



T. Pulliah, P.B. Raghavendra, S. Karuppusamy,  
V. Ravindran and M. Anuradha

**CAMPTOTHECIN AND  
CAMPTOTHECIN  
PRODUCING PLANTS**



# Camptothecin and Camptothecin Producing Plants

Botany, Chemistry, Anticancer Activity,  
and Biotechnology

**T. PULLAIAH**

Department of Botany, Sri Krishnadevaraya University, Anantapur,  
India

**P.B. RAGHAVENDRA**

School of Regenerative Medicine, Manipal University, Bangalore, India

**S. KARUPPUSAMY**

Department of Botany, The Madura College, Madurai, India

**V. RAVEENDRAN**

Department of Cell Biology, King Faisal Specialist Hospital and  
Research Center, Riyadh, Kingdom of Saudi Arabia

**M. ANURADHA**

Department of Biotechnology, Padmashree Institute of Management  
and Sciences, Bangalore, India



**ACADEMIC PRESS**

An imprint of Elsevier

# CAMPTOTHECIN AND CAMPTOTHECIN PRODUCING PLANTS

*Camptothecin and Camptothecin Producing Plants: Botany, Chemistry, Anticancer Activity, and Biotechnology* provides comprehensive information on discovery, diversity of camptothecin biosynthesizing plants, biochemistry, biogenesis of camptothecin, pharmacology, clinical studies, and biotechnological aspects. The major focus is camptothecin yielding plants, challenges for their utility, and their exploitation and sustainable utilization.

Chapters of this book thoroughly reviewed the anticancer properties of camptothecin, mechanism of action, other derivatives, and their medicinal properties. This is a valuable resource for cancer biologists, researchers, biomedical scientists, biotechnologists, and herbal drug manufacturers. Alternative resources and sustainable utilization of current sources are also deliberated.

## Key Features

- Provides information on camptothecin producing plants, distribution, biochemistry, and scientific basis for the anticancer plants
- Camptothecin and other derivatives of camptothecin, their other pharmacological properties
- Propagation, alternative strategies for the CPT production, biotechnology, and recent developments

## About the authors

**Prof. T. Pullaiah** has retired from active service in 2011 and then was UGC-BSR Faculty Fellow in the Department of Botany, Sri Krishnadevaraya University, Anantapur, India. He has published 75 books, 330 research papers, and 35 popular articles. He was the President of Indian Association for Angiosperm Taxonomy (2013) and the President of the Indian Botanical Society (2014). He has been a member of Species Survival Commission of International Union for Conservation of Nature and Natural Resources (IUCN).

**Dr. P. B. Raghavendra** is currently affiliated with School of Regenerative Medicine, Manipal University, Bangalore, India, and has served as Director of School of Chemical and Biological Sciences, REVA University. He is the author of the book *Advances in Cell and Molecular Diagnostics* and a number of articles and book chapters on various aspects of medical sciences and life sciences published in international journals. He is a visiting professor and technology consultant for many universities and biotechnology companies.

**Dr. S. Karuppusamy** is currently affiliated with the Department of Botany, The Madura College, Madurai, India. He was Post Doctoral Fellow at Sri Krishnadevaraya University. He has published 10 books and 120 research papers. He was awarded Prof. Y.S. Murthy Gold Medal from Indian Botanical Society.

**Dr. V. Raveendran** is working as Associate Scientist, Cardiovascular Research Program, King Faisal Hospital and Research Center, Riyadh, Kingdom of Saudi Arabia. He was a Post-Doctoral Fellow at Department of Internal Medicine, University of Kansas Medical Center, Kansas, KS, United States.

**Dr. M. Anuradha** is currently affiliated to Padmashree Institute of Management and Sciences, Bangalore, India. She was scientist at Dr. Reddy's Research Foundation, Hyderabad, India and Sami Labs Pvt. Ltd., Bangalore, India. She published one book and more than 30 papers in national and international journals and co-author for book chapters. She also filed six Indian patents and has one US patent granted. She successfully completed four research projects on camptothecin yielding plants supported by Department of Science and Technology, New Delhi and National Medicinal Plants Board, New Delhi and consultant to private herbal companies dealing with camptothecin.



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An imprint of Elsevier  
[elsevier.com/books-and-journals](http://elsevier.com/books-and-journals)

ISBN 978-0-12-820499-3



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