

1. Record Nr.	UNINA9910639894903321
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Titolo	Garden Plants Taxonomy : Volume 1: Ferns, Gymnosperms, and Angiosperms (Monocots) // by Bijan Dehgan
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	9783031115615 9783031115608
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (716 pages)
Disciplina	582.13012 635.93
Soggetti	Plant anatomy Plant physiology Landscape architecture Plant diseases Agriculture Plant Anatomy and Morphology Plant Physiology Landscape Architecture Plant Pathology Falgueres Gimnospermes Angiospermes Taxonomia botànica Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references (pages 653-664) and index. Includes bibliographical references and index.
Nota di contenuto	Preface -- Introduction -- 1. Nomenclature -- 2. Lycopods And Monilophytes -- 3. Gymnosperms -- 4. Angiosperms: Flowering Plants -- Index.
Sommario/riassunto	Horticulture has remained far behind in understanding of botanical

principles. Recent phylogenetic (DNA-based) reorganization of higher plants has revolutionized taxonomic treatments of all biological entities, even when morphology does not completely agree with their organization. This book is an example of applying principals of botanical phylogenetic taxonomy to assemble genera, species, and cultivars of 200 vascular plant families of ferns, gymnosperms, and angiosperms that are cultivated for enhancement of human living space; homes, gardens, and parks. The emphases are on cultivated species but examples of some plants are often shown in the wild and in landscapes. In providing descriptions, it is assumed that students and other interested individuals have no background in general botany (plant characteristics), or nomenclature. Fundamental features of all plant groups discussed are fully illustrated by original watercolor drawings or photographs. Discussion of the families is grounded on recent botanical phylogenetic treatments, which is based on common ancestry (monophyly). Of course, phylogenetic taxonomy is not a new concept, and was originally based on morphological characteristics; it is the DNA-based phylogeny that has revolutionized modern biological classifications. In practical terms, this book represents the horticultural treatment that corresponds to phylogenetic-based botanical taxonomy, to which is added cultigens and cultivated genera and species. Hence, the harmony between horticultural and botanical taxonomy. This book covers phylogenetic-based taxonomy of Ferns, Gymnosperms, and Angiosperms (Monocots). A companion volume covers Angiosperms (Eudicots).

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