

# Harnessing Medicinal Plants in Cancer Prevention and Treatment

Part of the Advances in Medical Diagnoses, treatment, and Care Book Series

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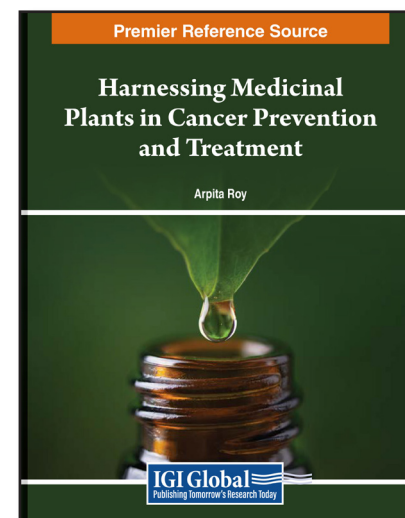
## Description:

In a world grappling with the relentless impact of cancer, claiming nearly 10 million lives in 2020 alone, the pursuit of effective prevention and treatment methods is more crucial than ever. **Harnessing Medicinal Plants in Cancer Prevention and Treatment** delves into promising medicinal plants, exploring their potential in the prevention and treatment of various types of cancer. Acknowledging the limitations and risks associated with synthetic medicines, the book emphasizes the significance of traditional medicine, revealing that approximately 80% of the global population relies on plant-based remedies for primary health care.

Within these pages, readers will find a comprehensive exploration of diverse medicinal plants and their active compounds, unraveling their mode of action against cancer. The content spans continents, from the phytochemical and biological properties of anticancer medicinal plants in India to the role of Chinese and Thai plants in cancer prevention and treatment. Each chapter meticulously examines specific plants or compounds, such as the renowned *Curcuma longa*, or the intriguing *Momordica charantia*, providing an in-depth analysis of their anticancer properties.

This book elucidates the multifaceted role of plant-derived compounds in various cancer types, addressing their efficacy and safety profiles. The book is rich with insights into the potential of bioactive compounds to serve as lead candidates in drug discovery, highlighting the importance of plants in developing effective anticancer agents.

This book is an invaluable resource for a diverse audience, including biotechnologists, plant biologists, pharmacologists, and cancer-related researchers. For students venturing into biotechnology and medicinal plants, this work offers a solid foundation in an emerging area of sustainable research. Presenting current knowledge and future prospects illuminates the path forward for harnessing the power of medicinal plants in the ongoing battle against cancer.



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E-Book:** \$460.00

## Topics Covered:

- Anticancer Compounds
- Bioactive Compounds
- Breast Cancer Therapy
- Cancer Prevention
- Conservation of Anticancer Plants
- Drug Discovery
- Flavonoids in Cancer
- Immune System Enhancement
- Medicinal Plants
- Phytochemicals
- Plant-Derived Therapeutics
- Traditional Medicine

**Subject:** Medicine & Healthcare

**Classification:** Edited Reference

**Readership Level:** Advanced-Academic Level  
(Research Recommended)

**Research Suitable for:** Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

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