

MARINE BIOLOGY

Following is some general information about resources and tools to assist researchers in the field of Marine Biology. This list is just a sampling of what the Quimby Library has in its collection.

FINDING BOOKS

The library's holdings are best accessed through Minerva, our online catalog. This system can be searched by author, title, subject heading, or key word. Help in using the system is available online and at the reference/circulation desk. The library catalog [<http://minerva.maine.edu/search~S96>] can be accessed from the library as well as your home or office via the internet.

The library holdings are arranged by the Library of Congress Classification system and uses Library of Congress subject headings. Examples of possible subjects include:

Adaptation (Biology); Anatomy; Animals – Physiology; Benthos; Biological diversity; Biology; Biology – Authorship; Biology – Classification; Cells; Coastal flora; Coasts; Coral reef biology; Deep-sea biology; Estuarine biology; Evolution (Biology); Fishes – Physiology; Intertidal ecology; Intertidal zonation; Mammals; Mammals – Anatomy; Mammals – Physiology; Marine algae; Marine animals; Marine biology; Marine ecology; Marine fauna; Marine fishes; Marine flora; Marine insects; Marine invertebrates; Marine mammals; Marine organisms; Marine Phytoplankton; Marine plankton; Marine plants; Marine productivity; Marine reptiles; Marine resources; Marine sciences; Marine zooplankton; Natural history illustration; Physiology; Plankton; Population biology; Report writing; Scientific illustration; Sea birds; Sea turtles; Seashore biology; Seashore ecology; Technical writing; Variation (Biology); Zooplankton

REFERENCE SOURCES

Biological oceanography / Charles B. Miller **QH541.5 .S3 M55 2004**

The biology of mangroves / Peter J. Hogarth. **QH541.5.M27 H65 1999**

The biology of rocky shores / Colin Little and J.A. Kitching. **QH95.7 .L57 1996**

The biology of soft shores and estuaries / Colin Little. **QH541.5.C65 L58 2000**

The biology of the deep ocean / Peter Herring. **QH91 .H44 2002**

CRC handbook of chemistry and physics : a ready-reference book of chemical and physical data

REF QD65 .H3 2002

CRC handbook of marine science **REF GC24 .C17 1976**

The Dictionary of cell biology **REF QH575 .D57 1995**

Doing honest work in college : how to prepare citations, avoid plagiarism, and achieve real academic success / Charles Lipson. **PN171.F56 L56 2004**

Dynamics of marine ecosystems : biological-physical interactions in the oceans / K.H. Mann & J.R.N. Lazier.

QH541.5.S3 M25 1991

The ecology of seashores / George A. Knox. **QH541.5.S35 K66 2001**

Encyclopedia of life sciences / Nature Publishing Group (20 vols.) **REF QH302.5 .E54 2002**

Encyclopedia of marine mammals / eds. W.F. Perrin, B. Wursig, J.G.M. Thewissen **REF QL701.2 .E53 2002**

Encyclopedia of the sanctuary, National Marine Sanctuaries <http://marinelife.noaa.gov/>

Encyclopedia of the sea / written and illustrated by Richard Ellis. **REF GC9 .E38 2000**

Encyclopedia of tidepools and rocky shores / eds. Mark W. Denny, S.D. Gaines **REF QH541.5 .S35 E53 2007**

The Facts on File dictionary of biology / ed. by Robert Hine. **REF QH302.5 .F38 2005**

The Facts on File dictionary of marine science **REF GC9 .F28 2001**

Glossary of Marine Biology <http://life.bio.sunysb.edu/marinebio/glossary.html>

Grant & Hackh's chemical dictionary : American, international, European, and British usage : containing the words generally used in chemistry, and many of the terms used in the related sciences of physics, medicine, engineering, biology, pharmacy, astrophysics, agriculture, mineralogy, etc., based on recent scientific literature. **REF QD5 .H3 1987**

The Guild handbook of scientific illustration 2nd ed. **Q222 .G85 2003**

Species Profiles: Life Histories and Environmental Requirements of Coastal Fishes and Invertebrates (Full text)
<http://www.nwrc.usgs.gov/publications/specintro.htm>

Glossary of coral reef and related terms <http://www.coris.noaa.gov/glossary/>

Guide to marine mammals of the world / National Audubon Society QL713.2 .N37 2002 (circ desk)

An identification manual to the coastal and estuarine zooplankton of the Gulf of Maine region from
Passamaquoddy Bay to Long Island Sound / Ray P. Gerber **REF QL123 .G47 2000 pt 1 and pt 2**

The living ocean : understanding and protecting marine biodiversity / Boyce Thorne-Miller ; foreword by
Sylvia Earle. **QH91 .T49 1999**

