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Nota di contenuto	Immunomodulating Effect of Ganoderma (Lingzhi) and Possible Mechanism -- Antitumor Effect of GanodermaLingzhi Mediated by Immunological Mechanism and Its Clinical Application -- Cellular and Molecular Mechanism of Ganoderma (Lingzhi) against Tumor -- Protective Effect of Ganoderma on Radiation and Chemotherapy -- Neuropharmacological Effect and Clinical Applications of Ganoderma -- Preventive and Therapeutic Effect of Ganoderma on Brain Injury -- Protective Effect of Ganoderma Lucidum on Cardiovascular System -- Preventive and Therapeutic Effect of Ganoderma on Diabetes -- Preventive and Therapeutic Effect of Ganoderma on Liver Injury -- Preventive and Therapeutic Effect of Ganoderma Lucidum on Renal Diseases and Clinical Applications -- Anti-osteoporosis Effect of Ganoderma (Lingzhi) by Inhibition of Osteoclastogenesis -- Anti-oxidative and Free Radical Scavenging Activity of Ganoderma (Lingzhi) -- Anti-aging Effect of Ganoderma with Health and Fitness -- Preventive and Therapeutic Effect of Ganoderma on Skin Diseases and

Care. .

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 pharmacology and clinical applications 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 pharmacology and clinical applications of Ganoderma, and offers researchers and graduate students valuable new insights into the pharmacology and clinical applications of Ganoderma and related products.
