



Robert W. WOODRUFF LIBRARY

Atlanta University Center

Clark Atlanta University • Interdenominational Theological Center • Morehouse College • Spelman College

Biological Sciences

Melanee Vicedo
Science Librarian
404.978.2064
mvicedo@auctr.edu

Scope

This guide provides information on some of the Biological Science resources available at the Robert W. Woodruff Library. It is not a comprehensive list.

Table of Contents

- | | |
|-----------------------|---|
| 1. Dictionaries | 5. Bioinformatics, Mathematical & Statistical Methods |
| 2. Encyclopedias | 6. Electronic Databases |
| 3. Handbooks | 7. Print & Online Journals |
| 4. Laboratory Methods | 8. Scientific Societies |

1. Dictionaries

Dictionary of Bioinformatics and Computational Biology edited by John M. Hancock and M. J. Zvelebil.
Location: REFERENCE QH324.2 .D53 2004

Dictionary of Biology by Bill Indge
Location: REFERENCE QH302.5 .I534 1999

Dictionary of Cell & Molecular Biology by J.M. Lackie
Location: REFERENCE QH575 .D55 2007

The Facts on File Dictionary of Botany edited by Jill Bailey
Location: REFERENCE QK9 .F33 2002

2. Encyclopedias

AccessScience (McGraw Hill) Encyclopedia of Science & Technology
Location: online www.auctr.edu, go to E-Resources, select Databases

Encyclopedia of Molecular Biology and Molecular Medicine edited by Robert A. Meyers
Location: REFERENCE QH506 .E534 1996

Encyclopedia of Human Biology edited by Renato Dulbecco
Location: REFERENCE QP11 .E53 1997

Encyclopedia of Life Sciences published by Nature Publishing Group
Location: REFERENCE QH302.5 .E525 2002

Encyclopedia of Evolution edited by Mark Pagel
Location: REFERENCE QH360.2 .E54 2002

3. Handbooks

Conn's Biological Stains: A Handbook of Dyes, Stains and Fluorochromes for Use in Biology and Medicine edited by Richard W. Horobin and John A. Kiernan
Location: UPPER LEVEL QH237 .C755 2002

Explorations in Basic Biology by Stanley E. Gunstream
Location: UPPER LEVEL QH317 .G82 1999

Biochemistry and Molecular Biology Compendium by Roger L. Lundblad
Location: UPPER LEVEL QP514.2 .P73 1989 Suppl.

4. Laboratory Methods

Concise Handbook of Experimental Methods for the Behavioral and Biological Sciences by Jay E. Gould
Location: UPPER LEVEL QH315.G66 2002

Biological Systems Under Extreme Conditions: Structure and Function edited by Y. Taniguchi, H. E. Stanley and H. Ludwig
Location: UPPER LEVEL QR100.9 .B54 2002

Condensed Protocols from Molecular Cloning: A Laboratory Manual by J. Sambrook, D. Russell
Location: UPPER LEVEL QH442.2 .S24 2006

Introduction to Proteomics: Tools for the New Biology by Daniel C. Liebler.
Location: UPPER LEVEL QP551 .L467 2002

5. Bioinformatics, Mathematical & Statistical Methods

Bioinformatics: A Practical Guide to the Analysis of Genes and Proteins edited by Andreas D. Baxeavanis and B.F. Francis Ouellette
Location: UPPER LEVEL QH324.2 .B547 2005

Bioinformatics: Genes, Proteins and Computers edited by Christine Orengo, David Jones and Janet Thornton
Location: UPPER LEVEL QH323.5 .B56 2003

Bioinformatics Methods and Protocols edited by Stephen Misener and Stephen A. Krawetz
Location: UPPER LEVEL QH506 .B535 2000

Mathematics of Genome Analysis by Jerome K. Percus
Location: UPPER LEVEL QH438.4 .M3 P47 2002

Post-Genome Informatics by Minoru Kanehisa
Location: UPPER LEVEL QH447 .K365 2000

