



http://www.keystone.edu/Miller_Library

Library Guide

Chemistry and Biochemistry Subject Guide

This subject guide will help you access Chemistry and Biochemistry–related resources in the Miller Library. This guide will lead you to reference materials, books, journals, magazines, newspapers, associations, internet resources & government documents available through the Library’s holdings, services and databases. It will also direct you to on-line locations of full-text journals. As always, carefully evaluate all sources before you choose to integrate them into your papers, assignments and presentations.

This guide will help provide general information that will be helpful in the beginning stages of research. If you have a very specific topic in mind, consult more specific resources that more closely examine your chosen area.

Reference Books

- CRC Handbook of Laboratory Safety*. (2000)-- REF 542.1 F989c 2000
- The Usborne Illustrated Dictionary of Chemistry*. (2000)--REF 540 W4997 2000
- Dictionary of Microbiology and Molecular Biology* (2001)--REF 579.03 S617d 2001
- Bergey's Manual of Systematic Bacteriology* (2005)--REF 579.3 B496 2005
- The Cambridge Dictionary of Human Biology and Evolution* (2005)—REF 612 M217c 2005

Adult Non-fiction

- The art of chemistry: myths, medicines, and materials* (2003)--540.9 G798a 2003
- Foods: experimental perspectives* (2000)--644 M177f 2000
- Mixtures & compounds* (2002)--540 S642m 2002
- Bacterial disease mechanisms: an introduction to cellular microbiology* (2002)--616.014 W751b 2002

Library of Congress Subject Headings

These subject headings may be used when searching for books and other materials related to Chemistry. They are most useful for searching online catalogs, but they can also be used in searching indexes and abstracts as well as the Internet.

UF-Used for, BT-Broader term, RT-Related term, NT-Narrower term, SA-See also

Chemistry	Biochemistry
BT Physical Sciences	NT Chemistry, Organic
SA Chemistry(headings starting with)	NT Toxicological Chemistry
NT Biochemistry	UF Chemical symbols
NT Chemistry, Forensic	UF Chemical abbreviations
NT Chemistry, Inorganic	UF Chemical symbols
NT Chemistry, Organic	
NT Toxicological Chemistry	NT Chemistry, Organic
UF Chemical symbols	NT Toxicological Chemistry
UF Chemical abbreviations	UF Chemical symbols
UF Chemical symbols	UF Chemical abbreviations
	UF Chemical symbols

Call Numbers Related to Chemistry

Sometimes, it is difficult to find relevant information through the online catalog. You may prefer to browse the shelves that contain materials related to your topic. The Miller Library uses the Dewey Decimal Classification System, so these are the areas in the collection you might like to browse.

540	Chemistry	579.3	Bacteriology
660	--applied	572	Biochemistry
025.065 4	--information systems	612.015	--humans
541.33	Chemistry of interfaces		

Material Online:

[Chemistry Toolbox](#)

Acronyms, science dictionary, molecular mass calculator and more.

[Chemfinder](#)

Free database from Cambridge Soft. Search by chemical name, molecular formula or by CAS number

[ChemIDPlus](#)

This database contains over 368,000 chemical records, of which over 247,000 include chemical structures.

[Duke University Chemical and Physical Property Information](#)

[Links for Chemists](#)

Maintained at the University of Liverpool, this site lists over 5750 Chemistry resources on the web.

[NIST Chemistry WebBook](#)

Search for thermochemical data, reaction thermochemistry data, IR spectra, Mass spectra, Gas chromatography and much more

[A Visual Interpretation of the Table of Elements](#) An innovative project interpreting the periodic table through "images that explore and reflect upon the diversity of elements that comprise matter." Each of the 109 elements is accompanied by a visual image, as well as a description and history (including origin of name). The site is supported by the Royal Society of Chemistry.

[WebElements](#) An interactive web site based on the periodic table of elements.

On-line Sources/Databases

Research about and using Chemistry is found in the literature of law, crime, politics, science, social science, and psychology. To find related information, look in the indexes listed below under specific cases, theories, segment or evidence. All of the indexes and abstracts listed below can be accessed through Miller Library's home page.

[ArticleFirst](#) [On Campus](#) [Off Campus](#)

ArticleFirst describes items listed on the table of contents page of individual issues of more than 13,000 journals.

[BioMed Central](#) [www](#)

An independent publishing house committed to providing immediate free access to peer-reviewed biomedical research, it offers original research in all biomedical fields - from basic life sciences to clinical medicine.

[EBSCOhost](#) [On Campus](#) [Off Campus](#)

Search multiple Ebsco databases at once.

[Expanded Academic ASAP](#) [On Campus](#) [Off Campus](#)

General interest and scholarly resources across a variety of disciplines.

