

Thammineni Pullaiah · Sudhir Chandra Das
Vishwas A. Bapat · Mallappa Kumara Swamy
Vaddi Damodar Reddy
Kondragunta Sri Rama Murthy *Editors*

Sandalwood: Silviculture, Conservation and Applications

 Springer

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Editors

Thammineni Pullaiah
Department of Botany
Sri Krishnadevaraya University
Anantapur, Andhra Pradesh, India

Sudhir Chandra Das
Forest Department, Govt. of West Bengal
Indian Forest Service
Kolkata, West Bengal, India

Vishwas A. Bapat
Department of Biotechnology
Shivaji University
Kolhapur, Maharashtra, India

Mallappa Kumara Swamy
Department of Biotechnology
East West First Grade College
Bengaluru, Karnataka, India

Vaddi Damodar Reddy
Department of Biochemistry
REVA University
Bengaluru, Karnataka, India

Kondragunta Sri Rama Murthy
Research & Development
Shivashakti Biotechnologies Ltd
Hyderabad, Telangana, India

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Abstract

The genus *Santalum* has been included in Santalaceae family, and is categorized as a hemiparasitic plant. This genus is represented by about 19 accepted tree species that are distributed in India, Indonesia, Philippines, Pacific Islands, and Australia. *S. album* is the most famous and treasured species, and is also known as Sandalwood, Indian Sandalwood, or White Sandalwood. The tree is well known for its uses worldwide, since the ancient times. Presently, this species is categorized as a “vulnerable species”, because of over-exploitation of trees from their natural habitats. Consequently, Sandalwood products have become costly and rare, and various efforts have been taken by the Indian government to protect this appreciated resource. This chapter provides the botany, identification characters, distribution, phenology, anatomical features, reproductive biology, breeding system and variations of Sandalwood in their environmental gradients with photographs.

KeywordsSandalwood · *Santalum* · Santalaceae · Taxonomy · Reproductive biology

T. Pullaiah (✉)

Department of Botany, Sri Krishnadevaraya University, Anantapur, Andhra Pradesh, India

S. Karuppusamy

Department of Botany, The Madura College, Madurai, Tamil Nadu, India

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Vaddi Damodar Reddy · Kondragunta Sri Rama Murthy *Editors*

Sandalwood: Silviculture, Conservation and Applications

This book collects comprehensive information on taxonomy, morphology, distribution, wood anatomy, wood properties and uses. It also discusses silvicultural aspects, agroforestry, pests and diseases, biotechnology, molecular studies, biosynthesis of oil, conservation, trade and commerce of Sandal wood. Sandalwood (*Santalum album* L.) is considered as one of the world's most valuable commercial timber and is known globally for its heartwood and oil. The book brings together systematic representation of information with illustrations, thus an all-inclusive reference and field guide for foresters, botanists, researchers, farmers, traders and environmentalists.

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