



# Locating Research Literature in Food, Agricultural and Biological Engineering

OSU Libraries

library.osu.edu

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## Librarians

### Columbus

**Dr. Florian Diekmann**

diekmann.4@osu.edu

614-688-8413

Google Chat: diekmann.4

**Jessica Page**

page.84@osu.edu

614-688-8474

Yahoo IM: jessicapageosu

Google Chat: jpage76

### Wooster (OARDC)

**Constance J. Britton**

britton.4@osu.edu

330-263-3773

Yahoo IM: constancebritton

## 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

Search the OSU Libraries catalog from the OSU Libraries' home page to locate books, theses, journals and other items held by OSU.

<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

### Research Databases

List of general and specialized databases listed alphabetically by title or by subject:

<http://library.ohio-state.edu/screens/databases.html>

### Electronic Journals

**Online Journal List (OSU):** <http://nf4hr2ve4v.search.serialssolutions.com/>

**Electronic Journal Center (OhioLINK):** <http://journals.ohiolink.edu/ejc/>

**OLinks Journal Article Lookup (EJC):** <http://olinks.ohiolink.edu/article-lookup.php>

**Citation Matcher (PubMed):** <http://www.ncbi.nlm.nih.gov/corehtml/query/static/citmatch.html>

## Finding Articles: Recommended Databases

Database	Description
<b>ASABE Technical Library</b>	Launched in 2001, this service provides access to journals and proceedings published during each year by the American Society of Agricultural and Biological Engineers.
<b>BIOSIS Previews</b>	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.
<b>CAB Direct</b>	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.
<b>Compendex</b>	Compendex covers the entire spectrum of engineering, in depth, with abstracts from over 2,600 international journals, conference papers and proceedings, and technical reports.
<b>Dissertation Abstracts</b>	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.
<b>Environment Complete</b>	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.
<b>FSTA (Food Science and Technology Abstracts)</b>	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.
<b>Google Scholar</b>	Google Scholar provides a simple way to broadly search for scholarly literature. From one place, you can search across many disciplines and sources: articles, theses, books, abstracts and court opinions, from academic publishers, professional societies, online repositories, universities and other web sites. Google Scholar helps you find relevant work across the world of scholarly research.
<b>Plant Management Network</b>	Plant Management Network is a cooperative resource for the applied plant sciences. Designed to provide plant science practitioners fast electronic access to proven solutions, the Plant Management Network offers an extensive searchable database comprised of thousands of web-based resource pages from the network's partner universities, companies, and associations. In addition, the network's four peer-reviewed citable journals, Applied Turfgrass Science, Crop Management, Forage and Grazinglands, and Plant Health Progress, provide credible current information in areas important to practitioners, policy makers, and the public.
<b>SciFinder Scholar</b>	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.
<b>Scopus</b>	Scopus is a multidisciplinary abstract and citation database including peer-reviewed titles from international publishers, journals, conference proceedings, trade publications, and quality web sources. The database contains 41 million records and nearly 18,000 titles from 5,000 publishers

Database	Description
	worldwide. Includes over 3 million conference papers and provides 100% Medline coverage. Scopus offers sophisticated tools to track, analyze and visualize research.
<b>Web of Knowledge: Science Citation Index, Social Science Citation Index</b>	A multi-disciplinary database, with searchable author abstracts, covering the journal literature of the sciences and social sciences. It indexes approximately 10,000 of the highest impact journals worldwide, including Open Access journals and over 110,000 conference proceedings across 256 disciplines. A unique feature of this database is cited reference searching.
<b>Web of Knowledge: Journal Citation Reports</b>	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. The JCR databases uses citation data from more than 9,100 journals from over 2,200 publishers in approximately 230 disciplines from 78 countries evaluate the world's leading journals.

## Finding Patent Literature

Database	Description
<b>U.S. Patents</b>	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. <a href="http://www.uspto.gov/">http://www.uspto.gov/</a>
<b>European and World Patents</b>	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.

## Interlibrary Loan / Document Delivery Services (ILLiad)

	If an article you need is across campus or around the globe.
<b>Article Express</b>	Provides electronic delivery of journal articles, book chapters, and proceedings papers to OSU faculty, staff, and students. The online form can be used to request articles from both OSU and non-OSU collections at no cost to you. Requests from the OSU Collections are usually filled within 3 business days; however, copies obtained from non-OSU collections may take longer. 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 <a href="https://osu.illiad.oclc.org/illiad/osu/ArticleExpressLogon.html">https://osu.illiad.oclc.org/illiad/osu/ArticleExpressLogon.html</a> .

