

## Sources in

# BIOLOGY

This guide lists a selection of the more important sources of information on Biology available at Concordia Libraries. It includes material held in the Webster Library (WEB) on the Sir George Williams Downtown Campus, in the Vanier Library (VAN) on the Loyola Campus and/or available online. Most materials are located in the Reference area (REF). **This is not a complete list.** Additional resources may be found by searching CLUES, the library catalogue.

For more information, consult the **Research Guides by Subject** available on the Libraries' Web site at <http://library.concordia.ca/research/subjects/> or contact the reference librarian.

## Encyclopedias

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### **Molecular Biology & Genetics**

Biotechnology From A to Z	REF TP 248.16 B33 1998 VAN
Encyclopedia of Cell Technology – 2 vol.	REF TP 248.27 A53E53 2000 VAN
Encyclopedia of Genetics – 4 vol.	REF QH 427 E532 2002 VAN
Encyclopedia of Medical Genomics and Proteomics – 2 vol.	REF RB 155 E52 2005 VAN
<a href="#">Encyclopedia of Microbiology</a> – 4 vol.	REF QR 9 E53 2000 VAN <b>Online</b>
Encyclopedia of Molecular Cell Biology & Molecular Medicine – 16 vol.	REF QH 506 E534 2004 VAN
Encyclopedia of Molecular Medicine – 5 vol.	REF QH 506 W55 2002 VAN
Encyclopedia of the Human Genome – 5 vol.	REF QH 447 N285 2003 VAN
<a href="#">Encyclopedia of Virology</a> – 3 vol.	REF QR 358 E53 1999 VAN <b>Online</b>

### **Ecology & Environmental Biology**

Encyclopedia of Biodiversity – 5 vol.	REF QH 541.15 B56 E53 2001 VAN
Encyclopedia of Ecology and Environmental Management	REF QH 541 E46 1998 VAN
Encyclopedia of Environmental Biology – 3 vol.	REF QH 540.4 E52 1995 VAN
Encyclopedia of Environmental Microbiology- 6 vol.	REF QR 100 B58 2002 VAN
Encyclopedia of World Environmental History – 3 vol.	REF GF 10 E63 2003 WEB
Life on Earth: an encyclopedia of biodiversity, ecology, and evolution – 2 vol.	REF QH 541.15 B56L54 2002 VAN

### **General Biology**

Encyclopedia of Bioethics – 5 vol.	REF QH 332 E52 2004 VAN
Encyclopedia of Biological Chemistry – 4 vol.	REF QD 415 A25E53 2004 VAN
Encyclopedia of Biostatistics – 8 vol.	REF RA 409 E53 2005 VAN
Encyclopedia of Evolution – 2 vol.	REF QH 360.2 E54 2007 VAN
<a href="#">Encyclopedia of Inland Waters</a>	<b>Online</b>
<a href="#">Encyclopedia of Life Sciences</a> – 20 vol.	REF QH 302.5 E54 2002 VAN WEB <b>Online</b>
Encyclopedia of Reproduction – 4 vol.	REF QP 251 E479 1998 VAN
Life on Earth : an encyclopedia of biodiversity, ecology, and evolution – 2 vol.	REF QH 541.15 B56L54 2002 VAN

### **Plant Biology**

Encyclopedia of Applied Plant Sciences – 3 vol.	REF TP 248.16 E537 2003 VAN
Encyclopedia of Medicinal Plants	REF RS 164 C4437 1996 VAN
Encyclopedia of Plant Physiology – 20 vol.	REF QK 711 E55+ VAN
Magill's Encyclopedia of Sciences: Plant Life – 4 vol.	REF QK 7 M34 2003 VAN
Medicinal Plants of the World	REF RS 164 V295 2004 VAN
New York Botanical Garden Illustrated Encyclopedia of Horticulture – 10vol.	REF SB 317.58 E94 VAN

