

Medicinal Plants and Phytomolecules

Cultivation for Large Scale Production

Medicinal Plants and Phytomolecules: Cultivation for Large Scale Production offers an in-depth exploration of modern cultivation and management practices essential for farm-scale production of phytomolecule-rich plants. As global interest and market demand for herbal medicines and botanical products soar, the sustainability of wild harvesting is increasingly threatened. This book provides critical guidance on transitioning to cultivated sources, ensuring both optimal yields and preservation of commercially valuable species. By focusing on sustainable production systems, readers gain a comprehensive understanding of how careful cultivation can safeguard biodiversity while meeting industry needs. The book presents up-to-date information on the entire field cultivation process, including seed and soil preparation, nutrient management, agro-techniques, phyto-nanotechnology, and precision farming. Commercial producers and researchers will find valuable insights into innovative approaches that enhance quality standards for raw materials used across pharmaceuticals, nutraceuticals, cosmetics, perfumery, agrochemicals, and other industries. The volume emphasizes the importance of advanced agro-techniques and management practices in optimizing both quantity and quality of medicinal plant products.

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183,50 €

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*vorbestellbar, Erscheinungstermin ca.
November 2026*

Artikelnummer: 9780443267970

Medium: Buch

ISBN: 978-0-443-26797-0

Verlag: Elsevier Science

Erscheinungstermin: 01.11.2026

Sprache(n): Englisch

Auflage: Erscheinungsjahr 2026

Produktform: Kartoniert

Gewicht: 450 g

Seiten: 400

Format (B x H): 191 x 235 mm

