



Locating Research Literature in Food, Agricultural and Biological Engineering

OSU Libraries

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Librarians

Columbus

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Library Locations

Food, Agricultural and Environmental Sciences Library

045 Agricultural Administration Building

2120 Fyffe Rd.

Columbus, OH 43210

614-292-6125

Hours: Mon-Wed 8am-8pm

Thu-Fri 8am-5pm

Closed Sat

Sun 4pm-8pm

OSU OARDC Library

Fisher Auditorium

1680 Madison Ave.

Wooster, Ohio 44691

330-263-3773

Hours: Mon-Fri 8am-5pm

Closed Sat and Sun

Hours for other library locations can be found online:

<http://library.osu.edu/sites/libinfo/hours.php>

Finding Books

Books held by OSU Libraries

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<http://library.ohio-state.edu/search/>

Books held by other OhioLINK institutions

OhioLINK is a consortium of 88 Ohio college and university libraries, and the State Library of Ohio. Search the OhioLINK catalog to locate the 48 million books, and other items held by these institutions and request that they be sent to you at OSU.

<http://olc1.ohiolink.edu/search/>

Electronic Books

You can locate many e-books using the OSU Library catalog. Thousands more scholarly and reference e-books are available from the OhioLINK Electronic Book Center.

<http://ebooks.ohiolink.edu/ebc-home/>

Finding Articles: Recommended Databases

Database	Description
ASABE Technical Library	Launched in 2001, this service provides access to journals and proceedings published during each year by the American Society of Agricultural and Biological Engineers.
BIOSIS Previews 1980-	Contains references to journal articles, reports, literature reviews, conference papers, patents, and book synopses in the life sciences. Coverage includes 5500 journals and 1500 international meetings in agriculture, biology, biotechnology, environment, and the health sciences.
CAB Direct 1900-	Over 9,000 journals are scanned for inclusion, as well as books, conferences, reports, and other kinds of literature published internationally with abstracts in English prepared from papers originally published in over 70 different languages. Subjects covered include: animal and crop husbandry, animal and plant breeding, plant protection, genetics, forestry, engineering, economics, veterinary medicine, human nutrition, and rural development. Particularly good for materials from Great Britain, Europe, and Commonwealth Countries.
Compendex 1884-	Compendex covers the entire spectrum of engineering, in depth, with abstracts from over 2,600 international journals, conference papers and proceedings, and technical reports.
Dissertation Abstracts 1861-	ProQuest Dissertations and Theses contains more than 2.4 million citations, with abstracts (since 1980) to dissertations accepted for doctoral degrees by accredited North American educational institutions and more than 200 institutions elsewhere. Dissertation Abstracts also contains citations, with abstracts (since 1988), to some masters' theses. Coverage includes approximately 3,000 subject areas, as well as masters theses and some dissertations from Canadian and overseas institutions. Includes free full-text for all dissertations submitted since 1997.
Environment Complete 1975-	Environment Complete contains all of the content available in Environment Index, as well as full text for 400 journals, including many of the most used journals in the discipline, such as Environment (back to 1975), Ecologist, Conservation Biology, etc. Environment Complete also provides full text for 80 monographs, such as Encyclopedia of World Environmental History (3 volumes), Advances in Water Treatment & Environmental Management, etc. Further, the database offers full text for the conference papers of the North American Association of Environmental Education.
FSTA (Food Science and Technology Abstracts) 1969-	Food Science and Technology Abstracts (FSTA) includes indexing from 1800 publications, including journals, reviews, standards, legislation, patents, books, theses, and conference proceedings. FSTA covers all areas of food science and technology, including basic food science, nutrition, biotechnology, toxicology, packaging, and engineering.
Web of Knowledge: Journal Citation Reports 1998-previous year	Provides easy access to data that helps you evaluate and compare scholarly journals. includes virtually all specialties in the areas of science, technology, and social sciences. Using citation data drawn from over 7,500 scholarly and technical journals from more than 3,300 publishers in over 60 countries, the JCR can show you the: highest impact journals, most frequently used journals, hottest journals, largest journals.
Web of Knowledge: Science Citation Index 1965-	A multi-disciplinary database, with searchable author abstracts, covering the journal literature of the sciences and social sciences. It indexes approximately 7,000 major journals across 214 disciplines. A unique feature of this database is cited reference searching.