### **Animal & Human Biology**

Encyclopedia of Animal Behavior – 3 vol.	REF 750.3 E53 2004 VAN
Encyclopedia of Animal Science	REF SF 61 E496 2005 VAN
Encyclopedia of Entomology – 3 vol.	REF QL 462.3 E475 2004 VAN
Encyclopedia of Gerontology – 2 vol.	REF QP571 E52 2003 VAN
Encyclopedia of Human Biology – 9 vol.	REF QP 11 E53 1997 VAN
Encyclopedia of Human Growth & Development	REF QP 84 C26 1997 VAN
Grzimek's Animal Life Encyclopedia – 17 vol.	REF QL 7 G7813 2003 VAN
Illustrated Encyclopedia of Human Histology	REF QM 550.2 K77 1984 VAN
Walker's Mammals of the World – 2 vol.	REF QL 703 W3 1999 VAN
Walker's Marine Mammals of the World	REF QL 713.2 N69 2003 VAN REF RC 952.5 E58 1996 VAN

## **Dictionaries**

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### **Molecular Biology & Genetics**

Biotechnology from A to Z	REF TP 248.16 B33 2004 VAN
Concise Dictionary of Biomedicine & Molecular Biology.	REF R 121 J86 1996 VAN
Dictionary of Gene Technology : genomics, transcriptomics, proteomics	REF QH 506 K333 2004 VAN
Encyclopedic Dictionary of Genetics, Genomics & Proteomics	REF QH 427 R43 2003 VAN
Glossary of Biotechnology Terms	REF TP 248.16 F54 2000 VAN
Oxford Dictionary of Biochemistry & Molecular Biology	REF QP 512 O94 2006 VAN
Vocabulaire du génie cellulaire	REF QH 611 V63 1992 VAN

### **Ecology & Environmental Biology**

Concise Oxford Dictionary of Ecology	REF QH 540.4 C66 1994 VAN
<a href="#">Dictionary of Ecology</a> (Oxford Reference Online)	<b>Online</b>
Dictionary of Ecology & the Environment	REF QH 540.4 C65 1998 VAN
Dictionary of Ecology, Evolution & Systematics	REF QH 540.4 L56 1998 VAN
McGraw-Hill dictionary of environmental science	REF GE 10 M378 2003 WEB

### **General Biology**

Concise Encyclopedia: Biology	REF QH 302.5 A2313 1996 VAN
Dictionary of Abbreviations, Acronyms, Synonyms, & Symbols Used in Medicine	REF R 121 T787 2004 VAN
Dictionary of Bioinformatics & Computational Biology	REF QH 324.2 W54 2004 VAN
Dictionary of Microbiology and Molecular Biology	REF QR 9 S56 2006 VAN
Elsevier's dictionary of zoology and general biology	REF QL 9 S58 2004 VAN
Facts on File Dictionary of Biology	REF QH 13 F35 1999 VAN
Lexique des sciences biologiques	REF QH 302.5 B68 1996 VAN
<a href="#">Oxford Reference Online: Biological Sciences</a>	<b>Online</b>
Stedman's medical terms and phrases : a complete guide to medical language	REF R 123 S715 2005 VAN

### **Plant Biology**

Botanical Latin	REF QK 10 S7 1992 VAN
CRC World Dictionary of Plant Names – 2 vol.	REF QK 13 Q38 1999 VAN
Dictionnaire de botanique	REF QK 9 B764+ 1988 VAN
Dictionary of Plant Genetics & Molecular Biology	REF QK 981 M54 1998 VAN
Dictionary of Parasitology	REF QL 757 G73 2005 VAN

Dictionary of Plant Pathology  
Dictionary of Plant Science  
Dictionary of the Fungi  
Penguin Dictionary of Plant Sciences  
Plant Identification Terminology\*  
Vocabulaire de biotechnologie végétale

REF SB 728 H65 1998 VAN  
REF QK 9 D52 1998 VAN  
REF QK 603 A5 2001 VAN  
REF QK 9 P464 1999 VAN  
REF QK 9 H37 1994 VAN  
REF QK 725 B68 1988 VAN

