

Sources of Information

ALL Projects

- 1) United States Patent and Trade Office Customer Service: 1-800-786-9199 (toll-free); 571-272-1000 (local); 571-272-9950 (TTY)
www.uspto.gov/
www.uspto.gov/patents/process/index.jsp
- 2) European Patent Office
www.epo.org/
www.epo.org/applying/basics.html
- 3) The Mad Scientist Network at Washington University School of Medicine:
www.madsci.org
- 4) ANS Task Force
www.anstaskforce.gov
Aquatic Nuisance Species (ANS) Task Force
www.anstaskforce.gov
www.anstaskforce.gov/Documents/ISEF.pdf
- 5) APHIS
<http://www.aphis.usda.gov/>
Animal and Plant Health Inspection Service
Invasive Species List
- 6) Invasive Species Specialist Group
www.issg.org
The Global Invasive Species database contains invasive species information supplied by experts on biological invasion from around the world.
- 7) Invasive Species Information
www.invasivespeciesinfo.gov/resources/lists.shtml
Provides information for species declared invasive, noxious, prohibited, or harmful or potentially harmful.
- 8) *Success with Science: The Winner's Guide to High School Research* Gaglani, S. and DeObaldia, G. (2011). Research Corporation for Science Advancement. ISBN 0-9633504-8-X

Human Participants

- 1) *Code of Federal Regulation (CFR), Title 45 (Public Welfare), Part 46-Protection of Human Subjects (45CFR46)*
<http://ohsr.od.nih.gov/guidelines/45cfr46.html>
- 2) Dunn, C. M. and Chadwick, G. L., *Protecting Study Volunteers in Research*, 3rd Edition (2004). Boston, MA: Thomson Centerwatch. ISBN 1-930624-44-1.
Can be purchased from: www.amazon.com
- 3) NIH tutorial, "Protecting Human Research Participants" also provides similar information:
<http://phrp.nihtraining.com/users/PHRP.pdf>
- 4) Belmont Report, April 18, 1979
www.hhs.gov/ohrp/humansubjects/guidance/belmont.html
- 5) *Standards for Educational and Psychological Testing*. (1999). Washington, DC: AERA, APA, NCME.
www.apa.org/science/programs/testing/standards.aspx
- 6) American Psychological Association
750 First Street, NE Washington, DC 20002-4242
phone: 202-336-5500; 800-374-2721
www.apa.org
Information for students:
www.apa.org/science/leadership/students/information.aspx

Information regarding publications: www.apa.org/pubs/index.aspx
- 7) Educational and Psychological Testing
Testing Office for the APA Science Directorate
phone: 202-336-6000
email: testing@apa.org
www.apa.org/science/programs/testing/index.aspx
- 8) The Children's Online Privacy Protection Act of 1998 (COPPA) (15 U.S.C. §§ 6501–6506)
www.ftc.gov/privacy/coppafaqs.shtm

Vertebrate Animals Animal Care and Use

- 1) *Laboratory Animals*, Institute of Laboratory Animal Research (ILAR), Commission on Life Sciences, National Research
<http://dels.nas.edu/ilar>
- 2) *Guide for the Care and Use of Laboratory Animals, 8th Edition (2011)*
<http://grants.nih.gov/grants/olaw/Guide-for-the-Care-and-Use-of-Laboratory-Animals.pdf>
www.nap.edu/catalog.php?record_id=12910
- 3) *Guidelines for the Care and Use of Mammals in Neuroscience and Behavioral Research (2003)*, Institute for Laboratory Animal Research (ILAR).
dels.nas.edu/report/guidelines-carey/10732

To order these ILAR publications contact:

National Academies Press
500 Fifth Street, NW
Washington, DC 20055
phone: 888-624-8373 or 202-334-3313
fax: 202-334-2451; www.nap.edu

- 4) Federal Animal Welfare Act (AWA)
7 U.S.C. 2131-2157
Subchapter A - Animal Welfare (Parts I, II, III)
www.nal.usda.gov/awic/legislat/awicregs.htm
Above document is available from:
USDA/APHIS/AC
4700 River Road, Unit 84
Riverdale, MD 20737-1234
email: ace@aphis.usda.gov
Tel: 301-734-7833
Fax: 301-734-4978
<http://awic.nal.usda.gov>
- 5) *Guide for the Care and Use of Agricultural Animals in Agricultural Research and Teaching (Agri-Guide)*
Federation of Animal Science Societies (FASS)
1800 S. Oak Street, Suite 100
Champaign, IL 61820-6974
phone: 217-356-3182
email: fass@assoqh.org
www.fass.org

- 6) *Guidelines for the Use of Fish in Research* (2004), American Fisheries Society.
www.fisheries.org
www.fisheries.org/afs/docs/policy_16.pdf
- 7) Euthanasia Guidelines
AVMA Guidelines on Euthanasia (2013)
American Veterinary Medical Association
www.avma.org/KB/Policies/Documents/euthanasia.pdf

