

BIOLOGY : A RESEARCH GUIDE

*This general research guide introduces students to resources pertinent to the study of Biology. The titles and links that are listed in the guide do not represent all of the resources available to users in the G.R. Little Library. Most electronic resources are accessible both in the library and from outside the library via the University homepage (www.ecsu.edu). Books or journal articles not available in the library may be obtained through Interlibrary Loan. **Please do not hesitate to ask the Reference Librarian for help with your library research.***

Reference Sources

The Reference Collection contains many standard reference works including encyclopedias, dictionaries, directories, atlases, bibliographies, etc. – capable of meeting the most general and many specialized reference needs. Periodical indexes, abstracting services and printed catalogues of major research and national library collections provide bibliographic information about published and unpublished materials. The following list includes examples of the kinds of general reference materials available in the area of **Biology**. This list is by no means exhaustive, and is intended to serve merely as an example of the kinds of materials available.

Dictionaries & Encyclopedias

- **McGraw-Hill Encyclopedia of Science & Technology.** Ref Q121 .M3 1997 (Located across from the Reference Desk)
- **Encyclopedia of Molecular Biology.** Ref QH506 .C74 1999 (Located across from the Reference Desk)
- **Encyclopedia of Environmental Biology.** Ref QH540.4 .E52 1995 (Located across from the Reference Desk)
- **McGraw-Hill Dictionary of Bioscience.** Ref QH302.5 .M382 1997
- **Dictionary of Microbiology and Molecular Biology.** Ref QR9 .S56 1993
- **Illustrated Dictionary of Mycology.** Ref QK600.35 .U4313 2000
- **Dictionary of Plant Names.** Ref QK9 .S337 1999
- **Grzimek's Animal Life Encyclopedia.** Ref QL45 .G813 1972

Guides to understanding Biological terminology.

- **Bioscientific Terminology.** Ref QH83 .A94 1972
- **Biolexicon.** Ref QH302.5 .B59 1990

Other Reference Sources

- **Chemical Abstracts.** (Located near Periodicals Desk)
- **Rodd's Chemistry of Carbon Compounds.** Ref QD251 .R62 c
- **Comprehensive Organometallic Chemistry II.** Ref QD411 .C652 1995
- **Manual of Environmental Microbiology.** Ref QR100 .M36 1997
- **Mammals of the World.** Ref QL703 .W222 1975

Finding Books in the Online Catalog

ECSU Library's Online Catalog: Books on Biology can be found by using the library's online catalog. You can search by specific authors or titles or you can do keyword and subject searching. Some specific subjects you can use to begin your search are:

Biology
Microbiology
Mycology
Zoology

Physiology
Plant
Animal
Biochemistry

WorldCat: Union catalog of materials held in libraries world-wide.

Finding Articles in Journals

Journals provide current and up-to-date information and may be available online or located in the periodical collection in the library. To find references to articles and other research materials about Modern Asia, consult a print index or electronic database.

To find a specific journals please use **Journal Finder**. It can be accessed from the Library's home page at:

<http://www.ecsu.edu/cs/library.cfm>

Or directly at:

<http://journalfinder.uncg.edu/ecsu/>

Journal Finder will inform you if the library collects the periodical, if it is available online, or if it is available from a nearby library.

Electronic Databases

These five databases are available through the University's website. Some of these databases are available only on campus.

Science Direct

Science Direct provides access to over 1,800 scientific, technical & medical peer-reviewed journals from Elsevier Publishing. It allows the patron to search over 60 million abstracts of scientific articles from Elsevier and 170 other publishers.

SpringerLink

SpringerLink provides access to over 1,250 fully peer-reviewed journals from Springer-Verlag Publishing.

General Science Full Text

General Science Full Text is the first place to look for answers to science-related questions. This database features full text, plus the graphs, charts, diagrams, photos, and illustrations that convey an abundance of scientific information. Full text coverage begins in January 1995.

Wiley InterScience

It features over 1,000 journals, major reference works, online books, Current Protocols laboratory manuals, and databases from John Wiley & Sons, Inc.

Mary Ann Liebert

A searchable database of peer reviewed journals in the fields of biomedical research and life sciences, biotechnology, clinical medicine and surgery, complementary and alternative medicine, engineering and informatics, law, psychology, and public health and policy.

