



PILOT: Promoting Information Literacy Over Time
Biology Library Resource Guide

Databases & Indexes

NOTE: When full-text is not available from one of the Library's databases, please use our Interlibrary Loan (ILL) service to obtain materials from other institutions. ILL forms are available from the Library Reference Desk. Please allow up to two weeks for delivery of ILL items.

Subject Specific

- **Biology Digest Cumulative Index**
Ref Z5321 .B5x, 1979 – present (Ref Row 5)
Index of citations and abstracts of articles pertaining to the biological sciences from over 200 foreign and domestic periodicals in the life sciences. Entries are indexed by subject and author with a cumulative index at the end of each volume year.
- **BIOONE** (available from the Library's Databases page)
Full-text database of journals published by small societies and other not-for-profit organizational publishers, focused on the biological, ecological and environmental sciences.
- **General Science Index**
Ref Z7401 .G46, June 1978 – May 2004 + Sep. & Nov. 2004 + Feb-May 2005, (Ref Row 8)
Cumulative subject index to English language periodicals in the fields of astronomy, atmospheric science, biology, botany, chemistry, earth science, environment and conservation, food and nutrition, genetics, mathematics, medicine and health, microbiology, oceanography, physics, physiology and zoology. Book reviews are included in a separate section following the subject entries.
- **GreenFILE Environmental Database** (via NC LIVE; available from the Library's Databases page)
A collection of scholarly, government and general-interest titles covering all aspects of human impact on the environment including content on global warming, green building, pollution, sustainable agriculture, renewable energy, recycling, and more. The database provides indexing and abstracts for more than 384,000 records, as well as Open Access full text for more than 4,700 records.
- **JSTOR** (available from the Library's Databases page)
Interdisciplinary, searchable, full-text archive of almost 1,000 academic journals covering the humanities, social sciences, and life sciences. Journals are always included from volume 1, issue 1 and include previous and related titles. The most recently published issues (past 3-5 years) are not available. However, users can search this material and link to the publisher's site or other online source for access. New content is added on a regular basis as it is made available by the publisher. Advanced search options include

author name, title, abstract, and caption for photographs and other images. Individual or multiple subject collections can also be searched using the advanced search feature.

- **NetLibrary** (via NC LIVE; available from the Library's Databases page)
Provides searchable full-text access to eBooks and eAudiobooks and other eContent including reference sources such as encyclopedias, dictionaries, directories, handbooks, thesauri and more. Coverage is multidisciplinary including biology and the life sciences.
- **PubMed** (<http://pubmed.gov>)
The National Library of Medicine's premier database of journal citations for the life sciences with a concentration on biomedicine. Covers 1950 – present.
- **PubMed Central (PMC)** (<http://www.pubmedcentral.nih.gov/>)
The U.S. National Institutes of Health (NIH) free digital archive of biomedical and life sciences journal literature
- **Science Reference Center** (via NC LIVE; available from the Library's Databases page)
A research database that provides easy access to a multitude of full text science-oriented content, including full text for nearly 640 science encyclopedias, reference books, periodicals, and more. Topics covered include: biology, chemistry, earth & space science, environmental science, health & medicine, history of science, life science, physics, science & society, science as inquiry, scientists, technology and wildlife.
- **Science Week** (<http://www.scienceweek.com>)
Searchable/browseable lists of articles from a cross-section of journals designed to provide researchers, policy makers, teachers, students, and science writers with access to scientific fields outside their own specialty. The reports in ScienceWeek are selected to cross barriers between the sciences, to illuminate breakthroughs, ideas, concepts, policy, and historical aspects.
- **TOXNET** (<http://toxnet.nlm.nih.gov/>)
Access to a collection of National Library of Medicine hazardous substance, toxicology, and environmental health databases
- **Wiley InterScience** (available from the Library's Databases page)
Online collection of books and journals covering scientific, technical, medical, and scholarly content.

Related Areas

- **Academic Search Premier** (via NC LIVE; available from the Library's Databases page)
A multi-disciplinary full text database containing full text for more than 4,500 journals, including more than 3,700 peer-reviewed titles.
- **InfoTrac OneFile** (available from the Library's Databases page)
A one-stop source for news and periodical articles on a wide range of topics: business, computers, current events, economics, education, environmental issues, health care, hobbies, humanities, law, literature and art, politics, science, social science, sports, technology, and many general interest topics. Selected full-text and images.
- **MasterFile Premier** (via NC LIVE; available from the Library's Databases page)
General periodicals covering general reference, business, health, education, general science, multicultural issues and much more.
- **Readers' Guide to Periodical Literature**
Ref A13 .R4 1900 – May 2005 (Ref Row 1)
Author-Subject index to English language periodicals published for a general reading

audience and covering a wide variety of areas of interest. In addition to providing a popular perspective on topics of interest in the humanities, social sciences, and science.

