

Ferdinand D. Bluford Library

A SELECTIVE GUIDE TO MATERIALS AND RESOURCES IN EARTH AND ENVIRONMENTAL SCIENCES

This selective guide contains a bibliography of titles and electronic resources that will assist the students in locating materials for Earth and Environmental Sciences. It outlines a general approach to finding materials and resources housed in the F.D. Bluford Library and also electronic sources that may be on the internet or on CD-Roms. This guide will help students organize their research and at the same time give them some tips on research strategy. Remember that researching any topic can seem overwhelmingly difficult.

Using the Catalog

Establishing what resources the library owns on the subject you are researching should be your first priority. In order to find that information, the student must use the online catalog in our library. The INNOPAC can be searched by **AUTHOR, TITLE, KEYWORD, JOURNAL TITLE** and by **SUBJECT HEADING**. If you are going to do a **keyword search** you can either enter a word that may appear in the title or in the description of the work. If you are going to do a **subject search** you should use the [Library of Congress Subject Headings](#) located next to the computer workstations to help you determine the correct heading to use. There are several other options on narrowing or limiting your search and on identifying similar titles. Please refer to the INNOPAC Handout at the Information Center for more detailed instruction or ask for assistance from a Reference Librarian.

Encyclopedias

Encyclopedias are also a good place to start, especially if you are unfamiliar with the topic.

Articles in encyclopedias are often written by recognized authorities and tend to provide established facts and ideas about the topic, its history, basic theories, and important persons who have written related articles. Also, most encyclopedia articles close with a bibliography that may help you to establish your literature search.

Note: When using encyclopedias, first consult the index volume, usually the last volume of the set. This will tell you if your topic has an article devoted entirely to it or if it is discussed within an article on a related subject.

Encyclopedia of Climate & Weather – **A&T Ref QC 854 E523 1996**

Encyclopedia of Environmental Biology – **A&T Ref QH 540.4 E52 1995**

Encyclopedia of Environmental Issues – **A&T Ref GE 10. E52 2000**

Encyclopedia of Environmental Science & Engineering – **A&T Ref TD 9. E5 1998**

Encyclopedia of Physical Science & Technology – **A&T Ref Q 123 E497 2002**

Encyclopedia of Science & Technology – **A&T Ref Q121 E53 2001**

Encyclopedia of World Climatology – **A&T Ref QC854 .E525 2005**

The Gale Encyclopedia of Science – **A&T Ref Q 121 G35 2001**

The International Encyclopedia of Science & Technology – **A&T Ref Q 121 I 48 1999**
McGraw-Hill Concise Encyclopedia of Environmental Science – **A&T Ref GE10 .M377 2005**
McGraw-Hill Encyclopedia of Science and Technology – **A&T Ref Q 121 M 3 1997**

Almanacs, Handbooks and Dictionaries

Handbooks and dictionaries can help you throughout your research by providing quick, factual information that you may need to support your ideas. Furthermore, often handbooks have brief instructions, guides, quotations, and examples that may be useful for you to implement into your work. Dictionaries provide brief entries that are quick and helpful sources for the definition or identification of a term, quote, or person.

The Complete Weather Resource – **A&T Ref QC 981 E66 1997**
The Dictionary of Ecology & Environmental Science – **A&T Ref GE 10. D53 1993**
Earth Almanac – **A&T Ref QB 631 G 65 2002**
The Global Warming Desk Reference – **A&T Ref QC 981.8 G56 J24 2002**
Handbook of Research on Science Teaching & Learning – **A&T Ref Q 181 A1 H35 1994**
McGraw-Hill Dictionary of Earth Science – **A&T Ref QE 5. M364 1997**
The New York Public Library Science Desk Reference – **A&T Ref Q 173 B25 1995**
Science & Technology Desk Reference – **A&T Ref Q 173 S354 2002**
The Weather Almanac – **A&T Ref QC 983 W38 2004**
The World of Science – **A&T Ref Q121 W664 1991**

Printed Indexes and Abstracts

To locate articles that are pertinent to your research, you need to use indexes and abstracts to journal and newspaper literature. The printed indexes and abstracts are located in the Reference Collection by call number except Chemical Abstracts which is located in the Stacks. They are especially useful for pre-1990s literature search. The CD-ROMS are located behind the Reference Desk and must be checked out from the desk. Internet accessible products or web databases are available via F.D. Bluford Library's homepage: <http://www.library.ncat.edu>

Applied Science & Technology Index – **A&T REF INDEXES Z 7913 I7 (1958-1999)**
Biological Abstracts - **A&T REF INDEXES QH 301 B37 (1927-2000)**
Chemical Abstracts – **A&T STACKS QD 1. A51**
PAIS Bulletin – **A&T REF INDEXES Z 7163 P9 (1980-1990)**
PAIS International in Print – **A&T REF INDEXES HB1.A1 P9 (1991-2000)**
Social Science Index - **A&T REF INDEXES A13. S62 (1974-1996)**

Electronic Databases

Selecting the best bibliographic database or print index for your information need is an important step in any search for information. Each electronic database and print index is unique in its subject coverage and scope, although there may be some overlap between them.

