



THE UNIVERSITY OF
TOLEDO
1872

Biology & Environmental Studies

Library Resource Guide

Finding Books

You can find books in [UTMOST](#) (or the OhioLINK Central Catalog) using keywords for your topic or use the subject headings and related topics such as listed below. More help is available from the [UTMOST Library Guide](#).

biology

molecular biology

ecology

evolution

genetics

(names of specific organisms, etc.)

Finding Articles

[Biological Abstracts](#) OhioLINK Research Database (1980-) Print version (1926-1979) in Reference Science Indexes Also known as *BIOSIS*, this database contains abstracts to articles in over 5,500 life science journals. International in scope, it includes research in the fields of biology, botany, biochemistry, biotechnology, pharmacology and zoology. Updated weekly. For help in using this index, use the library guide titled [OhioLINK Research Databases](#).

[Biological & Agricultural Index](#) OhioLINK Research Database (1983-)

This index covers 300+ publications related to biology and agriculture. Topics include biochemistry, botany, ecology, environmental sciences, forestry, microbiology, soil science, and zoology. Updated monthly. For help in using this index, use the library guide titled [OhioLINK Research Databases](#).

[Science Citation Index](#) OhioLINK Research Database (1980-)

The database indexes 5,700 major journals across 164 scientific disciplines. Some of the disciplines covered include: astronomy, biochemistry, biology, chemistry, materials science, mathematics, medicine, pharmacology, physics, plant sciences, and zoology. Use this database to trace research by a particular person or to discover articles that cite a particular person's work (cited author search). For help in using this index, use the library guide titled [Using ISI Citation Indexes](#).

[MEDLINE](#) OhioLINK Research Database (1966-)

This database indexes the international journal literature on biomedicine. The references are found in approximately 3,900 medical journals published in the U.S. and abroad. The information is categorized by the National Library of Medicine subject headings (the list of subject headings is available on the first floor of Carlson Library). Doctors, medical researchers, and allied health professionals will find this database the most comprehensive source for medical information. Updated monthly. For help in using this index, use the library guide titled [OhioLINK Research Databases](#).

[Applied Science & Technology Abstracts](#) OhioLINK Research Database (1983-)

A database of citations and abstracts to articles in engineering, science, and technology journals. Over 400 publications are indexed, covering subjects such as chemical engineering, environmental engineering, machinery, metallurgy, petroleum and gas, plastics, solid state technology, and telecommunications. Updated monthly. For help in using this index, use the library guide titled [OhioLINK Research Databases](#).

Definitions

Dictionary of Ecology, Evolution and Systematics. 2d edition. 1998.

Reference QH540.4 L56.

Henderson's Dictionary of Biological Terms. 1995. R

Reference QH302.5 H65.

Facts on File Dictionary of Environmental Science. 2001.

Reference TD9 W95.

Standard Reference Sources

Bergey's Manual of Systematic Bacteriology. 1984. R

Reference QR81 B46.

Five Kingdoms: An Illustrated Guide to the Phyla of Life on Earth. 1998.

Reference QH83 M36.

Gray's Anatomy. 1995. R

Reference QM23.2 G73.

Background Information

The following are some of the subject-specific encyclopedias that can help you find basic information about a biological topic. They are all found on the first floor of Carlson Library.

<i>McGraw-Hill Encyclopedia of Science and Technology</i> . 1997. 10 volumes.	Reference Encyclopedias.
<i>Encyclopedia of Biodiversity</i> . 2001. 5 volumes.	Reference QH591.15 B56 E53x.
<i>Encyclopedia of Endangered Species</i> . 1994. R	Reference QH75 A1E53.
<i>Encyclopedia of Environmental Studies</i> . 2001.	Reference TD9 A84.
<i>Encyclopedia of Human Biology</i> . 1997. 9 volumes.	Reference QP11 E53.
<i>Encyclopedia of Life Sciences</i> (online).	
<i>Encyclopedia of Microbiology</i> . 2000. 4 volumes.	Reference QR9.E53.
<i>Encyclopedia of Molecular Biology</i> . 1999. 4 volumes.	Reference QH506 E53.
<i>Encyclopedia of Virology</i> . 1999. 3 volumes.	Reference QR358 E53.
<i>Environmental Encyclopedia</i> . 1998. R	Reference GE10 E57.

Internet Resources

Biology is a large discipline, so this list is not exhaustive. This list of Internet sources will help you get started. The organizations listed usually have their own pointers to useful web pages.

University of Toledo Sites:

<i>Biological Sciences Department</i>	http://www.biosciences.utoledo.edu/
<i>Environmental Sciences Dept.</i>	http://www.utoledo.edu/as/envsciences/

U.S. Government Sites:

<i>U.S. Department of the Interior</i>	http://www.doi.gov/
Several of the DOI's bureaus deal with the environment of the United States: National Park Service, Fish & Wildlife Service, Bureau of Land Management, Geological Survey, and Bureau of Reclamation.	
<i>U.S. Department of Agriculture</i>	http://www.usda.gov/
Information provided by the Dept. of Agriculture runs the gamut from biotechnology to food safety to sustainable development.	
<i>U.S. Environmental Protection Agency</i>	http://www.epa.gov/
The EPA provides news and educational information as well as access to seven major databases.	

Professional Societies:

<i>American Institute of Biological Sciences</i>	http://www.aibs.org/
<i>American Society of Parasitologists</i>	http://asp.unl.edu/
<i>Ecological Society of America</i>	http://www.esa.org/
<i>Federation of American Societies for Experimental Biology</i>	http://www.faseb.org/
Includes: <i>American Physiological Society, American Society for Biochemistry & Molecular Biology, Biophysical Society, American Society of Human Genetics, Society for Developmental Biology, and others.</i>	
<i>Society for Conservation Biology</i>	http://conbio.net/scb/