

The Origin Of Plants

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The Origin Of Plants

Diagram according to symbiogenetic origin of plant cells, and phylogeny of algae, bryophytes, vascular plants, and flowering plants. The evolution of plants has resulted in a wide range of complexity, from the earliest algal mats, through multicellular marine and freshwater green algae, terrestrial bryophytes, lycopods and ferns, to the complex gymnosperms and angiosperms of today.

Evolutionary history of plants - Wikipedia

What We Really Know about the Origin of Plants
In the evolutionary story, plants arrived relatively late in earth history. The first fossils of plants are supposed to be 475 million years old. Evolutionists generally agree that plants evolved from algae that slowly began to colonize the land.

The Origin of Plants | Answers in Genesis

The origin of plants: Body plan changes contributing to a major evolutionary radiation Fossil and Molecular Evidence Illuminating the Origin of Plants.. The origin of terrestrial ecosystems, including the... Body Plan Changes Associated with the Origin of Plants.. The simplest known charophycean ...

The origin of plants: Body plan changes contributing to a ...

The appearance of land vegetation on Earth 450 million years ago marked a period of unparalleled innovation in plant evolution. The transition from algae to the first land plants---the transition from water to air---entailed adaptations that gave rise to many of today's major plant groups, including mosses, liverworts, lycopsids, and ferns.

Amazon.com: The Origin and Early Diversification of Land ...

Most of our ancestors came from animistic cultures, which believed that all things — including plants — hold a spirit. And this is also true today: Indigenous people worldwide still revere much of...

The Short History of Plants as Medicine - Healthline

The earliest evolutionary history of plants on land appears in the early Ordovician period, about 475 million years ago, although many paleobotanists suspect there were plants during the Cambrian period, 500 million years ago. Green algae, which is thought to date back around 700 million years.

What is the Evolutionary History of Plants? (with pictures)

The Origin of Cultivated Fruits and Vegetables. Most plants are poisonous. Humans have cultivated those few that were edible and nutritious or good tasting, and have selectively bred them over thousands of years for a variety of traits including size, flavor, and color. We have also moved them around a lot!

Plant Origins - Northern Arizona University

Safflower, *Carthamus tinctorius*, is a highly branched, herbaceous, thistle-like annual plant.It is commercially cultivated for vegetable oil extracted from the seeds and was used by the early Spanish colonies along the Rio Grande as a substitute for saffron. Plants are 30 to 150 cm (12 to 59 in) tall with globular flower heads having yellow, orange, or red flowers.

Safflower - Wikipedia

The History of Peanuts
The peanut plant probably originated in Brazil or Peru, although no fossil records exist to prove this. For as long as people have been making pottery in South America (3,500 years or so) they have been making jars shaped like peanuts and decorated with peanuts. Graves of ancient Incas found along the dry western coast of ...

Origin & History of Peanuts

History. Plantains are believed to have originated in Southeast Asia. Two groups of plantains are thought to have a common origin: the horn plantain and the French plantain. Both types grow in India, Africa, Egypt, and tropical America. The French plantains also occur in Indonesia and the islands of the Pacific.

plantain | Description, Uses, History, & Facts | Britannica

During their evolution, plants have acquired the ability to produce a huge variety of compounds. Unlike the specialized metabolites that accumulate in limited numbers of species, flavonoids are widely distributed in the plant kingdom. Therefore, a detailed analysis of flavonoid metabolism in genomics and metabolomics is an ideal way to investigate how plants have developed their unique ...

Frontiers | The Origin and Evolution of Plant Flavonoid ...

One theory that explains the origin of the sporophyte in land plants is known as the interpolation theory or the antithetic theory. In this theory, the origination of the sporophyte began when the zygote in the life cycle of a multicellular, haploid green alga divided by mitosis instead of meiosis.

Origin of Land Plants | Digital Atlas of Ancient Life

Earth is the planet of the plants—and it all can be traced back to one green cell. The world's lush profusion of photosynthesizers—from towering redwoods to ubiquitous diatoms—owe their existence...

How the First Plant Came to Be - Scientific American

Important general biological observations were made by Robert Hooke (1635–1703) but the foundations of plant anatomy were laid by Italian Marcello Malpighi (1628–1694) of the University of Bologna in his *Anatome Plantarum* (1675) and Royal Society Englishman Nehemiah Grew (1628–1711) in his *The Anatomy of Plants Begun* (1671) and *Anatomy of Plants* (1682). These botanists explored what is now called developmental anatomy and morphology by carefully observing, describing and drawing the ...

History of botany - Wikipedia

Hosta Plant History. When it comes to the history of hostas, the distinctive, leafy plant is anything but new. The origin of hosta plants has been traced to the rich, shady forests of China, where they grew wild. From there hosta migrated throughout Asia, Korea and Russia.

Hosta Plant History - Learn About The Origin Of Hosta ...

Schlumbergera Plant History. Adding to the intrigue, the Christmas cactus origin is steeped in sultry, tropical temperatures in the country of Brazil. A plant in the Schlumbergera family, Christmas cacti are so named because of their flowering time in the Northern Hemisphere.

Christmas Cactus Origin: Learn The History Of Christmas ...

Squash (genus Cucurbita), including squashes, pumpkins, and gourds, is one of the earliest and most important of plants domesticated in the Americas, along with maize and common bean.The genus includes 12–14 species, at least six of which were domesticated independently in South America, Mesoamerica, and Eastern North America, long before European contact.

Domestication History of Squashes (Cucurbita spp)

The history and evolution of plants can be traced back by about one billion years. Algae were the first organisms to harness solar energy with the help of chloroplasts. In other words, they were...

New data on the evolution of plants and origin of species ...

The banana plant is a gigantic herb that springs from an underground stem, or rhizome, to form a false trunk 3–6 metres (10–20 feet) high. This trunk is composed of the basal portions of leaf sheaths and is crowned with a rosette of 10 to 20 oblong to elliptic leaves that sometimes attain a length of 3–3.5 metres (10–11.5 feet) and a ...