Statistical Methods in Agriculture and Experimental Biology by Roger Mead, Robert N. Curnow and Anne M. Hasted
Location: UPPER LEVEL S540 .S7 M4 2003

6. Electronic Resources

Woodruff Library Databases, A - Z www.auctr.edu/resources/databases.asp
(Remote access account needed if using off-campus)

Academic Search Complete – covers multiple subjects, includes full-text articles

PubMed – abstracts, citations and some full-text articles covering life science and medicine

Access Science @ McGraw Hill (Science & Technology Encyclopedia)

MEDLINEplus <http://medlineplus.gov> - Users can access over 600 health topics, over 150 interactive health tutorials, drug information, an illustrated medical encyclopedia, dictionaries and directories for healthcare professionals, hospitals and clinics. Free to public.

7. Print & Online[†] Journals

<i>Advances in Parasitology</i>	<i>Fishery Bulletin</i> [†]
<i>Agronomy Journal</i> [†]	<i>Genetics</i> [†]
<i>American Biology Teacher</i> [†]	<i>Genomics & Proteomics</i> [†]
<i>American Forests</i> [†]	<i>Growth Development & Aging</i> [†]
<i>American Journal of Agricultural Economics</i> [†]	<i>Hormones & Behavior</i> [†]
<i>American Journal of Botany</i> [†]	<i>Horticulture</i> [†]
<i>American Journal of Epidemiology</i> [†]	<i>Human Biology</i> [†]
<i>American Journal of Public Health</i> [†]	<i>Infection & Immunity</i> [†]
<i>American Midland Naturalist</i> [†]	<i>Integrative & Comparative Biology</i> [†]
<i>American Naturalist</i> [†]	<i>Invertebrate Biology</i> [†]
<i>American Naturalist Supplement</i>	<i>JAMA: Journal of the American Medical Association</i> [†]
<i>Animal Behavior</i> [†]	<i>Journal of Bacteriology</i> [†]
<i>Annals of Applied Biology</i> [†]	<i>Journal of Cell Biology</i> [†]
<i>Annals of the Entomological Society of America</i> [†]	<i>Journal of Clinical Microbiology</i> [†]
<i>Annual Review of Biophysics & Biomolecular Structure</i> [†]	<i>Journal of Coastal Research</i> [†]
<i>Annual Review of Cell & Developmental Biology</i> [†]	<i>Journal of Ecology</i> [†]
<i>Annual Review of Entomology</i> [†]	<i>Journal of Economic Entomology</i> [†]
<i>Annual Review of Environmental Biology</i> [†]	<i>Journal of Environmental Health</i>
<i>Annual Review of Genetics</i> [†]	<i>Journal of Environmental Quality</i> [†]
<i>Annual Review of Immunology</i> [†]	<i>Journal of Eukaryotic Microbiology</i>
<i>Annual Review of Microbiology</i> [†]	<i>Journal of Experimental Biology</i> [†]
<i>Annual Review of Neuroscience</i> [†]	<i>Journal of Heredity</i> [†]
<i>Annual Review of Nutrition</i> [†]	<i>Journal of Herpetology</i> [†]
<i>Annual Review of Physiology</i> [†]	<i>Journal of Mammology</i>
<i>Annual Review of Phytopathology</i> [†]	<i>Journal of Nervous & Mental Disease</i>
<i>Annual Review of Plant Biology</i> [†]	<i>Journal of Neuroscience</i> [†]
<i>Annual Review of Public Health</i> [†]	<i>Journal of Parasitology</i> [†]
<i>Antimicrobial Agents & Chemotherapy</i> [†]	<i>Journal of Public Health</i> [†]
<i>Applied & Environmental Biology</i> [†]	<i>Journal of Public Health Policy</i>

