

ENVIRONMENTAL ANALYSIS

Following is some general information about resources and tools to assist researchers in the field of Environmental Analysis. This list is just a sampling of what the Quimby Library has in its collection.

FINDING BOOKS

The library's holdings are best accessed through Minerva, our online catalog. This system can be searched by author, title, subject heading, or key word. Help in using the system is available online and at the reference/circulation desk. The library catalog [<http://minerva.maine.edu/search~S96?/>] can be accessed from the library as well as your home or office via the internet.

The library holdings are arranged by the Library of Congress Classification system and uses Library of Congress subject headings. Examples of possible subjects include:

Arsenic; Biochemistry; Biology – Authorship; Bioremediation; Chemistry, analytic; Chemistry, organic; Copper; Ecology; Environmental chemistry; Environmental geology; Environmental health; Environmental impact analysis; Environmental monitoring; Forest soils; Geology; Groundwater – Pollution; Groundwater flow; Hazardous wastes; Hydrogeology; Lead; Limnology; Metals; Mountain soils; Organic compounds - Environmental aspects; Physical geology; Phyto remediation; Pollutants; Pollution – Measurement; Report writing; Separation (Technology); Soil chemistry; Soil pollution; Soil remediation; Soil science; Soils; Technical writing; Water chemistry; Water – Purification; Water quality; Water-supply; Water, Underground – Purification; Wells

REFERENCE SOURCES

Annual review of ecology and systematics **QH540 .A53**

Annual review of ecology, evolution, and systematics **QH540 .A53**

Basic concepts of environmental chemistry / D.W. Connell **TD193 .B37 2005**

Communication skills for conservation professionals / Susan K. Jacobson. Island Press, 2009. **QH75 .J335 2009**

The concise Oxford dictionary of ecology **REF QH540.4 .C66 1994**

CRC handbook of chemistry and physics: a ready-reference book of chemical and physical data
REF QD65 .H3 2002

Dazzle 'em with style : the art of oral scientific presentation / Robert R.H. Anholt. Elsevier Academic Press, c2006. **Q223 .A63 2006**

Dictionary of waste and water treatment **REF TD9 .S37 1981**

Doing honest work in college : how to prepare citations, avoid plagiarism, and achieve real academic success / Charles Lipson. **PN171.F56 L56 2004**

Elements of environmental chemistry / Ronald A. Hites. **TD193 .H58 2007**

Encyclopedia of environmental issues **REF GE10 .E52 2000**

Encyclopedia of life sciences / Nature Publishing Group (20 vols.) **REF QH302.5 .E54 2002**

Environmental Contaminants Encyclopedia / National Park Service
<http://www.nature.nps.gov/hazardssafety/toxic/>

The environmental resource handbook. **REF GE20 .E586 2003/04**

Facts on File dictionary of geology and geophysics **REF QE5 .L29 1987**

Farm chemicals handbook. **REF 631.8 F229 1992**

Field indicators for identifying hydric soils in New England: version 2 **REF S594 .F55 1998**

Glossary of geology **REF QE5 .B38 1987**

Glossary of soil science terms / Soil Science Society of America **REF S592 .G58 1997**

Grant & Hackh's chemical dictionary: American, international, European, and British usage : containing the words generally used in chemistry, and many of the terms used in the related sciences of physics, medicine, engineering, biology, pharmacy, astrophysics, agriculture, mineralogy, etc., based on recent scientific literature. **REF QD5 .H3 1987**

Handbok of environmental analysis / Roy-Keith Smith. 4th ed **TD194 .S65 1999**

Handbook of environmental analysis : chemical pollutants in air, water, soil, and solid wasters / P. Patnaik
TD193 .P38 1997

Handbook of environmental data on organic chemicals / Verschueren, K. **REF TD196.O73 V47 1983**

Handbook of environmental fate and exposure data for organic chemicals **REF TD176.4 .H69 1989**

Handbook of environmental health and safety: principles and practices / H. Koren **REF RA565 .K67 1991**

Hawley's condensed chemical dictionary **REF QD5 .C5 1993**

IUPAC Compendium of Chemical Terminology (2nd ed. 1997) <http://goldbook.iupac.org/>

Keys to soil taxonomy **S592.16 .K44 1998**

Lab math: a handbook of measurements, calculations, and other quantitative skills for use at the bench / D.S. Adams **REF QA40 .A34 2003**

Macmillan encyclopedia of chemistry **REF QD4 .M33 1997**

McGraw-Hill encyclopedia of the geological sciences **REF QE5 .M29 1988**

McGraw-Hill encyclopedia of environmental science & engineering 3rd ed. **REF GE10 .M38 1993**

McGraw-Hill encyclopedia of science & technology 9th ed. **REF Q121 .M3 2002**

Principles of environmental sampling / ed. L.H. Keith **628.5028 P935**

Scientific style and format : the CSE manual for authors, editors, and publishers **REF T11 .S386 2006**

Scientific writing and communication : papers, proposals, and presentations / Angelika H. Hofmann. Oxford University Press, 2010. **Q223 .H63 2010**

Soil taxonomy: a basic system of soil classification for making and interpreting soil surveys
REF S592.16 .S65 1999

Study and communication skills for the biosciences / Stuart Johnson and Jon Scott Oxford University Press, 2009 **QH315 .J64 2009**

Writing for science / R. Goldbort **T11 .G626 2006**

Digital Book Index <http://www.digitalbookindex.com/about.htm>

National Academy Press (Full text of over 3000 titles) <http://books.nap.edu/index.html>

FINDING JOURNAL ARTICLES AND CONFERENCE REPORTS

The following abstracting/indexing databases will help you find published non-book literature.

