, Biological Sciences, Biomedical and Health Sciences, Business and Economics, Earth and Environmental Sciences, Engineering and Technology, History, and Law and Legal Studies. The main results area shows "Results" with tabs for "All Results", "Subjects", and "Journals". The "Technovation" journal is listed with a small thumbnail image.

Browse the journal

The screenshot shows the BrowZine Library interface for the "Technovation" journal. At the top, there are navigation links: "BrowZine Library", "My Bookshelf", and "My Articles". Below these, it says "Access Provided By University of Wales Trinity Saint David". The main content area has a header "BrowZine Library" with a "Back to Journals" link. Below this is the journal title "Technovation" with a small thumbnail image and the SJR value "SJR: 2.3". There is a button "ADD TO MY BOOKSHELF". The main content area is divided into two sections: "NEW ARTICLES" and "JOURNAL ISSUES". The "NEW ARTICLES" section lists two articles: "Entrepreneurial orientation and new product development performance in SMEs: The mediating role of business model innovation" and "Orchestrating for lead user involvement in innovation networks". The "JOURNAL ISSUES" section lists the journal issues from 2013 to 2021, with "Vol. 108" selected for 2021.

[Browzine](http://www.browzine.org)

Hints and tips for searching..

- **Sign in** to make the most of extra features
- Think carefully about your **keywords** and try alternatives
- Use **AND**, **OR** and **NOT** to broaden or narrow your searches, and use **speech marks** to search for a phrase
- **Use the information you find** within a record to search for additional related research
- **Filter** your results using the column on the left, eg. limit to **full-text** or **peer reviewed** articles
- Also limit by **date** to get the most up to date research



Practice exercise

'Jugaad' (Frugal Innovation)

'Jugaad' - 'जुगाड़ (जुगाड' (*Hindi*) - or translated into English as 'the hack'.

It is the basis of what is now commonly referred to in western culture as Frugal Innovation or Frugal Engineering.

The Exercise

Via the university's online library only - carry out a literature search in and around the subject of ***Frugal Innovation / Engineering*** and discover more about the subject and then consider how meaningful it might be to businesses here in Wales.

Searches could include:

- Jugaad OR "Frugal Innovation"
- Jugaad OR "Frugal Engineering"
- Limit to peer-reviewed, articles, past 5 years only, full-text online



Searching the Academic Databases

Access through a Library Search

- When you use the Library search you will automatically pick up articles held in the Academic Databases
- These cover ALL subject areas so you may find you have an unmanageable number of results
- Some of the more specialist or technical databases are not compatible with the Library Search

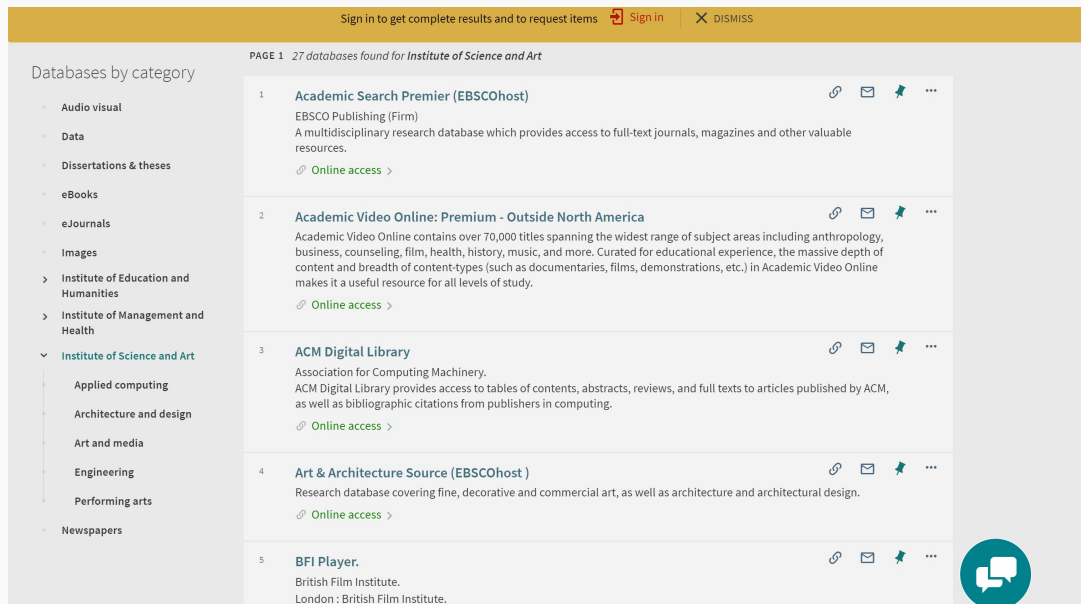
Or go to the Database Search link

- Alternatively you can search directly within a particular database by going to Database Search
- This may be a better option if you're finding many of the articles in your search are not relevant to you
- Databases not compatible include BoB, Digital Theatre+, MarketLine, Digimap, Construction Information Service... and more



