

April 2006

## Beyond the Chemistry Web

Bob Buchanan

Follow this and additional works at: <https://jdc.jefferson.edu/scitechnews>

[Let us know how access to this document benefits you](#)

---

### Recommended Citation

Buchanan, Bob (2006) "Beyond the Chemistry Web," *Sci-Tech News*: Vol. 60: Iss. 2, Article 12.  
Available at: <https://jdc.jefferson.edu/scitechnews/vol60/iss2/12>

This Article is brought to you for free and open access by the Jefferson Digital Commons. The Jefferson Digital Commons is a service of Thomas Jefferson University's [Center for Teaching and Learning \(CTL\)](#). The Commons is a showcase for Jefferson books and journals, peer-reviewed scholarly publications, unique historical collections from the University archives, and teaching tools. The Jefferson Digital Commons allows researchers and interested readers anywhere in the world to learn about and keep up to date with Jefferson scholarship. This article has been accepted for inclusion in Sci-Tech News by an authorized administrator of the Jefferson Digital Commons. For more information, please contact: [JeffersonDigitalCommons@jefferson.edu](mailto:JeffersonDigitalCommons@jefferson.edu).

## Beyond the Chemistry Web ...

Bob Buchanan, Physical Sciences Librarian, Auburn University. Feel free to send recommendations to me at [buchara@auburn.edu](mailto:buchara@auburn.edu).

### CHEMISTRY

- Search the **DrugBank** for nearly 4,300 drugs, including over 1,000 FDA-approved small molecules. This bioinformatics database contains data on both drugs and drug targets with many links to KEGG, PubChem, ChEBI, PDB, Swiss-Prot, and GenBank.  
<http://redpoll.pharmacy.ualberta.ca/drugbank>
- **www.InChI.info** is all about the International Chemical Identifier (InChI). The site provides background, comparison to other formats, and links to InChI software.  
<http://www.inchi.info>
- **Choogle** indexes chemical structures from open-access sources such as chemical catalogs, PubChem, and DrugBank. Search by name or structure.  
<http://choogle.com>

### GENEALOGY

- Have you thought about creating a chemical genealogy for your chemistry faculty or researchers? Adams and Tambouret discuss how they developed one in *J. Chem. Ed* 81(6) 815-817 (2004). **UMass – Chemistry Genealogy** shows an attractive and easy-to-update way to display chemical genealogies.  
<http://www.chem.umass.edu/genealogy>
- The **Chemical Genealogy Database** by Mainz and Girolami is a well referenced source of chemical genealogical information.  
[http://www.scs.uiuc.edu/~mainzv/Web\\_Genealogy](http://www.scs.uiuc.edu/~mainzv/Web_Genealogy)
- **Chemical Genealogy Debates** discusses criteria used to determine predecessors for Michigan State University's **Chemical Genealogy** site.  
[http://www.chemistry.msu.edu/Genealogy/chem\\_gene\\_debate.shtml](http://www.chemistry.msu.edu/Genealogy/chem_gene_debate.shtml)  
[http://www.chemistry.msu.edu/Genealogy/chem\\_gene.shtml](http://www.chemistry.msu.edu/Genealogy/chem_gene.shtml)

### GENERAL

- A 290 page report by OCLC on **Perceptions of Libraries and Information Resources** describes patron preferences and suggests how libraries can better promote themselves.  
<http://www.oclc.org/reports/2005perceptions.htm>

### GENERAL SCIENCE

- Choose from 19 science-related blogs at **ScienceBlogs**, which is sponsored by *Seed*, a new popular science magazine.  
<http://scienceblogs.com>

### WIKIS

- No, I have not joined the "dark side" – some wikis have interesting content. The **Wiki Index** is the best guide to public wikis. Some of the best public chemistry-related wikis are listed below.  
<http://wikiindex.com>
- Twenty labs contribute to **OpenWetWare**, a wiki for biology grad students. Is there anything like this for chemistry? There is some terrific stuff here.  
<http://openwetware.org>
- **Wiki'd Chem** promotes the exchange of college level chemistry teaching materials (lectures, problem sets, solutions, and exams) for teachers and students.  
<http://wikid.chem.yale.edu>
- **Chemistry Bookshelf** is a collection of wiki books, mostly in-progress textbooks.  
<http://en.wikibooks.org/wiki/Chemistry>
- **Flu Wiki** covers influenza from how it infects and the limitations of anti-flu drugs to socio-economic implications and solutions.  
<http://www.fluwikie.com>
- **Mass Spectrometry Terms** is an International Union of Pure and Applied Chemistry (IUPAC) sponsored project.  
<http://www.msterms.com>
- **Wikiomics** is a new wiki that covers bioinformatics.  
<http://wikiomics.org> ❖



CHINA NATIONAL KNOWLEDGE INFRASTRUCTURE

## A billion minds. One URL.

CNKI is a series of online databases offering full-text, article level access to information from China on:

- chemistry
- engineering
- physics
- astronomy
- mathematics

Access academic journals, dissertations, and conference proceedings with an advanced interface allowing searches in English or Chinese.

CNKI – convenient Web access bridging the gap in your Chinese science and engineering collection.



Contact East View for a trial at [china@eastview.com](mailto:china@eastview.com)

[www.eastview.com/science](http://www.eastview.com/science)