

Contents

<i>Preface</i>	v
<i>About The Book</i>	ix
1. The Promise of Endophytic Fungi as Sustainable Resource of Biologically Relevant Pro-drugs: A Focus on Cameroon <i>Souvik Kusari and Michael Spiteller</i>	1
2. Endophytic Fungi and Their Bioprospection <i>A. González-Coloma, A. Cosoveanu, R. Cabrera, C. Giménez and Nutan Kaushik</i>	14
3. Antimycobacterials from Fungi <i>Sunil Kumar Deshmukh, Shilpa Amit Verekar and B.N. Ganguli</i>	32
4. Antiphytopathogenic Metabolites Derived from Endophytic Fungi <i>Kanika Chowdhary and Nutan Kaushik</i>	61
5. Fungal Secondary Metabolites as Source of Antifungal Compounds <i>Francisca Vicente, Fernando Reyes and Olga Genilloud</i>	80
6. Modulation of Fungal Secondary Metabolites Biosynthesis by Chemical Epigenetics <i>Jacqueline Aparecida Takahashi, Dhionne Corrêa Gomes, Fernanda Henrique Lyra and Gabriel Franco dos Santos</i>	117
7. Volatile Organic Compounds from Fungi: Impact and Exploitation <i>Sanjai Saxena</i>	134
8. Fungi and Statins <i>J.K. Misra</i>	152
9. Glycans of Higher Basidiomycetes Mushrooms with Antiphytoviral Properties: Isolation, Characterization, and Biological Activity <i>O.G. Kovalenko and S.P. Wasser</i>	161

10. Fungi: Myconanofactory, Mycoremediation and Medicine	201
<i>Mahendra Rai, Avinash Ingle, Swapnil Gaikwad, Indarchand Gupta, Alka Yadav, Aniket Gade and Nelson Duran</i>	
11. Potential Biotechnological Applications of Thermophilic Moulds	220
<i>Bijender Singh and T. Satyanarayana</i>	
12. Wood-Inhabiting Fungi: Applied Aspects	245
<i>Daniel Tura, Solomon P. Wasser and Ivan V. Zmitrovich</i>	
13. <i>Fusarium</i> Toxins in Cereals in Northern Europe and Asia	293
<i>T. Yli-Mattila and T. Yu. Gagkaeva</i>	
14. Mycotoxins: Fungal Secondary Metabolites with Toxic Properties	318
<i>P.M. Cano, O. Puel and I.P. Oswald</i>	
15. Nutritional Profile of Wild Edible Mushrooms of North India	372
<i>N.S. Atri, Babita Kumari, Sapan Kumar, R.C. Upadhyay, Ashu Gulati, Lata and Arvind Gulati</i>	
16. Strategies for the Management of Rice Pathogenic Fungi	396
<i>Truong H. Xuan and Evelyn B. Gergon</i>	
17. Integrated Management of Fungal Diseases of Soybean [<i>Glycine max</i> (L.) Merrill] Occurring in India	432
<i>S.K. Sharma, S.K. Srivastava and Moly Saxena</i>	
Index	473