Environmental Sciences LibGuide

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Abstract:

The Environmental Sciences Program is an interdisciplinary undergraduate program at the University of Iowa. It includes faculty from the Departments of Anthropology, Geography, Biology, Geoscience, Chemistry, and Civil and Environmental Engineering. Students pursuing a BS in Environmental Sciences can pursue one of four tracks: Biosciences, Chemical Sciences, Geosciences, or Hydrosciences. The four tracks are very different, however there is some overlap with elective courses and there is a set of required foundations courses that all students must take. The interdisciplinary nature of any environmental science topic requires a student to have access to resources across many disciplines. This potential overlap in information needs lead to the decision to create one LibGuide for the Environmental Sciences Program. This guide will serve as a general guide to environmental resources for all of the students in the program. Future guides may be created that focus on resources for each of the four specific tracks in the Environmental Sciences Program.

Keywords:
- environment | subject guide | LibGuide | environmental science | environmental resources
This guide is designed to help students in the Environmental Sciences Program locate resources and information.

Welcome to the Environmental Sciences LibGuide! This guide is a collection of resources that will help you find and use information related to environmental science. The guide includes News from variety of sources.

Databases to help you locate Journal Articles. A list of Electronic Journals for you to browse. A collection of encyclopedia, dictionaries, and ways to search for Books & E-books. Resources to locate environmental Law information. A helpful collection of environmental science Links, including website, databases, and organizations. If you have any questions, or just need some help, please Contact a Librarian!
Environmental Sciences

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URL: http://guides.lib.uiowa.edu/environment

Print/Mobile Guide | RSS Updates


- Pelicans, Back from Brink of Extinction, Face Threat From Oil Spill
- BP Funneling Some of Leak to Surface
- Obama Warns BP on Paying Big Dividends Amid Oil Spill

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News: Environmental Protection Agency

- Kansas City Pesticide Manufacturer to Pay $6,000 Civil Penalty for Importing Misbranded Pesticide from Argentina (MO)
- EPA Marks World Environment Day (HQ)
- Schirm USA, Inc. Eliminating Priority Chemical from Manufacturing Process (TX)

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News: BBC - Science & Environment

- Successful blast-off for Falcon 9
- Obama warning over Gulf optimism
- Lead poisons 100 Nigeria children

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News: NPR Topics - Environment

- New BP Ads Don't Make Things Right With Locals
- Revisiting The Gulf, Obama Not Yet Optimistic
- Gulf Gusher Capped, But Still Pouring Oil

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Podcast: NPR - On Science

- Einstein's brain in a mayonnaise jar! And space, oil and mutants at the movies
- Oil, Oil Everywhere...
- Artificial Life, Oil Spill, Climate Change and more
- NPR oil spill exclusive, and wooly mammoths live again - sort of

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CSA Illustrata: Natural Sciences is the first in a series of CSA Illustrata databases of searchable tables, figures, graphs, charts and other illustrations from the scholarly research and technical literature.

More Databases:

1. **AGRICOLA** to search NAL's Online Public Access Catalog and Journal Article Citation Index.
2. **BioOne** a collection of the full texts of various research journals focused on the biological, ecological and environmental sciences.
3. **Econlit** includes journal articles, essays, research papers, books, dissertations, book reviews, and working papers. Search for environmental economics sources.
4. **Elsevier Science Direct** search full text collection of over 1,000,000 articles from 1995 to present covers a variety of subject areas and disciplines.
5. **Energy Citations Database** provides access to DOE publicly available citations from 1948 through the present, with continued growth through regular updates.
6. **GeoRef** search references and selected abstracts to the world's literature in geology, covering North America since 1785 and other areas since 1933.
7. **GreenFILE** research database focusing on the relationship between human beings and the environment, with well-researched but accessible information on topics ranging from global warming to recycling to alternate fuel sources and beyond.
8. **Nature Publications** search NPG journals.
9. **SpringerLink** search Springer scientific journals.
10. **TOXNET** provides access to the TOXNET system of databases on toxicology, hazardous chemicals, environmental health, and toxic releases.
11. **Wiley InterScience** provides access to over 3 million articles across nearly 1500 journals and 7000 Online Books and major reference works.
What is Impact Factor?

