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Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (185 pages)
Disciplina	582.096 583.73
Soggetti	Plant anatomy Plant development Plant systematics Plant taxonomy Plant breeding Plant ecology Plant genetics Plant Anatomy/Development Plant Systematics/Taxonomy/Biogeography Plant Breeding/Biotechnology Plant Ecology Plant Genetics and Genomics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Preface -- Introduction -- History and Archeology -- Taxonomy, distribution, and ecology -- Resin collection and tapping practices -- Tree growth and physiology -- Tree growth and climatic adaptations -- Microbial symbionts -- Genetic diversity and population structure -- Genome sequencing and comparative assessment in Boswellia -- Economics and social use -- Propagation and conservation -- Phytochemical and medicinal aspects of resin -- Phytochemical and medicinal aspects of essential oil -- Pyrolysis of frankincense -- Frankincense-based products -- Glossary -- Index.

Sommario/riassunto

This book provides insight into the biology and genomics of the genus *Boswellia* (family Burseraceae), a natural resource used for the production of frankincense, an oleo-gum resin. The *Boswellia* species are ecologically, medicinally, commercially and culturally important. Significantly contributing to the paucity of comprehensive literature on this genus, this volume provides a detailed discussion on the genomics, physiology and ecology of *Boswellia*. The chapters cover a wide range of topics, including taxonomy, distribution, genetic diversity and microbiology. The production process of frankincense and its impact on the species are presented as well. In light of the recent decline of various *Boswellia* populations, species propagation and conservation are discussed. Plant scholars, ecologists and conservation biologists will find this book to be an important and informative reference.