ProQuest Digital Dissertations

Includes bibliographic citations for materials ranging from the first U.S. dissertation, accepted in 1861, and to those accepted as recently as last semester. Citations for dissertations published from 1980 forward also include 350-word abstracts written by the author. Citations for master's theses from 1988 forward include 150-word abstracts. ECSU receives on-line access to the complete file of dissertations in digital format starting with titles published from 1997 forward.

Google Scholar <http://scholar.google.com/>

Google Scholar enables you to search specifically for scholarly literature, including peer-reviewed papers, theses, books, preprints, abstracts and technical reports from all broad areas of research. Use Google Scholar to find articles from a wide variety of academic publishers, professional societies, preprint repositories and universities, as well as scholarly articles available across the web.

Medical Databases & Resources

Available through NCLive

Centers for Disease Control and Prevention (CDC)

Information regarding health promotion and disease prevention

CINAHL w/Full Text

Journals, dissertations and books for nursing and allied health research

Health Source: Consumer Edition

General health, nutrition and medical journals

Health Source: Nursing/Academic Edition

Contains scholarly and peer-reviewed journals for nursing and allied health

Healthfinder

A consumer health gateway site

HealthLink Plus

Authoritative and timely health and medical information

HealthWeb

Evaluated non-commercial, health-related, Internet resources

HIV InSite

A gateway to HIV/AIDS information

Mayo Clinic Health Oasis

Consumer health information from the Mayo clinic

Medem

Comprehensive healthcare information including a 'Medical Library'

MEDLINEplus

Authoritative medical information for professionals and consumers

National Women's Health Information Center (NWHIC)

Free, reliable health information for women

NC Health Info

Access to local health services and programs in NC

NOAH: New York Online Access to Health

Searchable collection of consumer health information

Oncolink : A University of Pennsylvania Cancer Center Resource

Searchable source of cancer-related information

PsycINFO

Citations of peer-reviewed journals, books, and reports in psychology field

PubMed

Bibliographic information covering a variety of medical disciplines

State Center for Health Statistics

Online reports of health-related statistics

Division of Public Health of the NC Dept. of Health and Human Services

Covers a wide range of health topics

Biology Journals

A selective list of our holdings of Biology and Biology related periodicals.

American Biology Teacher	Journal of Biological Chemistry
American Journal of Botany	
American Journal of Physiology	Journal of Experimental Zoology
Cell Physiology	Journal of Eukaryotic Microbiology
Endocrinology & Metabolism	Journal of Environmental Quality
Gastrointestinal & Liver Physiology	Journal of Heredity
Heart & Circulatory Physiology	Journal of Immunology
Lung Cellular & Molecular	Journal of Mammalogy
Physiology	Journal of Molecular Evolution
Regulatory, Integrative, &	Journal of Pathology
Comparative Physiology	Journal of Physiology
Renal Physiology	Nature
Biochemistry	Nature Methods
BioScience	New Scientist
Canadian Journal of Microbiology	Physiological Reviews
Ecological Monographs	Plant Science Bulletin
Integrative & Comparative Biology	Science
International Journal of Systematic and	Science News
Evolutionary Microbiology	
<i>Some Chemistry Periodicals</i>	
Analytical Chemistry	Journal of Chemical Education
Chemical & Engineering News	Journal of Organic Chemistry
Chemical Reviews	Journal of the American Chemical
Environmental Science & Technology	Society
Inorganic Chemistry	Water Research

To construct a bibliography, please use RefWorks.

RefWorks

RefWorks is an online research management, writing and collaboration tool and it is designed to help researchers easily gather, manage, store and share all types of information, as well as generate citations and bibliographies.

Scientific Style and Format: The CBE Manual for Authors, Editors, and Publishers (Reference Desk) Ref T11 .S386 1994

Scientific Writing for Graduate Students : A Manual on the Teaching of Scientific Writing (General Collection) T11 .S39 1986

American Medical Association Manual of Style : A Guide for Authors and Editors (General Collection) R 119 .A533 1998

MLA Style Manual and Guide to Scholarly Publishing
(Circulation Reserve)

MLA Handbook for Writers of Research Papers
(Reference Desk)

Publication Manual of the American Psychological Association
(Circulation Reserve)

Electronic Styles: A Handbook for Citing Electronic Information
(Reference Desk)

See also the Citation Machine online.

<http://citationmachine.net/>