Academic Search Complete (EBSCOhost) <http://libraries.maine.edu/mainedatabases/authmaine.asp?db=asc>

Agricola (EBSCOhost) <http://libraries.maine.edu/mainedatabases/authmaine.asp?db=ag>

Aquatic Sciences and Fisheries Abstracts <http://libraries.maine.edu/mainedatabases/authmaine.asp?db=asf>

Environment Complete (EBSCOhost) <http://libraries.maine.edu/mainedatabases/authmaine.asp?db=eih>

Georef <http://libraries.maine.edu/mainedatabases/authmaine.asp?db=gr>

Scirus <http://www.scirus.com/srsapp/>

JOURNALS

Bioscience

Ecological restoration

Environmental health perspectives <http://ehpnet1.niehs.nih.gov/docs/monthly.html>

Environmental protection : management and problem-solving for environmental professionals

The journal of biological chemistry <http://www.jbc.org/>

Journal of Environmental Quality <http://jeq.scijournals.org/> [full text after 18 months]

Journal of Environmental Sciences <http://search.epnet.com/direct.asp?jid=LES&db=aph>

Journal of Soil and Water Conservation

New England water & wastewater news

Renewable resources journal

Restoration ecology

For a complete list of our journal holdings go to: <http://www.unity.edu/library/periodicals.asp>

ONLINE ARTICLES

Cambridge Scientific Abstracts – Discovery Guides

Arsenic: an abundant natural poison / Andreas Saldivar & Vicki Soto (March 2009)

<http://www.csa.com.prxy2.ursus.maine.edu/discoveryguides/arsenic/review.php?SID=h25rjr0ekmrgac2r9ee9d154q7>

Asbestos in the United States: occurrences, use and control / Andreas Saldivar & Vicki Soto (April 2008)

<http://www.csa.com.prxy2.ursus.maine.edu/discoveryguides/asbestos/review.php?SID=h25rjr0ekmrgac2r9ee9d154q7>

Brownfields: the financial, legislative and social aspects of the redevelopment of contaminated commercial and industrial properties / Pam McKeehan (August 2000)

<http://www.csa.com.prxy2.ursus.maine.edu/discoveryguides/brown/overview.php?SID=h25rjr0ekmrgac2r9ee9d154q7>

Highways and environmental impact issues (April 2005)

<http://www.csa.com/discoveryguides/ern/05apr/overview.php>

Ice core proxy methods for tracking climate change (February 2006)

<http://www.csa.com/discoveryguides/icecore/review.php?SID=q11j5vmkki545e4171ce5uc3r6>

Radon in drinking water issues (February 2000)

<http://www.csa.com.prxy2.ursus.maine.edu/discoveryguides/ern/00feb/overview.php?SID=h25rjr0ekmrgac2r9ee9d154q7>

Wetlands: history and restoration issues (September 2003)

<http://www.csa.com/discoveryguides/ern/03sep/overview.php>

VIDEOS/DVDs

Ceriodaphnia: EPA test methods for freshwater effluent toxicity tests **VIDEO 628.168 En89c**

How dissolved oxygen measurement works / A YSI Training Video **VIDEO 628.16 H83**

Introduction to water quality testing **VIDEO 628.161 In8**

Keeping our waters clean: TMDL / Information Television Network. **DVD 628.168 K254**

Procedures in water quality management **VIDEO 628.16 P941**

Toxic wastes / Hawkhill Associates **VIDEO 363.7384 T667**

Water quality dynamics **VIDEO 628.16 W291**

Writing for the sciences [videorecording] : the lab report. **VIDEO 808.066 W939**

SOCIETIES/ASSOCIATIONS

American Chemical Society <http://www.acs.org/>

AOAC (Association of Analytical Communities) International <http://www.aoac.org/>

Association of Maine Environmental Laboratorians (AMEL)

GREEN (Global Rivers Environmental Education Network) <http://www.green.org/>

International Association of Environmental Analytical Chemistry (IAEAC) <http://www.iaeac.ch>

Maine Rural Water Association (MRWA) <http://www.mainerwa.org/>

Maine WasteWater Control Association <http://www.mwwca.org/index.htm>

New England Water Environment Association (NEWEA) <http://www.newea.org/>

Soil and Water Conservation Society <http://www.swcs.org/>

Soil Science Association of America <https://www.soils.org/>

United States Consortium of Soil Science Associations <http://soilsassociation.org/>

GOVERNMENT SITES

Maine Department of Environmental Protection <http://www.maine.gov/dep/>

Maine Department of Transportation: Environment <http://www.state.me.us/mdot/Environment.php>

U.S. Department of Energy – National Environmental Policy Act Program <http://www.eh.doe.gov/nepa/>

U.S. Environmental Protection Agency <http://epa.gov/>

U.S. Geological Survey <http://www.usgs.gov/>

USA.gov The U.S. Government's official web portal <http://www.usa.gov/>

WEB SITES

Chemicals in the environment: OPPT chemical fact sheets <http://www.epa.gov/chemfact/>

Encyclopedia of life <http://www.eol.org/>

Environmental Fate Data Base <http://www.syrres.com/esc/efdb.htm>

Environmental Protection Agency – Search your Community (Envirofacts – enviroMapper – Surf your watershed – UV index) <http://www.epa.gov/epahome/commsearch.htm>

Green Chemistry / US EPA <http://www.epa.gov/greenchemistry/index.html>

National Library for the Environment <http://www.ncseonline.org/NLE/>

National Soil Information Center <http://soils.usda.gov/>

Natural Resources Conservation Service <http://soils.usda.gov/>

TOXNET <http://toxnet.nlm.nih.gov/>

Water Quality Information Center (NAL) Online documents <http://grande.nal.usda.gov/wqic/>

Western waters digital library <http://www.westernwaters.org/>

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