Finding Articles: Other Useful Databases

Database	Description
AGRICOLA 1970-	Contains citations to agricultural literature acquired by the United States National Agricultural Library and cooperating institutions, and subfiles of related subjects, such as food and nutrition, agricultural economics, parasitology, etc., supplied by information centers. Especially good for retrieving USDA, Extension and Experiment Station publications .
AGRIS 1975-	AGRIS is the international information system for the agricultural sciences and technology. It was created by the Food and Agriculture Organization of the United Nations (FAO) in 1974, to facilitate information exchange and to identify world literature dealing with all aspects of agriculture. The system collects bibliographic references to either conventional (journal articles, books) or non-conventional materials (sometimes called " grey literature " e.g. theses, reports, etc.,) not available through commercial channels. One of the main reasons for AGRIS' existence is to encourage the exchange of information among developing countries , whose literature would not be covered by other international systems.
SciFinder Scholar 1907-	SciFinder Scholar/Chemical Abstracts is the largest and most comprehensive database of chemical literature in the world . It covers not only the core areas of chemistry, but also chemistry related sciences such as biotechnology, agricultural chemistry, toxicology and environmental science among others. SciFinder Scholar is software based on client/server architecture that permits easy, natural language searching of the Chemical Abstracts database by research topic, author, chemical substance or reaction. Obtain client software from OSU's OIT Software. Go to: http://osusls.osu.edu/.

Finding Patent Literature

Database	Description
U.S. Patents 1790-	The web site of the U.S. Patent and Trademarks Office offers all the tools necessary to do a comprehensive search for previously issued U.S. patents, from 1790 present. The website contains a database of the text and drawings from all issued patents. http://www.uspto.gov/
European and World Patents	The European Patent Office site provides access to more than 50 million patent documents from around the world, most of which are patent applications, not granted patents. Patent applications are usually the first publication of a new idea, appearing before journal articles are published or new products reach the market.

Current Awareness Services

To assist you in staying abreast of new publications, most of the databases allow you to set up a user profile and save searches that are relevant to your research topic. The database's service will either automatically send you the citations of recently published articles by e-mail or RSS feed, or will have a procedure to easily re-search your search terms to locate articles published since you last searched the database.

A number of journals, including those in the OhioLINK Electronic Journal Center, also have the current awareness function. You may set up these profiles on your own, or contact an FAES Librarian for assistance.

Article Express/Interlibrary Services

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Requests from the OSU Collections are usually filled within 3 business days; however, copies obtained from non-OSU collections may take longer. Users will receive an email message with a URL to ILLiad where they can log into their account and view or print the article. Users can access their articles on our server from any computer with internet access, a browser, and Adobe Acrobat reader.

For more information, including limits on requests, go to <https://osu.illiad.oclc.org/illiad/osu/ArticleExpressLogon.html>.

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As you work on your research topic, you will identify journal articles, conference presentations, and report literature to which you expect to refer on a regular basis. There are several software packages which help manage the citations to the articles which are important in your research. The Ohio State University Libraries and the Office of Information Technology have made the desktop application RefWorks® available **free of charge** to anyone affiliated with the University.

RefWorks® is a Web-based bibliography and database manager that allows users to create their own personal database by importing references from text files or online databases. You can use these references in writing your papers and automatically format the paper and the bibliography in seconds. RefWorks® allows you to:

- Organize and create a personal database online – no more index cards to write out and organize. Everything is done automatically as you import the reference into RefWorks®.
- Format bibliographies and manuscripts in seconds – this saves hours of typing time and decreases the number of errors in creating tedious bibliographies. Easily make changes to your paper and reformat in seconds.
- Import references from a variety of databases using the already created Import Filters. When you leave OSU, export your data to use with a new RefWorks® account or other bibliographic software.
- Searching your RefWorks® database is fast and easy – RefWorks® automatically creates author, descriptor and periodical indexes when importing so you just click on the word to perform the retrieval. Use Quick Search to search all fields for the most comprehensive results or Advanced Search to narrow your search to specific terms and fields.