## *Handbooks*

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### ***Molecular Biology & Genetics***

Advanced Molecular Biology  
Bergey's manual of systematic bacteriology – 4 vol.  
Cell & Molecular Biology: essential data  
Compact Handbook of Computational Biology  
CRC Handbook of Nucleobase Complexes - 2 vol.  
Cytokine Handbook  
Enzyme Reference : a comprehensive guidebook to enzyme nomenclature, reactions and methods  
Handbook of Bird Biology  
Handbook of Computational Molecular Biology  
Handbook of Growth Factors – 3 vol.  
Handbook of Microbiological Media  
Handbook of Proteolytic Enzymes – 2 vol.  
Handbook of RNA Biochemistry – 2 vol.  
Handbook of Statistical Genetics  
[Methods in Enzymology](#) - multi-volume series.  
Oxford Handbook of Nucleic Acid Structure  
[The Prokaryotes: a handbook on the biology of bacteria](#)  
Stem cells handbook  
Sourcebook of Bacterial Protein Toxins  
Vectors: essential data

REF QH 506 T97 1998 VAN  
REF QR 81 B46 1984 VAN  
REF QH 506 R53 1995 VAN  
REF QH 324.2 C56 2004 VAN  
REF QP 625 N89C73 1990 VAN  
REF QR 185.8 C95 C85 1998 VAN  
REF QP 601 P875 2002 VAN  
REF QL 673 H263 VAN  
REF QH 324.2 H357 2006 VAN  
REF QP 552 G76 P56 1994 VAN  
REF QR 66.3 A85 2004 VAN  
REF QP 609 P78H36 2004 VAN  
REF QP 623 H36 2005 VAN  
REF QH 438.4 S73H36 2003 VAN  
REF QP 601 M5 VAN **Online**  
REF QD 433.5 S77 O94 1999 VAN  
REF QR 72.5 P76 VAN **Online**  
REF QH 587 S728 2004 VAN  
REF QP 632 B3S68 1991 VAN  
REF QH 442.2 V44 1994 VAN

### ***Ecology & Environmental Biology***

Environmental Monitoring Handbook  
Handbook of Environmental Analysis: Chemical pollutants in air, water, soil ...  
Handbook of Functional Plant Ecology  
Handbook of Insect Pheromones & Sex Attractants  
Handbook of Plant Biotechnology – 2 vol.

REF QH 541.15 M64 E5878 2002 VAN  
REF TD 193 P38 1997 VAN  
QK 901 H295 VAN 3<sup>rd</sup> floor  
REF QL 495 M365 1991 VAN  
REF TP 248.27 P55C545 2004 VAN

### ***Plant Biology***

Canadian Flora  
Dictionary of Plant Toxins  
Flore Laurentienne (Marie-Victorin)  
Handbook of Applied Mycology  
Handbook of Clinically Tested Herbal Remedies – 2 vol.

REF QK 201 C36+ VAN  
REF RA 1250 D53 1996 VAN  
REF QK 201 M33 1964 VAN  
REF QK 918 S64 1991 VAN  
REF RM 666 H33H363 2004 VAN

Handbook of Photosynthesis	REF QK 882 H246 2005 VAN
Handbook of Phytoalexin Metabolism & Action	REF QK 898 P66 H35 1995 VAN
Handbook of Plant Biotechnology – 2 vol.	REF TP 248.27 P55C545 2004 VAN
Phytochemical Dictionary: a handbook of bioactive compounds ...	REF QK 898 B54P48 1993 VAN
Plant Molecular Biology Labfax	REF QK 728 P545 1993 VAN
Plant Vitamins: agronomic, physiological & nutritional aspects	REF QK 898 V5 M63 1994 VAN
Yeasts: characteristics and identification	REF QK 617.5 B39 2000 VAN

## *Atlases*

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### ***Molecular Biology & Genetics***

