



Prospecting of Nothapodytes nimmoniana (J.Graham) Mabberley

By Rajasekharan, P. E. / Kareem, V. K. Abdul

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Nothapodytes nimmoniana | Nothapodytes nimmoniana Graham is an important Indian medicinal plant with rich source of quinoline alkaloid Camptothecin which is considered to be the most promising anticancer drug of the twenty first century. Camptothecin (CPT), a monoterpene indole alkaloid, is one of the most promising anticancer drugs of the 21st century. Although CPT has been reported to exist in several species, the highest concentration has been found from Nothapodytes nimmoniana, a small tree distributed in the Western Ghats of India. Recently some efforts have been initiated for in vitro conservation and production of CPT, identification of high yielding individuals and molecular profiling. Reproductive biology and breeding behaviour distribution, chemistry, structure and properties of CPT, extraction and accumulation of CPT biosynthesis and co-evolution and conservation of this species is dealt here. We briefly outline the overall status of N. nimmoniana as a source of CPT and discuss the possibility of biotechnological intervention for higher production of CPT without destructive harvesting of natural population. | Format: Paperback | Language/Sprache: english | 104 pp.



[READ ONLINE](#)
[7.19 MB]

Reviews

This book may be worth purchasing. I was able to comprehend every thing using this published e publication. I am happy to let you know that this is the very best ebook i have got read inside my very own daily life and could be he finest ebook for actually.

-- Rhoda Durgan PhD

Absolutely essential study book. It normally is not going to charge excessive. I am delighted to inform you that this is basically the finest ebook we have study during my very own lifestyle and can be he greatest publication for at any time.

-- Dr. Willis Paucek II