Understanding Leaf Anatomy And Morphology

Proceedings of the Plant Growth Regulation Society of America

Bibliography of Agriculture with Subject Index

The Phylogeny of the Podocarpaceae Based on Evidence from Morphology and 18S Ribosomal DNA Data

Leaf Structure of a Venezuelan Cloud Forest

Size- and Age-Related Changes in Tree Structure and Function

Australian Journal of Agricultural Research

Morphology and Anatomy of Leaves from Some Woody Plants in a Humid Tropical Forest of Venezuelan Guayana

Recent Advances in Botany

Plant Anatomy and Morphology: Structure, Function and Development

Australian Journal of Botany

JARQ. Kew Record of Taxonomic Literature Relating to Vascular Plants

Plant Anatomy and Physiology

The Morphology, Anatomy, Biology, and Classification of Peninsular Malaysian Bamboos

Annals of Botany Vols. 1-4 include section called Record of current literature.

Acta Societatis Botanicorum Poloniae

The Kew Record of Taxonomic Literature Relating to Vascular Plants
Understanding Plant Anatomy Maclurolyra tecta, a new genus of grasses from Panama, is described. Features of its leaf anatomy and epidermis, seedlings, inflorescence morphology, floral structure, and cytology, indicate that it is a member of the tribe Olyreae of the subfamily Bambusoideae. A description is given of the "bambusoid" type of leaf anatomy, as well as comments on the vascular bundle sheaths in grasses, and chloroplast structure and photosynthetic pathways as new criteria in grass taxonomy. The phylogenetic position of Maclurolyra is discussed and a list of genera comprising the Bambusoideae is presented.

Proceedings. Koninklijke Nederlandse Akademie van Wetenschappen

Morphology and Anatomy of Leaf

New Zealand Journal of Ecology

Indian Science Abstracts

The American Journal of Science

Phytomorphology

Bibliography of Agriculture

Plant Breeding Abstracts

Bothalia

Stomata Millions of trees live and grow all around us, and we all recognize the vital role they play in the world's ecosystems. Publicity campaigns exhort us to plant yet more. Yet until recently comparatively little was known about the root causes of the physical changes that attend their growth. Since trees typically increase in size by three to four orders of magnitude in their journey to maturity, this gap in our knowledge has been a crucial issue to address. Here at last is a synthesis of the current state of our knowledge about both the causes and consequences of ontogenetic changes in key features of tree structure and function. During their ontogeny, trees undergo numerous changes in their physiological function, the structure and mechanical properties of their wood, and overall architecture and allometry. This book examines the central interplay between these changes and tree size and age. It also explores the impact these changes can have, at the level of the individual tree, on the emerging characteristics of forest ecosystems at various stages of their development. The analysis offers an explanation for the importance of discriminating between the varied physical properties arising from the nexus of size and age, as well as highlighting the implications these ontogenetic changes have for commercial forestry and climate change. This important and timely summation of our knowledge base in this area, written by highly respected researchers, will be of huge interest, not only to researchers, but also to forest managers and silviculturists.

Morphological and Anatomical Considerations of the Grass Subfamily Bambusoideae Based on the New Genus Maclurolyra Plant Anatomy and Physiology provides a comprehensive survey of major issues at the forefront of botany. It contains a detailed study of fundamentals of plant anatomy and physiology. This book will be highly informative to students, professionals and researchers in the field of botanical sciences, who want an introduction to current topics in this subjects.

Proceedings The second edition of this popular work provides a comprehensive account of all aspects of stomatal biology. The substantially revised text is thoroughly up to date and well illustrated with numerous line illustrations, photographs and comprehensive tables. The theory of gaseous diffusion through stomata is reviewed in a new chapter and sections on signal perception and transduction, guard cell ionic relations and guard cell metabolism have been added. A concluding chapter reviews the genetics and molecular biology of stomata. This work provides a comprehensive reference text which will appeal to advanced students, post-graduates and lecturers in plant physiology.

Kew Record of Taxonomic Literature Relating to Vascular Plants
Physiological Characteristics and Leaf Anatomy of C4 and C3 Species List of members in v. 4, no. 2, 1927.

Journal of Plant Anatomy and Morphology

Dissertation Abstracts International Latex, Laticifers And Their Products, Volume 93 in the Advances in Botanical Research series, highlights new advances in the growing field of the latex of different plant species and a diversity of molecules produced by the plants within laticifers. The new volume presents timely chapters on the latest developments in Plant latex and latex-borne defense, Physiology and structure of laticifers, Low-molecular compounds of latex-bearing plants/Latex-based defense strategies against pests, Plant latex proteins and their functions, Latex and Laticifers as a Source of Useful Bioactive Compounds. Pharmacologically active compounds from latex of medicinal plants. Euphorbia latex biochemistry/ proteins, and more. Highlights new advances on physiology and structure of laticifers Focuses on the latest developments in latex-borne defense against herbivores and pathogens Includes the latest information on the diversity of molecules produced by different latex-bearing plants and a wide range of their activities and applications


Latex, Laticifers and Their Products

The Anatomy and Morphology of Certain Cordaites Leaves

Palaeontographica

The Journal of Imaging Science and Technology

Air Pollution and how it Affects Plants

Deep Morphology Plant anatomy is the study of the internal structure of plants. It often involves sectioning of tissues and microscopy, to study plants at the cellular level. Plant anatomy is divided into structural categories such as root anatomy, stem anatomy, wood anatomy, leaf anatomy, fruit/seed anatomy and flower anatomy. The study of the external structure and physical form of plants is known as plant morphology. It is useful in the visual identification of plants. Plant morphology studies the reproductive and vegetative structures of plants. It examines the pattern of development along with the process by which structures originate and mature when a plant grows. This book includes some of the vital pieces of work being conducted across the world, on various topics related to plant anatomy and morphology. It strives to provide a fair idea about these disciplines and to help develop a better understanding of the latest advances within these fields. The extensive content of this book provides the readers with a thorough understanding of the subject.

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