Marine conservation biology : the science of maintaining the sea's biodiversity / eds. Elliott A. Norse and Larry
B. Crowder **QH91.8.B6 M37 2005**

Marine ecology : processes, systems, and impacts / Michel J. Kaiser ... [et al.]. **QH541.5.S3 M2567 2005**

Our living oceans : report on the status of U.S. living marine resources. National Marine Fisheries Service
<http://purl.access.gpo.gov/GPO/LPS28165>

Mammalian Species **REF QL700 .M263** [FT available for numbers 1-631 for on-campus users
<http://www.science.smith.edu/departments/Biology/VHAYSSSEN/msi/default.html>

Marine Mammals of the World (FAO Species Identification Guide)
<ftp://ftp.fao.org/docrep/fao/009/t0725e/t0725e00.pdf>

McGraw-Hill dictionary of bioscience **REF QH302.5 .M382 2003**

Ocean and marine dictionary / David F. Tver **REF GC9 .T86 1979**

The oceans / Ellen J. Prager with Sylvia A. Earle. **GC11.2 .P74 2000**

Oxford dictionary of biochemistry and molecular biology **REF QP512 .O94 1997**

Practical handbook of marine science / edited by Michael J. Kennish. **GC11.2 .K46 1994**

Scientific style and format : the CBE manual for authors, editors, and publishers **REF Z253 .S386 1994**

A student handbook for writing in biology / Karin Knisely **QH304 .K59 2005** (circ desk)

Sensuous seas : tales of a marine biologist / Eugene H. Kaplan ; drawings by Sandy Chichester Rivkin and
Susan L. Kaplan. **QH91.1 .K37 2006**

UN Atlas of the Oceans <http://www.oceansatlas.org/>

World atlas of seagrasses / eds. E.P. Green & F.T. Short. **REF QK103 .W67 2003**

Writing for science / R. Goldbort **T11 .G626 2006**

Writing papers in the biological sciences / V.E. McMillan. **REF QH304 .M36 2001**

Writing successfully in science **T11 .O33 1991**

Digital Book Index <http://www.digitalbookindex.com/about.htm>

National Academy Press (Full text of over 3000 titles) <http://books.nap.edu/index.html>

FINDING JOURNAL ARTICLES AND CONFERENCE REPORTS

The following abstracting/indexing databases will help you find published non-book literature.

Agricola (good for aquaculture info) <http://libraries.maine.edu/mainedatabases/authmaine.asp?db=ag>

AquaNIC <http://aquanic.org/>

Aquatic Sciences and Fisheries Abstracts <http://libraries.maine.edu/mainedatabases/authmaine.asp?db=asf>

Avano (Marine and aquatic science harvester) <http://www.ifremer.fr/avano/>

FishBase <http://filaman.ifm-geomar.de/search.php?lang=English>

LarvalBase <http://www.fishbase.org/LarvalBase/search.cfm>

MBREF: A reference source for marine biology student research
<http://life.bio.sunysb.edu/marinebio/mbref.html>

National Sea Grant Depository Database <http://nsgl.gso.uri.edu/search/>

NOAA's Coral Reef Information System <http://www.coris.noaa.gov/>

Reefbase http://www.reefbase.org/references/ref_literature.asp

Sea grant abstracts <http://nsgd.gso.uri.edu/searchguide.html>

Sea Turtle Bibliography <http://webluis.fcla.edu/cgi-bin/cgiwrap/fclwlv3/wlv3/DGref/DBST/CM2/P1basic>

Wildlife and Ecology Studies Worldwide <http://libraries.maine.edu/mainedatabases/authmaine.asp?db=wes>

JOURNALS/E-JOURNALS

Biological Bulletin

Estuaries <http://www.jstor.org/journals/01608347.html>

JMBA Biodiversity Records <http://www.mba.ac.uk/jmba/biodiversityrecords.php>

Journal of Coastal Research

<http://www.bioone.org/bioone/?request=get-journals-list&issn=1551-5036>

Journal of Experimental Biology <http://jeb.biologists.org/>

The Journal of Marine Animals and Their Ecology <http://www.oers.ca/journal/journal.html>

Journal of the Marine Biological Association, UK (JMBA)

Limnology and Oceanography

Marine & Freshwater Behaviour & Physiology

<http://search.ebscohost.com/login.aspx?direct=true&db=aph&jid=J4N&site=ehost-live>

Marine Biology <http://search.ebscohost.com/login.aspx?direct=true&db=aph&jid=MRB&site=ehost-live>

Marine Biology Research

<http://search.ebscohost.com/login.aspx?direct=true&db=aph&jid=16S6&site=ehost-live>