"The impact factor, often abbreviated IF, is a measure reflecting the average number of citations to articles published in science and social science journals. It is frequently used as a proxy for the relative importance of a journal within its field, with journals with higher impact factors deemed to be more important than those with lower ones. The impact factor was devised by Eugene Garfield, the founder of the Institute for Scientific Information (ISI), now part of Thomson Reuters. Impact factors are calculated yearly for those journals that are indexed in Thomson Reuter's Journal Citation Reports." (Wikipedia, 2009)

High Impact Environmental Science Journals

Following is a list of a few high impact environmental science journals (according to ISI Web of Knowledge) that UI has in its electronic journal collection:

1. Environmental health perspectives is the peer-reviewed journal of the United States' National Institute of Environmental Health Sciences
2. Global change biology exists to promote understanding of the interface between all aspects of current environmental change and biological systems
3. Frontiers in ecology and the environment consists of peer-reviewed, synthetic review articles on all aspects of ecology, the environment, and related disciplines
4. Conservation biology is the journal for the Society of Conservation Biology
5. Annual review of environment and resources
6. Environmental science and technology authoritative source of information for environmental professionals presenting magazine and research content
7. Global biogeochemical cycles includes papers in the broad areas of global change involving the geosphere and biosphere
8. Global environmental change is an international, interdisciplinary journal spanning the social and natural sciences
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Environmental Sciences

On-line Encyclopedias and Dictionaries

- EPA Terms of Environment
- Oxford Reference Online Premium: Earth and Environmental Sciences
- A dictionary of environment and conservation, 2007
- The environment dictionary, 1998

Print Dictionaries

- The facts on file dictionary of environmental science, 2007
- Dictionary of agriculture and environmental science, 2003
- Environmental engineering dictionary, 4 edition, 2005
- Longman dictionary of environmental science, 1998
- The Dictionary of ecology and environmental science, 1993
- Collins reference dictionary, environmental science, 1990
- More Dictionaries.........

Print Encyclopedias

- The environment A to Z, 2001
- Encyclopedia of environmental issues, 2001
- Encyclopedia of environmental science, 2000
- Conservation and environmentalism : an encyclopedia, 1995
- McGraw-Hill encyclopedia of environmental science & engineering, 1993
- More Encyclopedias.........

WorldCat

Use WorldCat to locate books relevant to your topic. If UI does not have the book, you can request it through Interlibrary Loan.

- WorldCat
Environmental Sciences

Dictionaries

- Dictionary of environmental law, 2000
- Dictionary of environmental science for lawyers, 1997
- Butterworths environmental management and law dictionary, 1997
- The Dictionary of environmental law and science, 1994
- Environment and the law: a dictionary, 1995

Encyclopedias

- Indigenous peoples and environmental issues: an encyclopedia, 2003
- International encyclopedia of environmental politics, 2002
- The environment A to Z, 2001

Environmental Policy Resources

- UI catalog search: Subject - Environmental Policy
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1. CDIAC: Carbon Dioxide Information Analysis Center
2. U.S Environmental Protection Agency: Resources
3. US Global Change Research Program
4. World Meteorological Organization
5. UNdata
6. Iowa DNR GIS Library
7. AirData: access to air pollution data
8. CIESIN: Center for International Earth Science Information Network
9. Earth Trends: Environmental Information
10. Trends: A Compendium of Data of Climate Change
11. MORE eRESOURCES

Organizations

1. US Environmental Protection Agency (EPA)
2. US Geological Survey (USGS)
3. Iowa Department of Natural Resources (IDNR)
4. Iowa Geological Survey
5. Environment Canada
6. European Union: Environment
7. United Nations Environmental Program
8. International Union for Conservation of Nature and Natural Resources

Additional Resources

1. E-Print servers in Environmental Sciences and Ecology
2. E-Print servers in Environmental Management and Restoration Technologies
3. Preprint Resources on the Web
4. US EPA: Enviro-Science E-print Services

Scirus

A science-specific Internet search engine powered by Elsevier. A search will lead to full-text journal articles in e-journals the library subscribes to, as well as free resources on the Web.

Environmental LibGuides

- Dartmouth College
- Texas A&M University
- Princeton University