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Botany

DEFINITIONS

Botany

- Botany is the branch of science that studies plant life. It is a very old branch of science that began with early people's interest in the plants around them. Plant science now extends from the interest or cutting edge biotechnology. Any topic dealing with plants, from the level of their cellular biology to the level of their economic production part of the field of botany. (*Magill's Encyclopedia of Science: Plant life, edited by Bryan D. Ness, New Jersey: Salem Press, 2003 Ref 580.3 M194, Reference Section, University Library*)
- Botany is the scientific study of plant life. As a branch of biology, it is also called plant science(s), phytology, or plant biology. Botany covers a wide range of scientific disciplines that study plants, algae, and fungi including: structure, growth, reproduction, metabolism, development, diseases, and chemical properties and evolutionary relationships between the different groups. The study of plants and botany began with tribal lore, used to identify edible, medicinal and poisonous plants, making botany one of the oldest sciences. From this ancient interest in plants, the scope of botany has increased to include the study of over 550,000 kinds or species of living organisms. (<http://en.wikipedia.org/wiki/Botany>)

BOOKS

Reference Section 2nd Floor

Ness, Bryan D. editor (2003) **Magill's encyclopedia of science : plant life.** 580.3 M194

Norman, James E., editor (2003) **A Comprehensive dictionary of botany** 580.3 C737 Reference

Circulation Section 3rd Floor

Albia, Jose A. (2007) **Laboratory manual in general botany.** 580.78 AI335

Berg, Linda R. (2012) **Introduction to botany.** Cir 580 B493

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Bidlack, James E. (2011) **Stern's introductory plant biology,** 12th ed. 580 B585 2011

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Levetin, Estelle (2012) **Plants & society.** 6th ed. Cir 580 L663 2012

Lewis, Walter H. (2003) **Medical botany : plants affecting human health.** 2nd ed. 615.321 L677
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Stern, Kingsley R. (2008) **Introductory plant biology,** 11th ed. 580 St839 2008

Taylor, Thomas (2009) **Paleobotany : the biology and evolution of fossil plants.** 561 T246
2009

Uno, Gordon (2001) **Principles of botany** 580 Un58

Filipiniana Section
2nd Floor

Rummel, Dietmar J. (2005) **Useful plants of the Philippines** Fil 581.9599 R937

High School Library
2nd & 3rd Floor APS Annex

Enriquez, M.R. (2004) **Mga Halamang Gamot.** Fil 581.634 En59

JOURNAL ARTICLE

Periodicals Section
2nd Floor

An account of the accessioned specimens in the Jose vera Santos Memorial Herbarium, University of the Philippines Diliman by S. L. Yap Science Diliman July – December 2013
page(s) 67-77

AUDIO-VISUAL MATERIAL

Audio-Visual Center
2nd Floor

ELECTRONIC JOURNALS

Accessible thru HAU Library Webpage
ProQuest Central

- Botany
- Annual Review of Plant Biology
- BMC Plant Biology
- Plant Molecular Biology
- The Botanical Review
- Edinburgh Journal of Botany
- Research Journal of Botany

INTERNET RESOURCES

Multimedia and Internet Workstation
2nd and 3rd Floor University Library

Botany.com the Encyclopedia of Plants and Gardening
<http://www.botany.com/> [Retrieved January 7, 2015]

Botany.com features an encyclopedia of plants and flowers to help our visitors learn how to identify indoor plants, also called houseplants, as well as outdoor plants. Plant Encyclopedia provides information about each plant or flower including a general description, methods and requirements of cultivation for each plant or flower, such as indoor or outdoor planting, soil and temperature requirements, pruning, and other important details such as, the means of propagation (seeds, cuttings, division, etc.), and the different varieties and hybrids of each plant or flower.

Botany from American Journal of Botany
<http://www.amjbot.org/> [Retrieved January 7, 2015]

The **American Journal of Botany** (AJB) publishes peer-reviewed, innovative, significant research of interest to a wide audience of plant scientists in all areas of plant biology (structure, function, development, diversity, genetics, evolution, systematics), all levels of organization (molecular to ecosystem), and all plant groups and allied organisms (cyanobacteria, algae, fungi, and lichens). **AJB** requires authors to frame their research questions and discuss their results in terms of major questions of plant biology. In general, papers that are too narrowly focused, purely descriptive, natural history, broad surveys, or that contain only preliminary data will not be considered.

Internet Directory for Botany
<http://www.botany.net/IDB/> [Retrieved January 7, 2015]

The Internet Directory of Botany is an index to botanical information available on the Internet, compiled by Anthony R. Brach [brach (at) oeb.harvard.edu] (Harvard University Herbarium, Cambridge / Missouri Botanical Garden, St. Louis, USA, [www page](http://www.oeb.harvard.edu)), Raino Lampinen (Botanical Museum, Finnish Museum of Natural History, University of Helsinki, Finland; [www page](http://www.botany.net)), Shunguo Liu [cathay (at) cathay.net] (SHL Systemhouse, Edmonton, Canada; [www page](http://www.shl.com)) and Keith McCree (Oakridge, Oregon; [www page](http://www.oakridge.org)).

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