Marine Ecology <http://search.ebscohost.com/login.aspx?direct=true&db=aph&jid=ESD&site=ehost-live>

Marine Ecology Progress Series (MEPS) <http://www.int-res.com/journals/meps/> [to 4 years ago]

Marine Turtle Newsletter <http://www.seaturtle.org/mtn/>

Open Marine Biology Journal <http://www.bentham.org/open/tombj/index.htm>

Open Oceanography Journal <http://www.bentham.org/open/tooceaj/index.htm>

PLoS Biology <http://biology.plosjournals.org/perlserv/?request=index-html&issn=1545-7885>

Revista de Biología Marina y Oceanografía <http://www.revbiolmar.cl/>

Scientia Marina http://www.icm.csic.es/scimar/sci_index.html

Systematic Zoology <http://www.jstor.org/journals/00397989.html>

For a complete list of our journal holdings go to: <http://www.unity.edu/library/periodicals.asp>

ONLINE ARTICLES/PODCASTS

Cambridge Scientific Abstracts – Discovery Guides

Aquaculture Impacts on the Environment / Craig Emerson (December 1999)

<http://www.csa.com.prxy2.ursus.maine.edu/discoveryguides/aquacult/overview.php?SID=n4>

Biofouling: It's Not Just Barnacles Anymore / Marianne Stanczak (March 2004)

<http://www.csa.com.prxy2.ursus.maine.edu/discoveryguides/biofoul/overview.php?SID=n4>

Dimethylsulfide Emission: Climate Control by Marine Algae? / Katina Bucher (November 2003)

<http://www.csa.com.prxy2.ursus.maine.edu/discoveryguides/dimethyl/overview.php?SID=644>

The Effects of El Niño on Marine Life / Amy L. Forrester (December 1997)

<http://www.csa.com.prxy2.ursus.maine.edu/discoveryguides/archives/elniño.php?SID=644>

The El Niño Phenomenon: From Understanding to Predicting / Yekaterina Glebushko (November 2004)

<http://www.csa.com.prxy2.ursus.maine.edu/discoveryguides/predniño/overview.php?SID=644>

Hydrothermal Vent Communities / Carolyn Scarce (May 2006)

<http://www.csa.com.prxy2.ursus.maine.edu/discoveryguides/vent/review.php?SID=644>

Methylmercury contamination in fish and shellfish / Laura Griesbauer (February 2007)

<http://www.csa.com.prxy2.ursus.maine.edu/discoveryguides/mercury/review.php?SID=644>

Ocean Gardening Using Iron Fertilizer / Ben Fertig (August 2004)

<http://www.csa.com.prxy2.ursus.maine.edu/discoveryguides/oceangard/overview.php?SID=644>

Ocean Policy: Striking a Balance (October 2000)

<http://www.csa.com.prxy2.ursus.maine.edu/discoveryguides/ern/00oct/overview.php?SID=644>

Seahorses: Flagships of Our Coasts (May 2003)

<http://www.csa.com.prxy2.ursus.maine.edu/discoveryguides/seahorses/overview.php?SID=644>

Ockham's Razor Podcasts [homepage <http://www.abc.net.au/rn/ockhamsrazor/>]

Coral reefs : the global canary / Dr. Rosaleen Love. 14 March 2004

<http://www.abc.net.au/rn/ockhamsrazor/stories/2004/1063582.htm>

The plea of the Great Barrier Reef / Dr. J.E.N. Veron. April 6, 2008

<http://www.abc.net.au/rn/ockhamsrazor/stories/2008/2207734.htm>

The trigger for the clathrate gun / Geoff Hudson. May 24, 2009

<http://www.abc.net.au/rn/ockhamsrazor/stories/2009/2577170.htm>

Wonderful wanderers / James Woodford. July 29, 2007

<http://www.abc.net.au/rn/ockhamsrazor/stories/2007/1988033.htm>

VIDEO'S/DVDs

Arthropods / written by Bruce J. Russell, J. David Denning DVD 595 Ar78

Basic chemistry for biology students **VIDEO 598.619 W643**

The Biochemical basis of biology. Pt. 1. Cell structure and energy production. Pt. 2. DNA and protein synthesis

VIDEO 574.19 B52

The blue planet : seas of life / a BBC/Discovery Channel co-production **DVD 551.46 B68**

CELLebration / ed. Rachel Fink; sponsored by the American Society for Cell Biology **VIDEO 574.84 C33**