Types of database collections

From Database Search



Examples of resources

- E-book collections
- Academic journals
- Specialist databases
- Newspaper database
- Academic video resources
- Image database
- TV, film, radio resources
- Dissertations
- Theatre and music databases

Some useful databases

- [IEEE Xplore Digital Library](#)

Covers literature in electrical engineering, computer science, and electronics. Full text articles from IEEE journals, transactions, and magazines.

- [IHS Markit](#)

This database contains the Construction Information Service (CIS) which contains, news, British Standards, articles, access to the Architects' Journal, legislation, BIM

- [Proquest Central](#)

This is a multidisciplinary database but you can limit it to search just the Engineering database or Environmental Science database

Some useful databases

- [Science Direct](#)

This database has a large collection of Physical Sciences and Engineering publications

- [MarketLine Advantage](#)

This database provides company reports, industry profiles, country and city reports. It also has extensive statistical data, analysis, and case studies.

- [Henry Stuart talks](#)

This collection of specially-prepared animated audio-visual presentations with synchronized narration is regularly updated and growing, with over 850 talks. We have full access to the Business and Management Collection search within these collections for presentations.

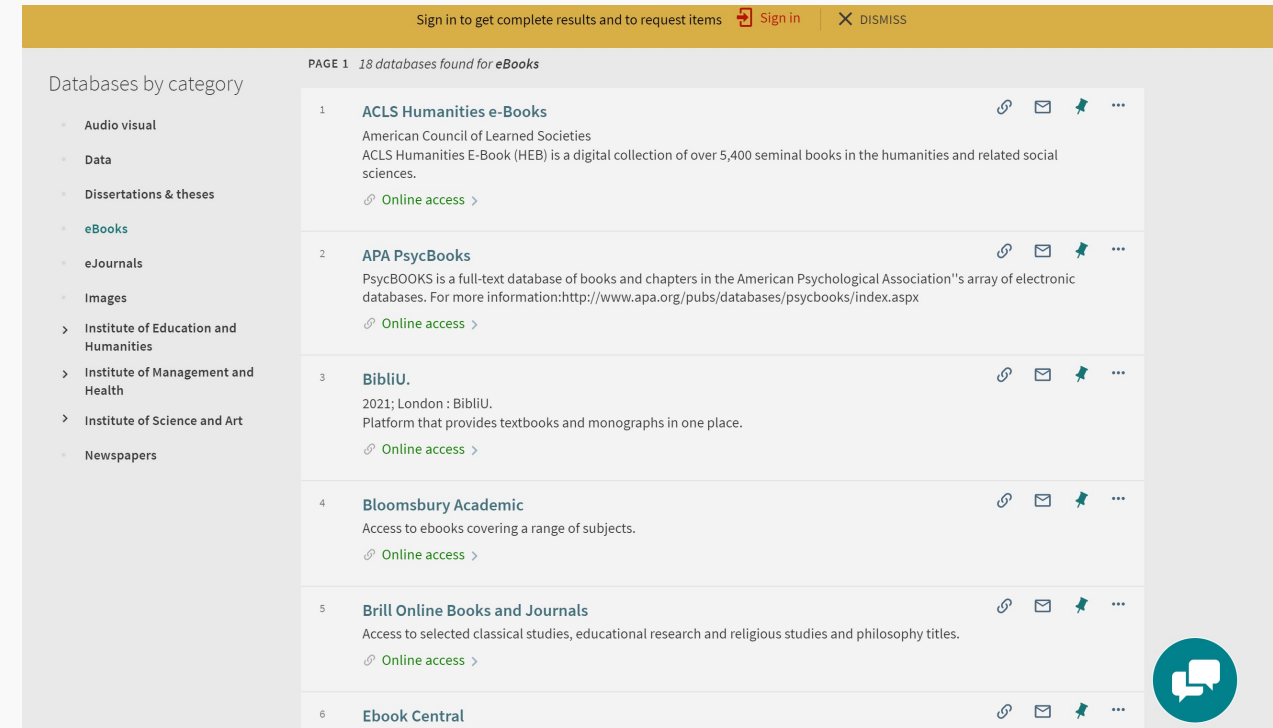


Search for ebooks via Database Search

Click on the ebooks link in Database Search

- Taylor & Francis
- Ebook Central
- VLeBooks

Make sure to limit to content you have access to



[Database Search](#)

