

# Herbarium

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The specimens may be whole plants or plant parts; these will usually be in dried form mounted on a sheet of paper (called exsiccatum, plur. exsiccata) but, depending upon the material, may also be stored in boxes or kept in alcohol or other preservative. The specimens in a herbarium are often used as reference material in describing plant taxa. Some specimens may be types, some may be specimens distributed in published series called exsiccatae.

The term herbarium is often used in mycology to describe an equivalent collection of preserved fungi, otherwise known as a fungarium. A xylarium is a herbarium specialising in specimens of wood. The term hortorium (as in the Liberty...

## National Herbarium of Victoria

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The National Herbarium of Victoria (Index Herbariorum code: MEL) is one of Australia's earliest herbaria and the oldest scientific institution in Victoria. Its 1.56 million specimens of preserved plants, fungi and algae—collectively known as the State Botanical Collection of Victoria—comprise the largest herbarium collection in Australia and Oceania.

The collection includes scientifically and historically significant collections gathered by Joseph Banks and Daniel Solander during the voyage of HMS Endeavour in 1770, as well as 2,000 specimens collected by Robert Brown during Flinders' circumnavigation of Australia (1801–1805), and three collections made by Darwin during the Voyage of the Beagle to South America, Australia, and the Pacific. The herbarium was established in 1853 by Ferdinand...

## Australasian Virtual Herbarium

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The Australasian Virtual Herbarium (AVH) is an online resource that allows access to plant specimen data held by various Australian and New Zealand herbaria. It is part of the Atlas of Living Australia (ALA), and was formed by the amalgamation of Australia's Virtual Herbarium and NZ Virtual Herbarium. As of 12 August 2014, more than five million specimens of the 8 million and upwards specimens available from participating institutions have been databased.

## Western Australian Herbarium

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The Western Australian Herbarium is the state Herbarium, situated in Perth, the capital of Western Australia. It houses a collection of more than 845,000 dried specimens of plants, algae, bryophytes (mosses, liverworts and hornworts), lichens, fungi and slime moulds gathered from 1770 to today throughout Western Australia and from across the globe.

It is part of the Government of Western Australia's Department of Biodiversity, Conservation and Attractions, and has responsibility for the description and documentation of the flora of Western Australia. It has the Index Herbariorum code of PERTH.

The herbarium forms part of the Australasian Virtual Herbarium. The Herbarium's collection represents the work of over 13,000 collectors, encompassing more than 500 surveys and 180 studies across Western...

#### University of Michigan Herbarium

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The University of Michigan Herbarium is the herbarium of the University of Michigan in Ann Arbor, Michigan, in the United States. One of the most-extensive botanical collections in the world, the herbarium has some 1.7 million specimens of vascular plants, algae, bryophytes, fungi, and lichens, and is a valuable resource for teaching and research in biology and botany. The herbarium includes many rare and extinct species.

#### Virtual herbarium

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In botany, a virtual herbarium is a herbarium in a digitized form. That is, it concerns a collection of digital images of preserved plants or plant parts. Virtual herbaria often are established to improve availability of specimens to a wider audience. However, there are digital herbaria that are not suitable for internet access because of the high resolution of scans and resulting large file sizes (several hundred megabytes per file). Additional information about each specimen, such as the location, the collector, and the botanical name are attached to every specimen. Frequently, further details such as related species and growth requirements are mentioned.

#### National Herbarium of New South Wales

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The National Herbarium of New South Wales was established in 1853. The Herbarium has a collection of more than 1.4 million plant specimens, making it the second largest collection of pressed, dried plant specimens in Australia, including scientific and historically significant collections and samples of Australian flora gathered by Joseph Banks and Daniel Solander during the voyage of HMS Endeavour in 1770.

The Herbarium is a centre for Australian plant research. These specimens are used for studies of Australian native plants, their relationships and classification. A botanical information service is also provided including native plant identifications.

The National Herbarium is in the Robert Brown Building at the Royal Botanic Garden on Mrs Macquaries Road in Sydney. In June 2018 plans to...

#### State Herbarium of South Australia

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The State Herbarium of South Australia, sometimes called the South Australian Herbarium, and having the herbarium code, AD, is located in Adelaide, South Australia. It is one of several State and Commonwealth herbaria in Australia. The Department for Environment and Water is the state agency which is responsible for the Herbarium, but the Board of the Botanic Gardens and State Herbarium (established by an Act of Parliament, most recently the Botanic Gardens and State Herbarium Act 1978) is charged with its establishment and maintenance.

The herbarium is responsible for Electronic Flora of South Australia. It also produces the journal, Swainsona (formerly Journal of the Adelaide Botanic Gardens).

#### UC Riverside Herbarium

*The UCR Herbarium is a clearinghouse for information regarding plant species distribution in the Western hemisphere. The collection houses over 110,000*

The UCR Herbarium is a clearinghouse for information regarding plant species distribution in the Western hemisphere. The collection houses over 110,000 dried specimens, approximately 80,000 of which are from the United States, and 32,000 from Mexico. The collection is especially strong in the flora of Southern California and the Baja California peninsula.

The Herbarium maintains an online-assessable Filemaker database of every specimen in the stacks, which is constantly updated. The Herbarium's staff makes between 5–10 thousand identifications a year for visitors who bring in plant samples, approximately 1/4 of which have been made into new specimens. In addition, the Herbarium's active collection program generates thousands of additional specimens a year. Current field projects include the...

#### United States National Herbarium

*The United States National Herbarium is a collection of five million preserved plant specimens housed in the Department of Botany at the National Museum*

The United States National Herbarium is a collection of five million preserved plant specimens housed in the Department of Botany at the National Museum of Natural History, which is part of the Smithsonian Institution. It represents about 8% of the plant collection resources of the United States and is one of the ten largest herbaria in the world.

The herbarium was founded in 1848, when the first collections were accessioned from the United States Exploring Expedition, when botanists pressed approximately 50,000 specimens, representing 10,000 species of plants. The Index Herbariorum code assigned to this herbarium is US and this abbreviation is used when citing housed specimens.

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