[FORENSICnetBASE](#) [On Campus](#) [Off Campus](#)

Provides online access to full-text references and books in forensics, criminal justice, homeland security and law enforcement.

[LexisNexis Academic](#) [On Campus](#) [Off Campus](#)

News, current events, business, medicine and law with access to news transcripts.

[Proquest's PA Research I](#) [On Campus](#) [Off Campus](#)

Abstract and full-text database of general interest and scholarly resources.

[ScienceDirect Health & Life Sciences](#) [On Campus](#) [Off Campus](#) [Help using this database](#)

Offers access to over 1000 of Elsevier's full-text, peer-reviewed journals in the Health & Life Sciences and abstract access to other Elsevier journals. Subject areas include medicine, nutrition, forestry, environmental science, biology, biochemistry, plant, water & soil science, neuroscience, immunology and others.

[Science.gov](#) [www](#)

Selected science information from the U.S. Government.

[WorldCat](#) [On Campus](#) [Off Campus](#)

WorldCat contains more than 43 million items owned by libraries around the world. Materials covered in the catalog include: books, internet resources, films, journals, magazines, manuscripts, maps, musical scores, newspapers, slides, sound recordings, and videotapes. WorldCat does not include individual article titles or stories in journals, magazines, newspapers, or book chapters.

Relevant Journals—in the Miller Library

If you are searching for a particular journal, you may want to use the [Locate E-Journals](#) on the Miller Library's [main webpage](#) to determine which database offers full-text access to your chosen title, or you may elect to check the title lists of each database. The following are important journals which deal with **Chemistry and Biochemistry**. The list provided here is not comprehensive:

American Laboratory

PAPER: CURRENT 2 YEARS

BIOSCIENCE

PAPER: JAN 1964 TO APR. 1998

Full-Text in	Proquest 1988-/ Expanded Academic 1989-
Indexed in	Expanded Academic 1984-

Archives of biochemistry and biophysics

Full-Text in	from 01/01/1995 to present in ScienceDirect Health & Life Sciences College Edition
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Beilstein journal of organic chemistry

Full-Text in	from 08/01/2005 to present in Freely Accessible Science Journals
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Biochemistry and cell biology

Full-Text in	from 01/01/1998 to 06/01/2007 in ProQuest Research Library
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Bioorganic & medicinal chemistry

Full-Text in	from 01/01/1995 to present in ScienceDirect Health & Life Sciences College Edition
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Bioorganic & medicinal chemistry letters

Full-Text in	from 01/01/1995 to present in ScienceDirect Health & Life Sciences College Edition
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Bioorganic chemistry

Full-Text in	from 01/01/1995 to present in ScienceDirect Health & Life Sciences College Edition
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Biophysical chemistry

Full-Text in	from 01/01/1995 to present in ScienceDirect Health & Life Sciences College Edition
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BMC biochemistry

Full-Text in	from 2000 to present in Freely Accessible Science Journals
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Chemistry and industry

Full-Text in	from 01/02/1989 to 28 days ago in Expanded Academic ASAP
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Chemistry international

Full-Text in	from 07/01/1997 to present in Freely Accessible Science Journals
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Chemistry Magazine

Full-Text in	from Spring 2007 to present in Freely Accessible Science Journals
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Comparative biochemistry and physiology. Part B, Biochemistry & molecular biology

Full-Text in	from 01/01/1995 to present in ScienceDirect Health & Life Sciences College Edition
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Foundations of chemistry

Full-Text in	from 03/01/1999 to 07/01/2006 in Expanded Academic ASAP
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Inorganic chemistry communications

Full-Text in	from 01/01/1998 to present in ScienceDirect Health & Life Sciences College Edition
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International Journal of Biological Chemistry

Full-Text in	from 2007 to present in Freely Accessible Science Journals
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Internet journal of science, biological chemistry

Full-Text in	from 06/01/1997 to present in Freely Accessible Science Journals
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Journal of analytical chemistry

Full-Text in	from 12/01/2000 to 10/01/2006 in Expanded Academic ASAP
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Journal of biological chemistry

Full-Text in	from 1905 to 1 year ago in Freely Accessible Science Journals
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Journal of computer-aided chemistry

Full-Text in	from 2002 to present in Freely Accessible Science Journals
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Journal of computer chemistry, Japan

Full-Text in	from 2002 to present in Freely Accessible Science Journals
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Journal of mathematical chemistry

Full-Text in	from 03/01/1997 to 07/01/2006 in Expanded Academic ASAP
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Journal of organometallic chemistry

Full-Text in	from 01/01/1995 to present in ScienceDirect Health & Life Sciences College Edition
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Organic Chemistry Highlights

Full-Text in	from 01/13/2004 to present in Freely Accessible Science Journals
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