Audio visual resources

[Box of Broadcasts \(BoB\)](#)

- BoB is Learning on Screen's on demand TV and radio service for education
- Create your own account with your UWTDS details
- Request programmes to be recorded either via the guide or search box
- Create playlists of your programmes or search for public playlists through the search box
- Create clips with your recordings

[Academic Video Online](#)

- A multidisciplinary video subscription that includes documentaries, interviews, feature films, performances, news programs, and demonstrations
- Search for videos using the search box
- Filter your results by subject, person, content type, release date
- View transcripts, details, and export citations to RefWorks
- Create clips of the videos or view previously created clips

[LinkedIn Learning](#)

- UWTSD has access to thousands of useful courses to improve your academic, professional and employability skills.

Open Access

- Open Access publishing is the provision of unrestricted, free online access to peer reviewed and scholarly research.
- Most UK universities now have a repository which stores and makes freely available the research output of its institution. This includes theses, journal articles, book chapters, monographs etc.
- UWTSD has a [Research Repository](#) and a [Research Data Repository](#) (deposit your research papers, research data, and thesis in the repository)



Open Access sources

[UWTSD Research Repository](#)

UWTSD Research Repository contains full text research papers, journal articles, book chapters and theses authored by University staff and students, and available to download free of charge

[CORE](#)

CORE's mission is to aggregate all open access research outputs from repositories and journals worldwide and make them available to the public. In this way CORE facilitates free unrestricted access to research for all

[Digital Commons Network](#)

The Digital Commons Network brings together free, full-text scholarly articles from hundreds of universities and colleges worldwide

[DOAG](#)

The Directory of Open Access Journals

[Google Scholar](#)

In addition to searching Open WorldCat, you can set Google Scholar to search through all UWTSD online resources

Settings > library links > select 'UW Trinity Saint David'

[Paperity.org](#)

'Paperity is *the* way towards more efficient scholarly communication in all research fields, from Sciences, Technology, Medicine, to Social Sciences, to Humanities and Arts. Our ultimate goal is to aggregate 100% of Open Access literature, published in any place around the world, in any field of research. For latest news, see [Paperity Blog](#) or follow us on [Twitter](#) and [Facebook](#)'



Evaluating internet resources - RADAR

- **Rationale** ➤ Why did the author/publisher make the information available, is there obvious bias or prejudice, are alternative points of view presented, are important facts or data being omitted that might disprove their claim, if there is emotion what is the purpose, what tone is being used?
- **Authority** ➤ What are the authors credentials, how is he author related to your topic, are they affiliated to an educational organisation or reputable organisations, can you find information about the author, is the author cited anywhere, is the publisher of the information source reputable
- **Date** ➤ When was the information published or last updated, have newer articles been published on the topic, are the links or references to other sources up-to-date, is your topic in an area that changes rapidly, is the information obsolete?
- **Accuracy** ➤ Are there statements you know to be false, do the citations and references support the authors claim and are the references correctly cited, what do other experts say on the subject is there general agreement, is it published in a peer-reviewed journal or other reliable publisher
- **Relevance** ➤ Does the information answer your research question, is the information too technical or too simplified for you to use – who is the intended audience, does the source add something to your knowledge of the topic



Make sure your referencing is correct

- Your references show you have read around the subject
- Your academic argument will be stronger if it's supported by evidence from other people's research
- Others will be able to find and use the same sources that informed your work, which in turn allows them to check the validity and authenticity of your work, as well as develop and enhance their own understanding of the subject
- Identifying your sources helps you avoid plagiarism by attributing the contribution of others to your work

Accessing the referencing handbooks

Go to the Harvard Referencing Handbook

There are four recognised referencing styles at UWTSD and the one you use will depend on your area of study. To find out which one you should be using, look in your Programme Handbook, and download your copy by clicking on the button below.

If in doubt, contact your [Academic Liaison Librarian](#).



Access the handbooks via the library webpages

[Referencing Handbooks](#)

The University also subscribes to RefWorks - help videos and set up instructions are available online

[Refworks](#)

Help is always available

For subject based queries and help with searching for information

Emily Hywel Academic Liaison Librarian

Email: emily.hywel@uwtsd.ac.uk or infoskills@uwtsd.ac.uk

Telephone: 01792 481000 ex3105

General queries and help with loans

library@uwtsd.ac.uk



Any questions or comments?