Alternative Research and Animal Welfare

- 1) The National Library of Medicine provides computer searches through MEDLINE:
Reference & Customer Services
National Library of Medicine
8600 Rockville Pike
Bethesda, MD 20894
888-FIND-NLM or 888-346-3656 301-594-5983; email:
info@ncbi.nlm.nih.gov
www.nlm.nih.gov
www.ncbi.nlm.nih.gov/sites/entrez
- 2) National Agriculture Library (NAL) provides reference service for materials that document a) Alternative Procedures to Animal Use and b) Animal Welfare.
Animal Welfare Information Center
National Agriculture Library
10301 Baltimore Avenue, Room 410
Beltsville, MD 20705-2351
phone: 301-504-6212, fax: 301-504-7125
email: awic@ars.usda.gov
www.nal.usda.gov/awic
- 3) Institute of Laboratory Animal Resources (ILAR) provides a variety of information on animal sources, housing and handling standards, and alternatives to animal use through annotated bibliographies published quarterly in ILAR Journal.
ILAR — The Keck Center of the National Academies
500 Fifth Street, NW, Keck 687
Washington, DC 20001
phone: 202-334-2590, fax: 202-334-1687 email: ILAR@nas.edu
<http://dels.nas.edu/ilar>

- 4) Quarterly bibliographies of Alternatives to the Use of Live Vertebrates in Biomedical Research and Testing may be obtained from:
Specialized Information Services
NLM/NIH
2 Democracy Plaza, Suite 510
6707 Democracy Blvd., MSC 5467 Bethesda, MD 20892-5467
phone: 301-496-1131; Fax: 301-480-3537
email: tehip@tehip.nlm.nih.gov
www.sis.nlm.nih.gov ;
<http://toxnet.nlm.nih.gov/altbib.html>

- 5) John's Hopkins Center for Alternatives to Animal Testing (CAAT) has worked with scientists since 1981 to find new methods to replace the use of laboratory animals in experiments, reduce the number of animals tested, and refine necessary tests to eliminate pain and distress.
email: caat@jhsph.edu
<http://caat.jhsph.edu/>

Potentially Hazardous Biological Agents

- 1) American Biological Safety Association: ABSA Risk Group Classification – list of organisms
www.absa.org

- 2) American Type Culture Collection (ATCC)
www.atcc.org

- 3) Bergey's Manual of Systematic Bacteriology website – follow the links for resources and microbial databases for a collection of international websites of microorganisms and cell cultures.
www.bergeys.org/resources.html

- 4) Biosafety in Microbiological and Biomedical Laboratories (BMBL) - 4th Edition. Published by CDC-NIH,
www.cdc.gov/biosafety/publications/bmb15/BMBL.pdf

- 5) World Health Organization Laboratory Safety Manual
www.who.int/diagnostics_laboratory/guidance/en/

- 6) Canada – Agency of Public Health – list of non-pathogenic organisms
www.phac-aspc.gc.ca/lab-bio/index_eng.php
www.phac-aspc.gc.ca/lab-bio/res/index-eng.php

- 7) Microorganisms for Education Website – list of organisms
www.science-projects.com/safemicrobes.htm

- 8) *NIH Guidelines for Research Involving Recombinant DNA Molecules. Published by National Institutes of Health.*
<http://oba.od.nih.gov/oba/index.html>
- 9) OSHA – Occupational Health and Safety Administration
www.osha.gov

Hazardous Chemicals, Activities or Devices

General Lab/Chemical Safety

- 1) *Safety in Academic Chemistry Laboratories, Volumes 1 and 2, 2003.* Washington, DC: American Chemical Society.

Order from (first copy free of charge):
American Chemical Society
Publications Support Services
1155 16th Street, NW
Washington, DC 20036
phone: 202-872-4000 or 800-227-5558
email: help@acs.org,
www.acs.org/education

- 2) *General*
Howard Hughes Medical Institute as a resource for working with cell cultures, radioactive materials and other laboratory materials.
www.hhmi.org/resources/
- 3) Environmental Protection Agency (EPA) website for green chemistry
www.epa.gov/greenchemistry
- 4) Material Safety and Data Sheets (MSDS)
www.flinnsci.com/msds-search.aspx
A directory of MSDS sheets from Flinn Scientific Inc. that includes a ranking of hazard level and disposal methods.
www.ilpi.com/msds/index.html - A listing of numerous sites that have free downloads of MSDS sheets.
- 5) Pesticides
National Pesticide Information Center
<http://npic.orst.edu/ingred/products.html>
Describes the various types of pesticides and the legal requirements for labelling. Provides links and phone numbers to get additional information.
Environmental Protection Agency
<http://iaspub.epa.gov/apex/pesticides/f?p=PPLS:1>
A database of product labels. Enter the product name or company name to view the

approved label information of pesticides which are registered with the agency.

- 6) DEA Controlled Substances
Drug Enforcement Agency website:
www.justice.gov/dea/index.htm
Controlled Substance Schedules – a list of controlled substances :
www.dea.gov/schedules/
- 7) Alcohol, Tobacco Firearms and Explosives
Alcohol and Tobacco Tax and Trade Bureau
www.ttb.gov/
Bureau of Alcohol, Tobacco, Firearms and Explosives
www.atf.gov
- 8) Radiation
Radiation Studies Information (CDC)
www.cdc.gov/nceh/radiation/default.htm
- 9) CDC Laboratory Safety Manuals
www.cdc.gov/biosafety/publications/index.htm
- 10) Occupational Safety and Health Administration
www.osha.gov
Safety and Health Topics:
www.osha.gov/SLTC/
www.osha.gov/SLTC/reactivechemicals/index.html
www.osha.gov/SLTC/laserhazards/index.html
www.osha.gov/SLTC/radiationionizing/index.html
- 11) U.S. Nuclear Regulatory Commission
Material Safety and Inspection Branch
One White Flint North
11555 Rockville Pike
Rockville, MD 20852
phone: 301-415-8200; 800-368-5642
www.nrc.gov