Coastlines **VIDEO 551.457 C631**

Cryptic fauna of marine sand / Executive Producer: Mimi Bres **VIDEO 592 C889**

Gulf of Maine **VIDEO 917.41 Q38**

Kingdom animalia : the invertebrates / written, produced, and directed by Jeff Hildebrandt. **DVD 592 K56**

Marine mammals of the Gulf of Maine : an introduction to species identification / produced and written by Tom

Fernald. **VIDEO 599.092 M338**

Molluscs / written, photographed and produced by David Denning and Bruce J. Russell **DVD 594 M65**

Ocean weirdos / written & produced by John Boyle, John McIntyre. **DVD 591.77 Oc34**

Phylum echinodermata [videorecording] / writer and narrator, Christopher Pomory **DVD 593.9 P49** (2 discs)

The Rocky Coast **VIDEO 574.526 G313r**

Sponges / written and photographed by David Denning ; produced by Bruce Russell & David Denning

DVD 593.4 Sp66

Watery creatures: life in the sea **DVD 591.77 W38**

Wild moves : insights into animal physiology. **VIDEO 591.1852 W643b**

Writing for the sciences : the lab report. **VIDEO 808.066 W939**

SOCIETIES/ASSOCIATIONS/INSTITUTES

American Elasmobranch Society <http://elasmobranch.org/>

American Fisheries Society <http://www.fisheries.org/afs/>

American Institute of Biological Sciences (AIBS) <http://www.aibs.org/core/index.html>

American Society for Cell Biology <http://www.ascb.org/>

American Society of Limnology and Oceanography (ASLO) <http://www.aslo.org/>

American Society of Mammalogists <http://www.mammalsociety.org>

Archie Carr Center for Sea Turtle Research <http://accstr.ufl.edu/>

Chelonian Research Foundation <http://www.chelonian.org/>

Divers Alert Network (DAN) <http://www.diversalertnetwork.org/>

Ecological Society of America <http://www.esa.org/>

The Estuarine Research Federation <http://erf.org/>

Gulf of Maine Research Institute <http://www.gmri.org/>

International Society for Reef Studies <http://www.fit.edu/isrs/index.html>

Marine Biological Association of the United Kingdom <http://www.mba.ac.uk/>

Marine Biological Laboratory <http://www.mbl.edu/>

Marine Conservation Biology Institute <http://www.mcbi.org/>

National Association of Marine Laboratories (NAML) <http://www.naml.org/>

Oceanographic Environmental Research Society <http://www.oers.ca/home2.html>

Phycological Society of America <http://www.psaalgae.org/>

Society for Conservation Biology <http://www.conbio.org/>
Society for Experimental Biology <http://www.sebiology.org/index.html>
The Society for Integrative and Comparative Biology <http://www.sicb.org/>
The Society for Marine Mammalogy <http://www.marinemammalogy.org/>
Society of Systematic Biologists <http://systbiol.org/>
Woods Hole Oceanographic Institution <http://www.whoi.edu/>

GOVERNMENT SITES

Maine Department of Marine Resources <http://www.maine.gov/dmr/index.htm>
National Marine Fisheries Service (NMFS) <http://www.nmfs.noaa.gov/>
National Oceanic and Atmospheric Administration (NOAA) <http://www.noaa.gov/>
USA.gov The U.S. Government's official web portal <http://www.usa.gov/>

WEB SITES

BiologyBrowser <http://www.biologybrowser.org/>
Census of Marine Life <http://www.coml.org/coml.htm>
The Cnidaria Home Page <http://www.ucihs.uci.edu/biochem/steele/default.html>
Dept. of Invertebrate Zoology, Smithsonian National Museum of Natural History <http://www.nmnh.si.edu/iz/>
EarthOCEAN <http://www.earthocean.tv>
Encyclopedia of life <http://www.eol.org/>
EurekAlert Marine Science Portal <http://www.eurekalert.org/marinescience/>
A Global Map of Human Impacts to Marine Ecosystems <http://www.nceas.ucsb.edu/GlobalMarine>
Integrated Taxonomic Information System <http://www.itis.gov/>
International Census of Marine Life <http://www.coml.org/>
Longevity records: Life spans of mammals, birds, amphibians, reptiles, and fish
<http://www.demogr.mpg.de/cgi-bin/longevityrecords/entry.plx>
MarineBio.org <http://marinebio.org/>
Marine Flatworms of the World <http://www.rzuser.uni-heidelberg.de/~bu6/flatintr.htm>
Marine Science Portal / EurekAlert AAAS <http://www.eurekalert.org/marinescience/>
NOAA Diving Program <http://www.ndc.noaa.gov/dr.html>
Ocean Explorer <http://oceanexplorer.noaa.gov/>
World Ocean Observatory <http://thew2o.net/>