Applied & Environmental Microbiology[†]
Archives of Environmental Health[†]
Behavioral & Brain Sciences[†]
Behavioral Ecology[†]
Behavioral Medicine[†]
Behavioral Neuroscience
Biomechanics[†]
BioScience[†]
Botanical Review[†]
Brittonia
Bulletin of Entomological Research[†]
Bulletin of Marine Science[†]
Bulletin of the World Health Organization[†]
Canadian Journal of Agricultural Economics[†]
Cancer Epidemiology Biomarkers & Research[†]
Cancer Research[†]
Cell
Clinical Cancer Research[†]
Clinical & Diagnostic Laboratory Immunology[†]
Clinical Microbiology Reviews[†]
Contributions of the American Entomological Institute
Critical Reviews in Environmental Science & Technology[†]
Development Growth & Differentiation[†]
E: The Environmental Magazine[†]
Ecological Monographs[†]
The Ecologist[†]
Economic Botany[†]
Electronic Green Journal[†]
Emerging Infectious Diseases[†]
Endocrine Reviews[†]
Environment[†]
Environmental Conservation[†]
Environmental & Experimental Botany[†]
Environmental Health Perspectives[†]
Environmental Science & Technology[†]
Ethnicity & Disease
Ethnicity & Health[†]

Journal of Virology[†]
Lichenologist[†]
Limnology & Oceanography[†]
Marine Fisheries Review[†]
Marine Technology & SNAME News[†]
Marine Technology Society Journal[†]
Methods in Enzymology
Microbiology & Molecular Biology Reviews[†]
Molecular & Cellular Biology[†]
Molecular Cancer Research[†]
Molecular Cancer Therapeutics[†]
Mother Earth News[†]
Mycologia[†]
National Parks[†]
National Wildlife[†]
Natural History[†]
Nature
New England Journal of Medicine[†]
Physical Biology[†]
Physics in Medicine & Biology[†]
Physiological & Biochemical Zoology[†]
Physiological Measurement[†]
Proceedings of the American Association for Cancer Research
Proceedings of National Academy of Science, USA
Public Health - World Health Organization
Quarterly Review of Biology[†]
Rhodora
Sierra[†]
Systematic Botany[†]
Taxon[†]
Technical Report Series - World Health Organization
Trends in Ecology & Evolution
Weekly Epidemiologic Record[†]
Wildfire[†]
World Health[†]
World Health Report[†]

8. Scientific Societies

These organizations can provide insight into the different aspects of the Biological Sciences, along with current research and news.

American Association for the Advancement of Science www.aaas.org
 FASEB (Federation of American Societies for Experimental Biology) www.faseb.org
 Genetics Society of America <http://genetics-gsa.org>
 National Academy of Science www.nas.edu
 National Science Foundation www.nsf.gov

Library of Congress Classifications

The following classifications provide an organizational scheme for how Biological Science materials are organized and shelved in the library. Be sure to browse the shelves for nearby items on this subject guide to find related resources.

For a more detailed outline see the Library of Congress Classification Outline at <http://lcweb.loc.gov/catdir/cpsolcco/lcco/lcco.html>.

QH	Natural History - Biology
QH (1-199.5)	Natural History - General (Includes nature conservation, geographic distribution)
QH (201-278.5)	Microscopy
QH (301-705.5)	Biology - General
QH (359-425)	Evolution
QH (426-470)	Genetics
QH (471-489)	Reproduction
QH (501-531)	Life
QH (540-549.5)	Ecology
QH (573-671)	Cytology
QH (705-705.5)	Economic Biology
QK	Botany
QK (1-989)	Botany
QK (640-673)	Plant Anatomy
QK (710-899)	Plant Physiology
QK (900-989)	Plant Ecology
QL	Zoology
QL (1-991)	Zoology
QL (750-791)	Animal Behavior and Psychology
QL (799)	Morphology
QL (801-950.9)	Anatomy
QL (951-991)	Embryology
QM	Human Anatomy
QM (1-695)	Human Anatomy
QM (601-695)	Human Embryology
QP	Physiology
QP (1-981)	Physiology
QP (341-495)	Neurophysiology, Neuropsychology
QP (501-801)	Animal Biochemistry
QP (901-981)	Experimental Pharmacology
QR	Microbiology
QR (1-500)	Microbiology
QR (75-99)	Bacteria
QR (180-189.5)	Immunology
QR (355-500)	Virology

Updated 6/24/08