

CHEMISTRY

Following is some general information about resources and tools to assist researchers in the field of Chemistry. 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:

Atmospheric chemistry; Biochemistry; Chemical processes; Chemicals; Chemistry; Chemistry, agricultural; Chemistry, analytical; Environmental chemistry; Environmental sampling; Environmental toxicology; Flame spectroscopy; Hydrogeology; Limnology; Oceanography; Organic compounds; Persistent pollutants – Environmental aspects; Photochemical smog; Pollutants; Pollutants – analysis; Water chemistry; Water quality bioassay; Wood – Chemistry

REFERENCE SOURCES

1001 chemicals in everyday products / Grace Ross Lewis. **REF TP200 .L49 1994**

The art of scientific writing : from student reports to professional publications in chemistry and related fields
QD9.15 .E23 1987

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

Chemical information manual. **REF RA1229.3 .C48 1991**

A consumer's dictionary of household, yard, and office chemicals / Ruth Winter. **REF RA770.5 .W56 1992**

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**

A dictionary of chemistry **QD5 .D4985 2008**

Ecotoxicological testing of marine and freshwater ecosystems : emerging techniques, trends, and strategies / ed. by P.J. den Desten & M. Munawar. **QH90.75 .B5 E29 2005**

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

Encyclopedia of the sea / written and illustrated by Richard Ellis. **REF GC9 .E38 2000**

Environmental field testing and analysis ready reference handbook / D.A. Drum, S.L. Bauman, & G.J. Shugar
TD193 .D78 2001

The essential guide to analytical chemistry / Georg Schwedt **REF QD75.2 .S3913 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**

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

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

Hazardous chemicals desk reference / Richard J. Lewis, Sr. **REF T55.3.H3 S33 1997**

Introduction to green chemistry / Albert S. Matlack **TP155.2 .E58 M38 2001**

IUPAC compendium of chemical terminology <http://goldbook.iupac.org/>

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**
The Merck index : an encyclopedia of chemicals, drugs, and biologicals **REF RS51 .M4 1989**
NIST Chemistry WebBook <http://webbook.nist.gov/chemistry/>
Official methods of analysis of the Association of Official Analytical Chemists **REF S587 .A73 1980**
Rapid guide to hazardous chemicals in the environment **REF RA1226 .P64 1997**
Scientific writing and communication : papers, proposals, and presentations / Angelika H. Hofmann. Oxford University Press, 2010. **Q223 .H63 2010**
The Water encyclopedia **REF TD351 .V36 1990**
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>

JOURNALS /E-JOURNALS

Atmospheric Chemistry & Physics
<http://search.ebscohost.com/login.aspx?direct=true&db=eih&jid=1C12&site=ehost-live>
Beilstein Journal of Organic Chemistry <http://www.bjoc.beilstein-journals.org/>
Biochemistry & Cell Biology <http://search.epnet.com/login.aspx?direct=true&db=aph&jid=35G>
Biogeochemistry <http://search.epnet.com/login.aspx?direct=true&db=aph&jid=KP2>
Bioinorganic Chemistry and Applications <http://www.hindawi.com/GetJournal.aspx?journal=BCA>
Biological Chemistry <http://search.ebscohost.com/login.aspx?direct=true&db=aph&jid=0FB&site=ehost-live>
Bioscience, Biotechnology, and Biochemistry <http://www.jstage.jst.go.jp/browse/bbb>
Canadian Journal of Chemistry <http://search.epnet.com/direct.asp?jid=35D&db=aph>
Canadian Journal of Earth Sciences <http://search.epnet.com/direct.asp?jid=35F&db=aph>
Chemical Speciation & Bioavailability
<http://search.ebscohost.com/login.aspx?direct=true&db=eih&jid=KPC&site=ehost-live>
Chemistry <http://acswebcontent.acs.org/chemistry/index.html>
Critical Reviews in Analytical Chemistry
<http://search.ebscohost.com/login.aspx?direct=true&db=eih&jid=1AT&site=ehost-live>
Critical Reviews in Biochemistry & Molecular Biology
<http://search.ebscohost.com/login.aspx?direct=true&db=eih&jid=1AU&site=ehost-live>
Environmental Chemistry <http://www.publish.csiro.au/?nid=188>
FEBS Journal <http://www.blackwell-synergy.com/servlet/useragent?func=showIssues&code=ejb>
FEBS Letters <http://www.elsevier.com/febs/show/>
Geochemical Transactions <http://www.geochemicaltransactions.com/>
Journal of Biological Chemistry <http://www.jbc.org/>
Journal of Environmental Sciences <http://search.epnet.com/direct.asp?jid=LES&db=aph>
Journal of Physical & Chemical Reference Data <http://www.nist.gov/srd/reprints.htm>
Physiological and Biochemical Zoology <http://www.journals.uchicago.edu/PBZ/home.html>
South African Journal of Chemistry <http://search.epnet.com/login.aspx?direct=true&db=aph&jid=SCY>
The following site has a large list of full-text chemistry journals – years vary by title
<http://www.abc.chemistry.bsu.by/current/fulltext.htm>

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

VIDEO'S/DVDs

Basic chemistry for biology students **VIDEO 540 B292**

Chemical cycles in the biosphere [videorecording] / Hawkhill Video **VIDEO 574.19 C420**

The world of chemistry **VIDEO 540 W893 v1/2**

ASSOCIATIONS/ORGANIZATIONS/SOCIETIES

American Chemical Society <http://acswebcontent.acs.org/home.html>

American Chemistry Council http://www.americanchemistry.com/s_acc/index.asp

AOAC International <http://www.aoac.org/>

Chemical Heritage Foundation <http://www.chemheritage.org/>

International Society of Chemical Ecology <http://www.chemecol.org/>

International Society of Environmental Bioindicators (ISEBI) <http://bioindicators.org/>

Royal Society of Chemistry <http://www.rsc.org/>

Society of Chemical Industry <http://www.soci.org/SCI/index.jsp>

Soil Science Society of America (SSSA) <http://www.soils.org/>

VTT <http://www.vtt.fi/services/cluster5/?lang=en>

WEB SITES

Chem1 virtual textbook <http://www.chem1.com/acad/webtext/virtualtextbook.html>

The ChemCollective. Online resources for teaching and learning chemistry <http://ir.chem.cmu.edu/>

Chemguide: helping you understand chemistry <http://www.chemguide.co.uk/index.html#top>

ChemSpider <http://www.chemspider.com/>

Dynamic Periodic Table <http://www.ptable.com/>

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

Explore the History of Chemistry <http://www.chemheritage.org/explore/explore.html>

GEOROC: Geochemistry of rocks of the oceans and continents <http://georoc.mpch-mainz.gwdg.de/georoc/>

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

Periodic Table <http://acswebcontent.acs.org/games/pt.html>

Periodic Table of Videos <http://www.periodicvideos.com/index.htm#>

Toxnet : Databases on toxicology, hazardous chemicals, environmental health, and toxic releases
<http://toxnet.nlm.nih.gov/>

The World of Chemistry <http://www.learner.org/resources/series61.html>