Atlas of Immunology	REF QR 182 C78 1999 VAN
Atlas of Mammalian Chromosomes	REF QH 605 A752 2006 VAN
Atlas of Xenopus Development	REF QL 558 E265 A85 1999 VAN
Biochemical Pathways: An Atlas of Biochemistry & Molecular Biology	REF QP 171 B685 1998 VAN
Historical Atlas of Immunology	REF QR 182 C784 2005 VAN
Practical Atlas of Bacterial Identification	REF QR 54 C85 2000 VAN

### ***Histology & Cytology***

Atlas of Histology	REF QM 557 F5513 2000 VAN
Color Atlas of Normal Cytology	REF QH 582 H47 1999 VAN
Color atlas of Xenopus laevis histology	REF QL 668 E265W54 2003 VAN
Di Fiore's Atlas of Histology with Functional Correlations	REF QM 557 F5513 2000 VAN
Illustrated Encyclopedia of Human Histology	REF QM 550.2 K77 1984 VAN

### ***Anatomy***

Atlas of Endocrine Organs	REF QP 187 A84 1992 VAN
Human Microscopic Anatomy	REF QM 557 K79 1991 VAN
Thieme Atlas of Anatomy: general anatomy and musculoskeletal system	REF QM 25 A4513 2006 VAN
Thieme atlas of anatomy : neck and internal organs	REF QM 25 S35 2006 VAN
Wolf-Heidegger's Atlas of Human Anatomy	REF QM 25 W633 2005 VAN

## *Guides to Information in Biological Sciences*

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Biosciences: Information Sources & Services	REF QH 303.2 B56 1992 VAN
Entomology: a Guide to Information Sources	REF QL 463 G52 1990 VAN
Genetics Databases	REF QH 450.2 B57 1999 VAN
Guide to Reference and Information Sources in Plant Biology	REF QK 45.2 G85 2006 VAN
Guide to the Zoological Literature	REF QL 45.2 B44 1994 VAN
Internet for Molecular Biologists: a Practical Approach	REF QH 506 I53 2004 VAN
Information Sources in the Life Sciences	REF QH 303.6 I54 1997 VAN
Introduction to Reference Sources in the Health Sciences	REF R 118.6 I58 2004 VAN
Using the Biological Literature: A Practical Guide	REF QH 303.6 D38 2002 VAN

## *Guides to Writing Papers in Biological Sciences*

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AMA Manual of Style : a Guide for Authors and Editors (at Reference Desk)	REF R 119 A533 2007 VAN
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## *Indexes / Databases*

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### **Biological Abstracts (BIOSIS Previews) – Internet access**

BIOSIS Previews is the most comprehensive index in life sciences. It combines journal content from Biological Abstracts® with supplemental, non-journal content from Biological Abstracts/RRM® (Reports, Reviews and Meetings):

**Subject coverage:** general biology, molecular biology, genetics, biotechnology, biochemistry, ecology, environmental biology, botany, zoology, biomedicine, pharmacology, veterinary science, nutrition; and public health.

### **Medline (on PubMed) – Internet access**

PubMed database provides citations with abstracts to worldwide biomedical literature. Covers research, clinical practice, administration, policy issues and healthcare. Includes all foreign languages and is fully indexed.

Connect and use PubMed via the Libraries' web site to benefit from our subscriptions to online journals

### **Web of Science – (1979 - onward) Internet access**

Science Citation Index Expanded (SCI) is a multidisciplinary database, with searchable author abstracts, covering the journal literature of the sciences. It indexes 5,900 major journals across 150 scientific disciplines.

### **Ecological Abstracts on Geobase – Internet access**

GEOBASE integrates the content of several print indexes, including Ecological Abstracts.

### **Helminthological Abstracts – Internet access**

INDEX QL 392 H4 Vanier Library

To search databases with Internet access use the Concordia Libraries Database Finder at the Libraries' website <http://library.concordia.ca/>

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*If you need assistance, please ask at the Reference Desk*

**Updated by** **Danielle Dennie, Biology Librarian**  
Telephone: 848-2424, ext. 5237  
E-mail: [danielle.dennie@concordia.ca](mailto:danielle.dennie@concordia.ca)

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