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2.	Record Nr.	UNINA9910350350703321
	Autore	Hoda Muddasarul
	Titolo	Role of Phenolic Phytochemicals in Diabetes Management : Phenolic Phytochemicals and Diabetes // by Muddasarul Hoda, Shanmugam Hemaiswarya, Mukesh Doble
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Diabetes: Its Implications, Diagnosis, Treatment & Management -- Phenolic Phytochemicals- Sources, biosynthesis, extraction and their isolation -- Food sources of Anti-Diabetic Phenolic Compounds -- Mechanisms of Action of Phenolic Phytochemicals in Diabetes Management -- Synergistic Behaviour of Phytophenolics with Anti-Diabetic Drugs -- Polyphenol Nanoformulations with Potential Antidiabetic Properties -- Pharmacokinetics and Pharmacodynamics of Polyphenols -- Trends in Research and Development of Phenolic Phytochemicals as Potential Anti-Diabetic Therapeutics -- Conclusions.
Sommario/riassunto	This book summarizes the latest research trends in phytophenolic therapy for the management of diabetes. It discusses the various mechanisms of action of phytophenolics present in food, fruits and plants that can be used to control/reverse diabetic conditions. Further, it addresses the synergistic interactions of phytophenolics with anti-diabetic drugs, as understanding them can yield valuable insights for complementary and alternative medicine. In closing, it discusses the important aspects of nanotechnology-based targeted delivery and improving the bioavailability of phenolic phytochemicals, two major areas of research in phytotherapy of diabetes.