## Keep Up With Current Literature (Current Awareness Services)

Type of search	Receive alerts when new articles of interest are available. May require a free account or registration. Results may be delivered by email or RSS feed.
<b>Table of Contents</b> <i>Contents of newly added issues from your journal picks</i>	<b>Publishers' websites</b> —visit publisher website and look for alert services <b>MyEJC</b> : <a href="http://journals.ohiolink.edu/ejc/login.cgi">http://journals.ohiolink.edu/ejc/login.cgi</a> (My [OhioLINK] Journals) <b>TicTOCS</b> : <a href="http://www.tictocs.ac.uk/">http://www.tictocs.ac.uk/</a>
<b>Keyword</b> <i>Customized keyword searches run on newly added journal issues</i>	<b>Research databases</b> —saved searches executed manually or when database is updated <b>MyEJC</b> : <a href="http://journals.ohiolink.edu/ejc/login.cgi">http://journals.ohiolink.edu/ejc/login.cgi</a> (My Searches) <b>Online catalog</b> : <a href="https://library.ohio-state.edu/patroninfo/">https://library.ohio-state.edu/patroninfo/</a> Login to your account. Create a preferred search within the catalog. The system notifies you when new resources are added matching your search criteria. <b>Google Scholar</b> : <a href="http://scholar.google.com">http://scholar.google.com</a> Get email alerts when new articles related to your interests are published.
<b>Cited articles</b> <i>You are alerted when new articles citing a prior article are added</i>	<b>Web of Knowledge</b> : <a href="http://apps.webofknowledge.com.proxy.lib.ohio-state.edu/">http://apps.webofknowledge.com.proxy.lib.ohio-state.edu/</a> (My Citation Alerts) <b>Scopus</b> : <a href="http://www.scopus.com.proxy.lib.ohio-state.edu/home.url">http://www.scopus.com.proxy.lib.ohio-state.edu/home.url</a> (My alerts)

## Managing Citations

Software that helps store, manage, and format bibliographic citations.	
<b>Web-based</b>	<p><b>RefWorks:</b> 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. Free to OSU community. <a href="https://www.refworks.com/Refworks/login.asp?WNCLang=false">https://www.refworks.com/Refworks/login.asp?WNCLang=false</a></p> <p><b>EndNote Web:</b> <a href="http://www.myendnoteweb.com/">http://www.myendnoteweb.com/</a> Free access to web-based EndNote from a university (authorized) IP address. Account must be used or reactivated periodically.</p> <p><b>Zotero:</b> <a href="http://www.zotero.org/">http://www.zotero.org/</a> Free, easy-to-use Firefox extension and desktop program (beta) to help you collect, manage, and cite your research sources.</p> <p><b>Mendeley:</b> <a href="http://www.mendeley.com/">http://www.mendeley.com/</a> A desktop and web program for managing and sharing research papers, discovering research data and collaborating online.</p>
<b>Workstation-based</b>	<p><i>Purchase through software vendors; educational discounts may apply.</i></p> <p><b>EndNote:</b> <a href="http://www.endnote.com/">http://www.endnote.com/</a> Discount pricing available to the OSU community from <a href="http://wiredout.osu.edu/">http://wiredout.osu.edu/</a>.</p> <p><b>ProCite :</b> <a href="http://www.procite.com/">http://www.procite.com/</a></p> <p><b>Reference Manager:</b> <a href="http://www.refman.com/">http://www.refman.com/</a></p>

## Thesis/Dissertation Preparation

<b>Writing Assistance/Guides</b>	<p><b>Graduate School:</b> <a href="http://www.gradsch.osu.edu/dissertations-and-theses.html">http://www.gradsch.osu.edu/dissertations-and-theses.html</a></p> <p><b>Center for the Study and Teaching of Writing:</b> <a href="http://cstw.osu.edu/writingcenter">http://cstw.osu.edu/writingcenter</a></p>
<b>Electronic Submission</b>	<p><b>OhioLINK ETD Submission:</b> <a href="http://etd.ohiolink.edu/submit/">http://etd.ohiolink.edu/submit/</a></p> <p><b>Graduate School Requirements:</b> <a href="http://www.gradsch.osu.edu/guidelines.html">http://www.gradsch.osu.edu/guidelines.html</a></p>