

*Databases, Web sites, and electronic journals for researchers in the fields of molecular biology, genetics, medicine, marine science, ecology, botany, and more.*

### Databases

**BioOne:** <http://www.bioone.org/>

This database provides full-text access to bioscience research journals focused on the biological, ecological and environmental sciences.

**Cambridge Scientific Abstracts (CSA)<sup>1</sup>:**

<http://www.csa.com/htbin/dbrng.cgi?username=mur3&access=mur3003&adv=1>

A Quick Reference Card from the Cambridge Scientific Abstracts to assist in searching the databases is located at <http://www.csa.com/support/QRC.pdf>. CSA provides access to databases in the areas of science and technology, including:

- **Aquatic Sciences and Fisheries Abstracts:**  
<http://www.csa.com/htbin/dbrng.cgi?username=mur3&access=mur3003&db=aquclust-set-c&adv=1>  
This database provides worldwide literature from 1978 to the present on biological and ecological aspects of marine, freshwater, and brackishwater environment.
- **Toxicology Abstracts:**  
<http://www.csa.com/htbin/dbrng.cgi?username=mur3&access=mur3003&db=toxicology-set-c&adv=1>  
This database provides literature from 1981 to the present on toxicological topics of social poisons, substance abuse and natural toxins. It includes legislation, recommended standards and environmental issues.
- **Water Resources Abstracts:**  
<http://www.csa.com/htbin/dbrng.cgi?username=mur3&access=mur3003&db=water-resources-set-c&adv=1> This database provides abstracts, from 1967 to the present, that address the world's technical and scientific literature on water-related topics covering characteristics, conservation, control, pollution, treatment, use, and management.

**Web of Science:** <http://isiknowledge.com/wos> This Web version of the Science Citation Index allows you to search for science and technology information as well as cited references from 1900 to the present. A search tip sheet is available at: <http://scientific.thomson.com/media/scpdf/webofscienceqrc.pdf>

### Web Sites

#### **Botany, Fisheries, and Ecology**

- **Columbia Basin Research (CBR):** <http://www.cbr.washington.edu/index.html> CBR is a project through the School of Aquatic and Fishery Sciences and the University of Washington that provides information on issues surrounding salmon biology in the Columbia and Snake rivers.
- **National Biological Information Infrastructure:** <http://www.nbii.gov/>  
This website, covering a broad and collaborative program, provides increased access to data and information on the nation's biological resources.
- **Ocean Biogeographic Information System:** <http://www.iobis.org/>. OBIS is developed by the international research program Census of Marine Life and provides global geo-referenced information on marine species. Species can be searched by region, or by taxonomic group, plot distributions on maps, and view data. There are numerous links to sources of individual species.

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<sup>1</sup> Online user guides for these databases are available at: <https://library.pnl.gov/tipsheet/index.asp>

- **USGS Biological Resources-Science Center Locations:** [http://biology.usgs.gov/pub\\_aff/centers.html](http://biology.usgs.gov/pub_aff/centers.html) this website provides links to the U.S. Geological Survey Biological Regional Offices, Biological Resources Science Centers and Biological Resources Libraries.
- **Virtual Library of Biosciences:** <http://vlib.org/Biosciences>. A branch of the Virtual Library Project, this site provides links to botany and other biology websites that contain current and worthwhile information for both professionals and the general public.

### **Molecular Biology, Genetics, and Medicine**

- **BioMed Central:** <http://www.biomedcentral.com>. BMC is an open access, independent publisher that provides immediate and free access to peer-reviewed biomedical research. Research articles are contained in 100+ journals that are published by BioMed Central.
- **MEDLINE/PubMed:** <http://www.ncbi.nlm.nih.gov/entrez/query.fcgi> This National Library of Medicine sponsored bibliographic database covers 14 million citations in the fields of medicine, the health care system, and the preclinical sciences back to the 1950s. It includes links to many sites providing full text articles and other related resources.
- **National Center for Biotechnology Information:** <http://www.ncbi.nih.gov> A national resource for molecular biology information, this Web site provides links to GenBank (molecular sequences and genomic biology information), Nucleotide and Protein Sequences, Protein Structures, Complete Genomes, Taxonomy and more.
- **PNNL's Systems Biology** website: <http://www.sysbio.org/resources/links.stm> This site provides links to pertinent commercial sites, journals and newsletters, databases, institutions and other resources.
- **Virtual Library on Genetics (Biosciences):** [http://www.ornl.gov/hgmis/vl\\_category.html](http://www.ornl.gov/hgmis/vl_category.html) Hosted by the Oak Ridge National Laboratory, this Web site provides links to information on biotechnology, bioterrorism, biocomputing, bioinformatics, genomics, genetics research and more.
- Additional web resources on biology and medicine can be found at: <https://library.pnl.gov/resourcebysubject.asp?subjectid=1> and <https://library.pnl.gov/resourcebysubject.asp?subjectid=43>

### **Electronic Journals and Books**

- The Hanford Technical Library subscribes to hundreds of journals in the fields of biology, genetics, medicine, and environmental sciences. You can access these and other electronic journals at <https://library.pnl.gov/journals.asp>
- **Knovel:** <http://www.knovel.com/> The Knovel Corporation provides hundreds of reference books full-text online. Browse the content of **Biochemistry, Biology & Biotechnology**, *Encyclopedia of Molecular Biology* is just one of many titles included.
- **Springer Collection:** <http://springerlink.com/books/> Access over 8,000 online editions of books and journals in many subjects; including biomedical and life sciences, earth and environmental sciences.

**Literature Searches:** An Information Specialist can assist with your research needs using hundreds of databases. Contact Mary Frances Lembo (372-7441) or Yung Harbison (372-7453) for assistance.

**Document Delivery:** The Technical Library can photocopy articles and conference papers from its collections for a small fee. We can also request items we do not own from commercial sources. Ask the Information Desk for details – 372-7430 or [pnl.techlib@pnl.gov](mailto:pnl.techlib@pnl.gov)