

Flavonoids Of The Sunflower Family Asteraceae

The Sunflower Family
Flavonoids of the Sunflower Family (Asteraceae)
The Sunflower Family (Asteraceae) of British Columbia: Senecioneae
The Sunflower Family (Asteraceae) of British Columbia
The Sunflower Family (Asteraceae) of British Columbia: Asterceae
The Sunflower Family (Asteraceae) of British Columbia
The Sunflower Family (Asteraceae) of British Columbia
Sunflower Family (Asteraceae) of British Columbia, Volume 1 - Senecioneae
Flavonoids of the Sunflower Family (Asteraceae): Biological Functions of Flavonoids
Wild Flowers
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The Sunflower Family in the Upper Midwest
Phylogenetic Studies in Compositae
Tribe Mutisieae
Medicinal Plants of the Asteraceae Family
Proceedings of the International Compositae Conference, Kew, 1994
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Bruce A. Bohm
George Wayne Douglas
George Wayne Douglas
George W. Douglas
George W. Douglas
British Columbia Provincial Museum
Teralene S. Foxx
George Wayne Douglas
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Vicki Ann Funk
Thomas M. Antonio
Hans V. Hansen
Hari Prasad Devkota
David John Nicholas
Hind Kåre Bremer
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flavonoids are secondary plant products that have previously been shown to be helpful in determining relationships among plant groups this work presents comprehensively the occurrence patterns of variation and systematic and evolutionary importance of flavonoids in the sunflower family asteraceae the largest family of flowering plants 23 000 species it gathers together the more than 2500 reports of flavonoids in asteraceae published between 1950 to the present and interprets these data in context of new taxonomic especially generic alignments the authors discuss flavonoid patterns with reference to modern phylogenetic studies based on morphology and dna data this book provides therefore the most exhaustive synthesis and evaluation of the systematic and evolutionary import of flavonoids ever accomplished for any large family of angiosperms

the sunflower family is one of the largest families of plants and includes many well known species such as the dandelion wormwood goldenrod chrysanthemum and camomile over 300 sunflower family species are found in british columbia after an introduction reviewing the general characteristics of the sunflower family this volume provides detailed taxonomic descriptions of species found in british columbia from four tribes of this family astereae including asters and daisies anthemideae including sagebrush and tansy eupatorieae including bricklebrush and inuleae including filago and everlasting an important purpose of this guide is to enable non botanists to identify different species and it includes identification keys illustrations of various parts of the plants and maps of the plant s known geographic range in the province an appendix includes a glossary lists of species and synonyms and a list of excluded taxa

this spectacular book does full justice to the compositae asteraceae the largest and most successful flowering plant family with some 1700 genera and 24 000 species it is an indispensable reference providing the most up to date hypotheses of phylogenetic relationships in the family based on molecular and morphological characters along with the corresponding subfamilial and tribal classification the 2009 work not only integrates the extensive molecular phylogenetic analyses conducted in the last 25 years but also uses these to produce a metatree for about 900 taxa of compositae the book contains 44 chapters contributed by 80 authors covering the history economic importance character variation and systematic and phylogenetic diversity of the family the emphasis of this work is phylogenetic its chapters provide a detailed current and thoroughly documented presentation of the major and not so major clades in the

family citing some 2632 references like the compositae the book is massive diverse and fascinating it is beautifully illustrated with 170 figures and an additional 108 cladograms all consistently color coded based on the geographic range of the included taxa within these figures are displayed 443 color photographs clearly demonstrating the amazing array of floral and vegetative form expressed by members of the clade resumen del editor

this eye catching book features 544 photos and range maps for each of the 150 treated species

this book highlights 12 major plants in the asteraceae family from the aspects of traditional uses as food and medicine phytochemistry and pharmacological activities asteraceae is one of the largest family of flowering plants comprising over 1 600 plant genera and 32 000 plant species plants belonging to this family have a long history of being used as medicinal plants for the treatment of various diseases many of them are also used in the preparation of foods beverages and also used in pharmaceutical and cosmetic industries in addition plants such as artemisia annua have played an important role in the discovery of novel drugs the book summarizes the traditional uses of the plants in the family asteraceae and their scientific validation which helps readers understand their relation and impact on human health it also explains the phytochemistry of the species and presents the pharmacological activities and mechanisms in detail understanding current scientific knowledge will help in the commercialization of products based on these plants and also helps to find the research gaps that should be fulfilled in the future for their optimal use it also helps in increasing the awareness of the plant species related to conservation cultivation and sustainable utilization this edited volume comprises chapters contributed by experts from around the world

the result is the most comprehensive elucidation of the evolutionary relationships of the asteraceae and of the groups within it and an exhaustive classification of the family all available information on the phylogeny of the family has here been assembled in one volume included are more than 50 cladograms and phylogenetic trees many of them from new and hitherto unpublished cladistic analyses in addition to introductory chapters on cladistics classification morphology and evolution the book also includes chapters on each of the sub families and tribes with illustrations of morphological details as well as descriptions of all genera several of these chapters were provided by arne a anderberg per ola karis bertil nordenstam johannes lundberg and olof ryding from the swedish museum of natural history in stockholm and from the department of systematic botany at uppsala university sweden

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