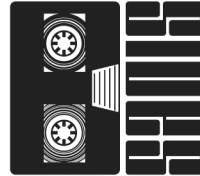


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## Environmental Sciences LibGuide

Leah C. Osterhaus



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**Layout & Identity design** | Colin Smalter

## 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

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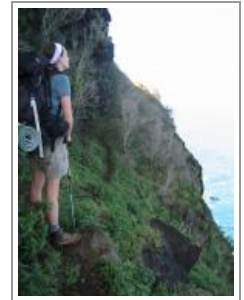
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**Tools**

- [RefWorks](#)  
Import references from online databases to create personal citation databases and produce bibliographies.
- [Research Guides and Tutorials](#)  
Tutorials and guides from the University of Iowa Libraries.
- [Writing Center](#)  
University of Iowa Writing Center helps all in the University community improve their writing.

**Environmental Sciences****Welcome**

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**Leah Osterhaus**

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- [Research Guides and Tutorials](#)  
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- [Writing Center](#)  
University of Iowa Writing Center helps all in the University community improve their writing.

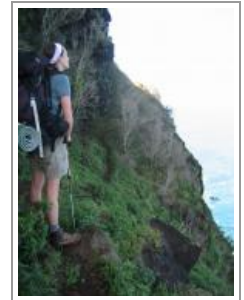
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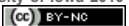
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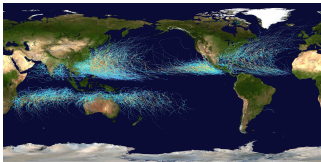
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### How to find Newspaper Articles

- [News and Newspapers LibGuide](#)

### News: New York Times - Environment

- [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 woolly mammoths live again - sort of](#)

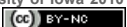
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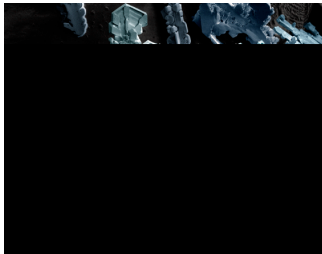
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### Database Spotlight

#### Database: CSA Illustrata

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.

- [CSA Illustrata: Natural Sciences](#)
- [CSA Tutorial - Quick Search](#)
- [CSA Tutorial - Advanced Tutorial](#)

## Find Articles By Searching Databases

### Start here:

1. [ISI Web of Knowledge](#) for cited reference searching of about 50000 core journals.
2. [Science.gov](#) is a gateway to government science information and research results. Search of over 40 scientific databases and 200 million pages of science information with just one query, and is a gateway to 1,950+ scientific Website
3. [CSA Illustrata: Natural Sciences](#) is a database 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.

## ISI Web of Knowledge

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## RefWorks


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## Google Scholar

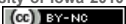

 

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## What is Impact Factor?

"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)

## Environmental Science Journals

There are a variety of ways to find and select journals at University of Iowa Libraries. You can....

- Conduct a search of the UI catalog for [Environmental Science Journals](#) in UI's collection
- Browse the [A-Z list of all electronic journals](#) in the UI collection
- Use ISI Web of Knowledge to find [Environmental Science Journals by Impact Factor](#)

## 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](#) 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

## RefWorks



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## Google Books Search

## On-line Encyclopedias and Dictionaries

- [EPA Terms of Environment](#)
- [Oxford Reference Online Premium: Earth and Environmental Sciences](#)
- [A dictionary of environment and conservation, 2007](#)
- [McGraw-Hill dictionary of environmental science, 2003](#)
- [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](#)

## Smart Search

Smart Search allows you search a variety of University of Iowa Libraries resources at once.

## E-Books Search

Search the InfoHawk Library Catalog for electronic books




## E-book Databases

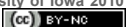
- [ebrary](#)  
A highly interactive eBook database from ebrary that covers all academic subject areas and includes more than 30,000 titles.
- [Springer E-book Collection](#)  
A large package of E-books from Springer Verlag, published between 2005 through 2008 (with selected pre-2005 content).

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### 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](#)

### Databases

- [LexisNexis Congressional](#)
- [Lexis Nexis Academic](#)
- [Lexis Nexis Government Periodicals Index](#)
- [HeinOnline](#)

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- [Chemistry](#)
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- [Geography](#)
- [Geoscience](#)

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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.

- [Scirus](#)

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- [Dartmouth College](#)
- [Texas A&M University](#)
- [Princeton University](#)

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