Academic Search Elite

This scholarly collection provides full text journal coverage for nearly all academic areas of study - including social sciences, humanities, education, computer sciences, environmental sciences,

engineering and physics

AGRICOLA

Is a bibliographic database of citations to the agricultural literature created by the National Agricultural Library. The database covers materials in all formats, including printed works from the 15th century. The records describe publications and resources encompassing all aspects of agriculture and allied disciplines, including earth and environmental science.

Agricultural & Environmental Biotechnology Abstracts

Covers agricultural products involving both plants and animals, new applications across the food industry, wide-ranging environmental products, plant genome studies, etc.

Agricultural Statistics

Covers a wide range of subjects, from traditional crops, such as corn and wheat, to specialties, such as mushrooms and flowers; from calves born to hogs slaughtered; from agricultural prices to land in farms.

Applied Science and Technology

Indexes over 400 core English –language scientific, environmental and technical publications.

Basic BIOSIS

This life sciences database indexes and abstracts journals in many areas including the environment.

Biological and Agricultural Index

Types of materials indexed include feature articles, biographical sketches, reports of symposia and conferences, review articles, abstracts and summaries of papers, selected letters to the editor, special issues or monographic supplements, and book reviews.

Books in Print with Reviews

Provide patrons with printed reviews along with bibliographic data.

Cambridge Scientific Abstracts

Cambridge Scientific Abstracts provide users with web access to many databases in several subject areas including the biological, medical and environmental areas. These databases may be searched separately or in combination.

Dissertation Abstracts Online

Contains information about doctoral dissertations and master's theses from institutions in North America and Europe.

Earth and Environmental Science (Cambridge Scientific Abstracts)

Includes access to: Conference Papers Index, NTIS, Pollution Management and TOXLINE.

Ecology Abstracts

Indexes journal articles, books & other sources on climate impact, conservation, ecosystems, erosion, food chains, habitats, land reclamation, pollution, soil, water resources, etc. Focuses on interactions between organisms their environments.

Encyclopedia Britannica Online

This is the online version of the printed Encyclopedia Britannica.

Environmental Science and Pollution Management Abstracts

Indexes journal articles in the Environmental Sciences. InfoTrac

InfoTrac OneFile provides access to periodical and news information on a diverse set of topics, including the environment and general interest topics.

GeoRef

Contains over 2.2 million references to geoscience journal articles, books, maps, conference papers, reports and theses.

GeoScienceWorld

Core database aggregation of peer-reviewed journals indexed, linked, and inter-operable with GeoRef

JSTOR

Has full-text of back issues of core journals in the humanities, social sciences and sciences

Lexis – Nexis Academic

For environmental students, Lexis-Nexis is especially useful for its coverage of domestic and international newspapers. Students will also find Lexis useful for locating Federal or State legal cases. It also contains a substantial collection of full text magazines.

Lexis – Nexis Environment

A good place to search for journal articles, conference papers and proceedings, and other key sources of information on the environment, covering local to worldwide conditions.

PAIS International (Public Affairs Information Service)

Indexes journals and monographs dealing with political, social and public policy issues.

Pollution Abstracts

Topics covered are from the standpoints of atmosphere, emissions, mathematical models, effects on people and animals, and environmental action in response to global pollution issues.

Project Muse

Provides full-text articles from journals in the humanities, social sciences, and mathematics.

Proquest Newspapers

Proquest newspapers list articles from over 40 national newspapers, including full-text for most.

Science Direct

Is the world's most comprehensive full-text scientific database, providing users with electronic access to over 1,700 scientific, technical, environmental and medical journals.

SciFinder Scholar

Is the leader in providing the most accurate and comprehensive chemical and related scientific information. Ask a librarian how to get on SciFinder Scholar.

Web of Science – Web of Knowledge

A combined citation index which includes the Science Citation Index, the Social Sciences Citation Index and the Arts & Humanities Citation Index.

Wilson Web

Select “OmniFile Full Text Mega,” using the down menu select subject database you wish to search. The eleven databases can be searched simultaneously. Indexing and abstracting for all articles in journals covered by Wilson Web, whether or not they include full text, is included in OmniFile.

WorldCat

Is a catalog showing the holdings of libraries throughout the world.

Print Journals

The following is a list of selected print journals, which are national research and professional publications. Print journals are located on the lower level of the library and current issues are located next to the service desk in alphabetical order. Bound issues are arranged by call number. Some titles are on microform. Be sure to use the Innopac to determine the exact location and format of a particular title.

Ambio	Environmental Health Perspectives
Annual Review of Ecology & Systematics	Environmental Modelling & Software: with
Capitalism, Nature, Socialism	Environmental Data News
Earth	Environmental Science & Technology
Earth Science	Environmental Topics
Ecological Monographs	Geoforum
Ecology	Journal of Animal Ecology
Ecology of Food & Nutrition	The Journal of Ecology

Electronic Journals (EJs)

When you know the name and want to search for an electronic journal, use the “Full Text E- Journals” link at the library homepage. Most of the EJs listed in this section can be accessed via Academic Search Elite. Go to Academic Search Elite, click Publications and type the name of your journal.

