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| Autore | stankovici milan |
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| Descrizione fisica | 435 pages : illustrations |
| Altri autori (Persone) | Stankovic |
| Disciplina | 297.05 580 |
| Soggetti | Agriculture Botany Environmental engineering |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Includes index. |
| Nota di contenuto | Chapter 1 Systematics and Biogeography of the Genus Teucrium (Lamiaceae) -- Chapter 2 Morphological Characteristics of Teucrium Species: Vegetative Morphology -- Chapter 3 Morphological Characteristics of Teucrium Species: Generative Morphology -- Chapter 4 Ecology of Teucrium Species: Habitat Related Metal Content Dynamics -- Chapter 5 Ethnobotanical Features of Teucrium Species -- Chapter 6 Phenolic Compounds Diversity of Teucrium Species -- Chapter 7 Essential Oils Diversity of Teucrium Species -- Chapter 8 Secondary Metabolites of Teucrium Species With Toxic Effects -- Chapter 9 Genotoxic Activity of Secondary Metabolites of Teucrium Species -- Chapter 10 Antioxidant Activity of Secondary Metabolites of Teucrium Species -- Chapter 11 Antiviral Activity of Secondary Metabolites of Teucrium Species -- Chapter 12 Antibacterial and Antifungal Activity of Secondary Metabolites of Teucrium Species -- Chapter 13 Anticancer Activity of Secondary Metabolites of Teucrium Species -- Chapter 14 Anticholinesterase, Antidiabetic and Anti-Inflammatory Activity of Secondary Metabolites of Teucrium Species -- Chapter 15 Application of Teucrium Species: Current Challenges and Further Perspectives. |
| Sommario/riassunto | Teucrium species are an interesting object of research in the various |

aspects of science with multiple applications. With more than 300 species, *Teucrium* is one of the largest and well distributed genera of the Lamiaceae family. Known medicinal *Teucrium* species have a long traditional use as well as different potential applications in pharmacy, food and beverage industry. *Teucrium* species are very rich in a variety of secondary metabolites with significant biological activities. Based on that, the book contains 15 chapters which discusses recent advances in exploring the unique features of *Teucrium* species including morphology, systematics, taxonomy, biogeography, ethnobotany, phytochemistry, biological activity such as genotoxic, antioxidant, antibacterial, antifungal, antiviral, anticancer, anticholinesterase, antidiabetic and anti-inflammatory activity of secondary metabolites as well as applications including current challenges and further perspectives. Some medicinal *Teucrium* species in excessive use can cause certain consequences. This phenomenon and precaution is also described. Whilst this book is primarily aimed at scientists, researchers, beginners in the investigations of *Teucrium* species, graduate and post-graduate students in biology, botany, biotechnology, agriculture, and pharmacy, as well as science enthusiasts and practitioners involved in medicinal plants applications. Book provides complete *Teucrium* species list, color photographs of selected *Teucrium* species on natural habitats, as well as up-to-date bibliography related to *Teucrium* genus.