Reference Resources

Encyclopedias

Title	Access
Encyclopedia of Bioethics	Gale Virtual Reference Library
Encyclopedia of Life Sciences	Wiley InterScience
Gale Encyclopedia of Science, 3 rd ed., 2004	Gale Virtual Reference Library
Magill's Encyclopedia of Science: Animal Life	NetLibrary
Magill's Encyclopedia of Science: Plant Life	NetLibrary
McGraw-Hill's AccessScience Encyclopedia of Science & Technology Online	Library's Databases page
Van Nostrand's Scientific Encyclopedia	Wiley InterScience

Dictionaries, Directories, & Handbooks

Title	Access
Dictionary of Biology	Net Library
Dictionary of Scientific Biography	Ref Q141 .D5 (18 vols.)

Other Reference Sources

Title	Access
Advanced Molecular Biology: A Concise Reference	Ref QH 506 .T97x 1998 also available via NetLibrary
Annual Reviews (titles include Biochemistry, Cell & Developmental Biology, Ecology, Evolution & Systematics, Entomology, Genetics, Immunology, Microbiology, Neuroscience, Physiology, Plant Biology)	Library's Databases page
Biology Data Book	Ref QH310 .A392 (2 nd ed., 3 vols.)
CBE Style Manual: A Guide for Authors, Editors, & Publishers in the Biological Sciences*	Ready Ref QH 304 .c33 1983
Choosing and Using Statistics: A Biologist's Guide	NetLibrary
History of Biology: A Selected Annotated Bibliography	Ref QH 305 .O9x 1989
Molecular Biology Problem Solver: A Laboratory Guide	Ref QH 506 .M6629 2001 also available online from Wiley InterScience via the Library's Databases page
Scientific Style and Format: The CSE Manual for Authors, Editors, and Publishers	Ref Z250.6 .B5 .S386 2006
Statistics for Biologists	Ref QH 323.5 .C35 1988
Synopsis and Classification of Living Organisms	Ref QH 83 .S89 (2 vols.)
Synoptic Classification of Living Organisms	Ref QH 83 .S893 1984
Timetables of Science: A Chronology of the Most Important People and Events in the History of Science	Ref Q125 .H557 1988
A Walk Through Time: From Stardust to Us: The Evolution of Life on Earth	Ref QH367 .L525 1998

*(sample citations are also available online from Monroe Community College, Rochester, NY - <http://www.monroecc.edu/Depts/Library/cbe.htm>)

Internet Resources

- ActionBioscience.org – Promoting bioscience literacy (American Institute of Biological Sciences)
<http://www.actionbioscience.org/>
- Beyond Bio101
<http://www.hhmi.org/BeyondBio101/>
- Biology Links (Harvard University Department of Molecular and Cellular Biology)
<http://golgi.harvard.edu/BioLinks.html>
- The Biology Project (University of Arizona Department of Biochemistry and Molecular Biophysics)
<http://www.biology.arizona.edu/>
- BioSciEdNet - the National Science Digital Library (NSDL) Pathway for biological sciences education
<http://www.bioscienet.org/portal/>
- National Institutes of Health
<http://www.nih.gov>
- National Library of Medicine
<http://www.nlm.nih.gov>
- Nature Serve Explorer: Online Encyclopedia of Life
<http://www.natureserve.org>
- U.S. Department of Energy, Office of Biological Environmental Research
http://www.sc.doe.gov/ober/ober_top.html
- U.S. Environmental Protection Agency (EPA)
<http://www.epa.gov/>
- Yahoo! Directory – Biology
<http://dir.yahoo.com/Science/biology>
- Zoo Lab: Animal biology Lab (University of Wisconsin - La Crosse)
<http://bioweb.uwlax.edu/zoolab>

For More/Other Resources

NetLibrary

E-books are available from the Library's Databases page via NetLibrary. Please sign up for a personal NetLibrary account using on the computers in the Library. Once you have created your account, you will be able to access content remotely at www.netlibrary.com.

A good place to start browsing in NetLibrary is the Reference Center located on the right side of the main page. Go to: **NetLibrary** → Reference Center → Biology & Life Sciences

You can also use the search features in NetLibrary to identify other items of interest in your subject area.

Alexandria (<http://libraryaccess.bac.edu/>)

Search using the subjects below, or use an All Words search for areas of specific interest, for example “Human Genome Project,” or “biodiversity.” You can add another topic of interest to you using the Boolean search feature.

Call Numbers

You can also browse the following areas of the collection for additional materials:

GE = Environmental Sciences	QL1 – 991 = Zoology
QH301 – QH705 = Biology	QM = Anatomy (Human)
QH345 = Biochemistry	QM550 – QM577.8 = Histology (Human & Comparative)
QL461 – QL599.82 = Entomology	QM601 – QM611 = Embryology and Development (Human)
QL801 – QL950.9 = Anatomy (Animal)	QP = Physiology
QL807 = Histology (Animal)	QP34 – QP38 = Human Biology
QL951 – QL991 = Embryology and Development (Animal)	QR = Microbiology
QH426 – QH470 = Genetics	QR180 – QR189.5 = Immunology