Advances in Environmental Research	Global Environmental Change
American Forests	Global Governance
American Midland Naturalists, The	Human Ecology
American Naturalist	Journal of African Earth Sciences
Agriculture, Ecosystems & Environment	Journal of Animal Ecology
Annual Review of Ecology and Systematics	Journal of Applied Ecology
Biochemical Systematics & Ecology	Journal of Asian Earth Sciences
BioCycle	The Journal of Ecology
Bioscience	Journal of Environment & Development
Canadian Geographic	Journal of Environmental Health
Capitalism, Nature, Socialism	Journal of Environmental Management
Chemosphere	Journal of Environmental Planning & Management
Computers & Geosciences	Journal of Environmental Quality
Consequences: The Nature & Implications of Environmental Change	Journal of Environmental Sciences
Earth Island Journal	The Journal of Experimental Marine Biology & Ecology
Earth Science	Journal of Geology
Earth Science Reviews	Journal of South American Earth Sciences
Ecological Economics	Journal of Southeastern Asian Earth Sciences
Ecological Modelling	Journal of Tropical Ecology
Ecological Monographs	Journal of Water Resources Planning & Management
Ecology	Landscape & Urban Planning
Environment	Local Environment
Environment & Behavior	Marine Biology
Environment & Planning A	Marine Environmental Research
Environment & Planning B	Molecular Ecology
Environmental & Experimental Botany	Mother Earth News
Environmental Education Research	National Geographic
Environmental Health Perspectives	National Parks
Environmental Modelling & Software	Natural Resources Forum
Environmental Nutrition	Natural Resources Journal
Environmental Policy & Law	Nature
Environmental Politics	New York State Conservationist
Environmental Science & Technology	Ocean & Coastal Management
Ethics & the Environment	Ocean Development & International Law
FEMS Microbiology Ecology	Pollution Bulletin
Forest Economy & Management	Population & Environment
Functional Ecology	Quarterly Review of Biology
Geological Magazine	Resources
Global & Planetary Change	
Global Ecology & Biogeography Letters	

Science of The Total Environment
Sierra
Soil Science Society of America Journal
Southeastern Naturalist
Space World

Spill Science & Technology
Systematic Biology
Trends in Ecology & Evolution
World Watch

Government Documents

Government Documents cover a broad range of topics including criminal justice; laws and regulations; congressional hearings; Supreme Court opinions; and economic, demographic and agricultural statistics. You can access our Government Documents Collection several ways: through the Innopac Catalog using GPO Access; the printed Monthly Catalog housed in the Index Area; GPO on CD-ROM and using the Internet. These items are classified by the Superintendent of Documents Classification Scheme and must be retrieved using that call number. The library's Government Documents Department is located on the lower level of the library. On the first floor of the library is a workstation dedicated solely to accessing government documents using CD-ROMs or accessing governmental agencies through the Internet.

Statistical Sources

Statistics provide a factual basis for your ideas. Most of the handbooks and electronic resources listed will give some general statistics. The following resources can provide information on very specific topics, either giving the actual data or listing citations to books, articles, or reports that will have the needed information.

Agricultural Statistics 2003
Statistical Abstract of the United States

A&T GSM SERIALS HD1751 A43 2003
A&T Ref HA202.A384 (Current edition on Ready Reference)

Statistical Abstract of the World

A&T Ref HA154.S68 (Current edition on Ready Reference)

Statistical Reference Index
Statistics Sources

A&T Ref Z7554.U5S79
A&T Ref Z7551 S84 2001

Videos

Videos provide another dimension to your topics. You may view videos in the library or check them out for three days.

Acid Rain & Our Forests
Climate & Man
Controlling Air Pollution
Environmentally Friendly Transportation
Global Environment
Urban Ecology

A&T LRC TD 195.56.E35 A36 1993
A&T LRC QC 981.5.C5 C49 1990
A&T LRC T 55.S34 C65 1988
A&T LRC Q 111.S35 E58 1993
A&T LRC QC 912.55 G46 1987
A&T LRC HT 243.A24 U7 1991

Internet Resources

EnviroLink

A non-profit organization providing access to thousands of online environmental resources.

Access <http://www.vironlink.org>

EPA Web Page

EPA's mission is to protect human health and to safeguard the natural environment — air, water, and land — upon which life depends. For 30 years, EPA has been working for a cleaner, healthier environment.

Access <http://www.epa.gov/>

International Environment House

Some members of the Geneva Environment Network produce unique environmental databases containing valuable information on pollution, climatic issues, wetland ecosystems, biological diversity, endangered species and chemicals.

Access <http://www.environmenthouse.ch>

USDA Forest Service International Programs

Promotes sustainable forest management and biodiversity conservation internationally.

Access <http://www.fs.fed.us/global/>

The U.S. Geological Survey

Federal source for science about the Earth, its natural and living resources, natural hazards, and the environment.

Access <http://www.usgs.gov/>

World Conservation Monitoring Centre

The *UNEP World Conservation Monitoring Centre* provides information services on conservation and sustainable use of the world's living resources, and helps others to develop information systems of their own.

Access <http://www.unep-wcmc.org/>