

AIHA Internet Resources Digest

Supporting Access to High Quality Online Resources

June 2014



Spotlight on: Resources on Toxicology

T

oxicology is the science concerned with the detection, chemical composition, and biological action of toxic substances or poisons and the treatment and prevention of toxic manifestations. (*MeSH definition*)

Data Bases

TOXNET



TOXNET (TOXicology Data NETwork) is a group of databases covering chemicals and drugs, diseases and the environment, environmental health, occupational safety and health, poisoning, risk assessment and regulations, and toxicology.

It is managed by the Toxicology and Environmental Health Information Program (TEHIP) in the Division of Specialized Information Services (SIS) of the National Library of Medicine (NLM). A mobile version of TOXNET is available. Information in the TOXNET databases covers:

- Specific chemicals, mixtures, and products
- Chemical nomenclature
- Unknown chemicals
- Special toxic effects of chemicals in humans and/or animals
- Citations from the scientific literature

TOXNET provides links to PubMed®, NLM's free web interface to the world's biomedical literature, and to additional sources of toxicological information.

Most visited data bases:

- HSDB
Hazardous Substances Data Bank. Peer-reviewed toxicology data for over 5,000 hazardous chemicals
- TOXLINE
4 million references to literature on biochemical, pharmacological, physiologi-

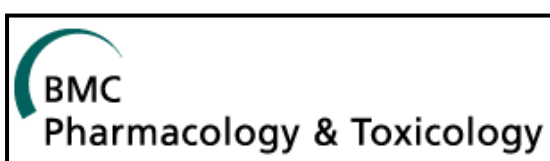
cal, and toxicological effects of drugs and other chemicals

- ChemIDplus
Dictionary of over 370,000 chemicals (names, synonyms, and structures)

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

Journals

BMC Pharmacology and Toxicology



BMC Pharmacology and Toxicology is an open access, peer-reviewed journal that considers articles on all aspects of chemically defined therapeutic and toxic agents. The journal welcomes submissions from all fields of experimental and clinical pharmacology including clinical trials.

<http://www.biomedcentral.com/bmcpharmacoltoxicol/>

Critical Reviews in Toxicology



Critical Reviews in Toxicology provides up-to-date, objective analyses of topics related to the mechanisms of action, responses, and assessment of health risks due to toxicant exposure. The journal publishes critical, comprehensive reviews of research findings in toxicology and the application of toxicological information in assessing human health hazards and risks. Toxicants of concern include commodity and specialty chemicals

such as formaldehyde, acrylonitrile, and pesticides; pharmaceutical agents of all types; consumer products such as macronutrients and food additives; environmental agents such as ambient ozone; and occupational exposures such as asbestos and benzene. Available through HINARI.

<http://informahealthcare.com/journal/txc>

The International Journal of Toxicology



The International Journal of Toxicology (IJT) publishes timely, peer-reviewed papers on current topics important to toxicologists. Six bi-monthly issues cover a

wide range of topics, including contemporary issues in toxicology, safety assessments, novel approaches to toxicological testing, mechanisms of toxicity, biomarkers, and risk assessment. *IJT* also publishes invited reviews on contemporary topics, and features articles based on symposia. Available through HINARI.

<http://ijt.sagepub.com/>

Resources for Patients

MedlinePlus – Toxicology, Poisoning, Environmental Health



MedlinePlus is the National Institutes of Health's Web site for patients and their families and friends. Produced by the National Library of Medicine, it brings you information about diseases, conditions, and wellness issues in language you can understand.

MedlinePlus offers reliable, up-to-date health information, anytime, anywhere and for free. You can use MedlinePlus to learn about the latest treatments, look up information on a drug or supplement, find out the meanings of words, or view medical videos or illustrations. You can also get links to the latest medical research on your topic or find out about clinical trials on a disease or condition.

<http://www.nlm.nih.gov/medlineplus/poisoningtoxicologyenvironmental-health.html>

Guides and Collections

Environmental Health and Toxicology Portal



Free portal from the National Library of Medicine, which organizes topic pages on Chemicals and Drugs, Diseases and the Environment, Environmental Health, Occupational Safety and Health, Poisoning, Risk Assessment and Regulations, Toxicology, and Pesticide Exposure. User-focused portals for the Public, Researchers/Scientists, Health Professionals, Students/Educators, and Emergency Responders.

<http://sis.nlm.nih.gov/enviro.html>

Chemical Information Sources/SIRCh/ Chemical Safety Searches and Toxicology Searches



Includes material safety data sheets, guides to chemical safety, toxicology information, environmental sources.

http://en.wikibooks.org/wiki/Chemical_Information_Sources/SIRCh/Chemical_Safety_Searches_and_Toxicology_Searches

Toxicology LibGuide from the University of California Library



Collection of annotated links to selected online resources on toxicology and related topics.

<http://guides.lib.ucdavis.edu/toxicology>

About the AIHA Internet Resources Digest

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If you have a suggestion for a Digest topic, or would like to contribute information about Internet resources, please contact [ibra\[at\]zadar.net](mailto:ibra[at]zadar.net).

Back issues of the *Internet Resources Digest* for 2011-2014 are archived at www.healthconnectintl.org/resources.html.

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