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OCCUPATIONAL SAFETY AND HEALTH TECHNOLOGY LIBRARY RESEARCH GUIDE

(TEC 380, 382, 390, 392, 424, 486, 487, 488, 489)

INTRODUCTION

Occupational safety and health technology is the application of science, or the scientific method and materials used to reduce major workplace illnesses, injuries, exposures, and hazards. The related curricula include industrial safety and health, standards of industrial safety, hazard control technology, fire safety technology, industrial ergonomics, industrial safety management, systems safety, industrial hygiene, and hazardous materials technology. Most print sources (such as books, periodicals) related to technology are located on 4th, 9th, or 10th floor in Houston Cole Library. Electronic sources (such as databases) can be accessed via computer stations on each floor.

PRINT SOURCES

Books are important sources of basic information on a topic, providing necessary definitions, background information, and statistics. Books provide a foundation for research which can be supplemented by more current information from periodical articles. Books may also contain useful bibliographies which may lead to additional sources of research.

When looking for books, consult the Library of Congress Subject Headings to select the proper term(s) to use as subjects under "Find Books (Library Catalog)". The following table shows occupational safety in the Library of Congress System:

HD7260-7654	Occupational Safety and Health Administration	RA1229	Industrial Toxicology
RC87.3	Hazardous Substances	RC607-969	Industrial Hygiene
RF135-297	Industrial Hygiene/hearing disorders	T55	Industrial Safety
T59	Industrial Hygiene/ergonomics	TA169	System safety

Other subject headings can be: Industrial safety, Industrial hygiene, Accidents, Environmental Health, Factories-Safety Measures, Factory Sanitation, Fire Prevention, Occupational Diseases, Strains and Stresses and etc. A selected list of book titles and library subscribed periodical titles related to the topic is as following:

- *Basic Guide to System Safety* (Call Number: T 55 .V52 2006)
- *Fundamentals of Industrial Hygiene* (Call Number: RC967.F85 1988)
- *Fundamentals of Occupational Safety and Health* (Call Number: T55.F75 2003)
- *Health Promotion in the Workplace* (Call Number: RC969.H43.H454 2002)
- *Industrial Safety and Health Management* (Call Number: T55.A83 2004)
- *Musculoskeletal Disorders and the Workplace: Low Back and Upper Extremities* (<http://www.nap.edu/books/0309072840/html/>)
- *Occupational Asthma and Related Respiratory Disorders* (Call Number: R 11 .D2 vol.41 no.3)
- *Genium's Handbook of Safety, Health, and Environmental Data for Common Hazardous Substances* (Call Number: T55.3.H3 G46 1999)

- *Handbook of Occupational Safety and Health* (Call Number: RC967.H26 1999)
- *NIOSH Pocket Guide to Chemical Hazards* (<http://www.cdc.gov/niosh/npg/>) (Call Number: T55.3.H3.N56x)
- *Occupational Safety and Health Law Handbook* (Call Number: KF 3570 .O844 2001)
- *Safety and Health for Engineers* (Call Number: T 55 .B72 2006)

JSU students can also use ALLIES (Alabama Libraries Exchange Services, <http://library.jsu.edu/cgi-bin/Pwebrecon.cgi?PAGE=dbPage>) to borrow circulating books from UAB Sterne Library, University of Alabama, Auburn University, Auburn University at Montgomery, either on-site with the student ID or by requesting the items through the library catalog.

ELECTRONIC RESOURCES

Current print issues of periodicals to which the Library subscribes can be found at the Current Periodical Section on 4th & 10th floor. Older print issues of magazines and journals, usually bound into complete years or volume numbers, are located in the 4th & 10th floor Bound Periodical Section. Electronic Databases are the main electronic sources in the HCL providing indexes, full-text books, articles, statutes, and legal cases, etc. You can also use these subscribed electronic databases (<http://www.jsu.edu/library/resources>) to identify articles on particular topics in magazines, journals, and newspapers. To access the HCL subscribed databases off-campus, your student ID and your Last name are required for log-in at: <http://www.jsu.edu/library/resources>. The following table lists some commonly used databases for your research:

Database Title	Description	Full Text?
ACM Digital Library	Journal articles from ACM journals, magazines, and conference proceedings.	Yes
Academic Search Premier	Journal articles in all subject areas.	Yes
Applied Science Full Text	Journal articles in the applied sciences and technology.	Yes
Elsevier ScienceDirect	Journal articles in a variety of subject areas, but the strengths of the database currently lie in: life sciences, engineering, earth sciences, pharmacology, and textiles.	Yes
Emerald Fulltext	Journal articles related to management issues in a variety of subject areas.	Yes
Expanded Academic ASAP	Scholarly journals, news magazines, and newspapers	Yes
NTIS's DARTS	Governmental technical reports in all subject areas.	Yes
Vocational Search	Journal articles in vocational and general subjects.	Yes

In addition, NIOSHTIC-2 (<http://www2.cdc.gov/nioshtic-2/Nioshtic2.htm>), a free online database provides searchable bibliographic information (links to full-text are provided for many citations) on occupational safety. A selected list of journal titles is as following (A detailed list is available upon request):

- *AAOHN Journal* (Call Number: RC 966 .A6, Electronic Full text also available)
- *American Journal of Health Promotion* (Call Number: RA427.8.A43)
- *American Journal of Industrial Medicine* (Electronic Full text available)
- *Annals of Occupational Hygiene* (Electronic Full text available)

- *Archives of Environmental Health* (Call Number: RC963.A22, Electronic Full text also available)
- *Business and Health* (Electronic Full text available)
- *Occupational Hazards* (Electronic Full text available)
- *Journal of Hazardous Materials* (Call Number: T55.3. H3J68)
- *Risk Analysis: An International Journal* (T174.5.R55)

OTHER RELATED SOURCES

Occupational and Industrial Safety Resources (<http://www.khake.com/page59.html>): Collection of links to information on occupational safety, emergency and trauma, construction safety, welding safety, food safety, domestic violence, fire safety and safety directories.

Occupational Safety & Health Administration (OSHA) (<http://www.osha.gov>): The OSHA website offers statistics and inspection data, OSHA manuals, memos, documents, current news, laws, and regulations. Full text articles from *Job Safety and Health Quarterly* are also available.

National Institute for Occupational Safety and Health (<http://www.cdc.gov/niosh/homepage.html>): Features a wealth of NIOSH resources, including research information, Health Hazard Evaluations, NIOSH Alerts, criteria documents, fact sheets, Federal Register Notices, reports to Congress, hazard IDs, state activities, news, and databases. Occupational safety and health information can be obtained by topic.

American Industrial Hygiene Association (<http://www.aiha.org>): The largest international associations serving the needs of occupational and environmental health professionals practicing industrial hygiene in industry, government, labor, academic institutions, and independent organizations.

Occupational Safety and Health Review Commission (<http://www.oshrc.gov/index.html>): The Occupational Safety and Health Review Commission (OSHRC) is an independent Federal agency created to decide contests of citations or penalties resulting from OSHA inspections of American work places. The web site includes the full text of decisions from 1972 - present.

Statistical Sources

Census of fatal occupational injuries, Bureau of Labor Statistics (<http://www.bls.gov/iif/oshcfoi1.htm>): CFI data are published annually with a one time revision of the data approximately eight months after the initial release.

Identifying high-risk small business industries: the basis for preventing occupational injury, illness, and fatality (NIOSH) (<http://www.cdc.gov/niosh/sbintro.html>).