1. Record Nr. UNINA9910373919703321

Titolo	Ganoderma and Health : Biology, Chemistry and Industry / / edited by Zhibin Lin, Baoxue Yang
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2019
ISBN	981-13-9867-4
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (VIII, 204 p. 36 illus., 14 illus. in color.)
Collana	Advances in Experimental Medicine and Biology, , 0065-2598 ; ; 1181
Disciplina	615
Soggetti	Pharmacology Molecular biology Cancer - Research Pharmacology/Toxicology Molecular Medicine Cancer Research Medicina tradicional Llibres electrònics Xina
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Ganoderma (Lingzhi) in Traditional Chinese Medicine and Chinese Culture -- Classification, Biological Characteristics and Cultivations of Ganoderma -- Chemical Components of Ganoderma -- Polysaccharide of Ganoderma and Its Bioactivities -- Quantitative Analysis of Components in Ganoderma -- Researches and Application of Ganoderma Spore Powder -- Development and Innovation of Ganoderma Industry and Products in China.
Sommario/riassunto	This book presents a state-of-the-art report on recent advances concerning Ganoderma and where the field is going. Although some older work is also cited, the main focus is on advances made over the past 20 years in the research history, classification, chemical components and industry of Ganoderma. Ganoderma lucidum (Lingzhi) has been used as a traditional medicine in Asian countries to maintain health and to treat diseases for more than two thousand years.

Recently, its value has been demonstrated in preventing and treating certain diseases, such as tumors, liver disorders, renal injury, hypercholesterolemia, obesity, cerebral ischemia reperfusion, bronchitis etc. In addition, laboratory and clinical studies have confirmed that the chemical components of Ganoderma, such as Ganoderma lucidum polysaccharide peptides and triterpenes isolated from the fruiting body of Ganoderma lucidum, produce diverse pharmacological effects. Ganoderma and its components play an important part in antioxidant stress, radical-scavenging, immunomodulation, and intracellular signaling regulation, and accordingly warrant further study. This book systematically reviews the latest advances in our understanding of Ganoderma’s basic knowledge, history of modern research, species, cultivation, components, spore polysaccharide and industry of Ganoderma, and offers researchers and graduate students valuable new insights into the development and clinical applications of Ganoderma and related products.