

1. Record Nr.	UNINA9910483390603321
Titolo	Endocrine disrupting chemicals-induced metabolic disorders and treatment strategies // edited by Muhammad Sajid Hamid Akash, Kanwal Rehman, Muhammad Zaffar Hashmi
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-45923-3
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XXV, 520 p.) : 176 illus., 98 illus. in color
Collana	Emerging Contaminants and Associated Treatment Technologies, , 2524-6402
Disciplina	616.39
Soggetti	Endocrine disrupting chemicals Metabolism - Disorders Metabolism - Disorders - Treatment
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I: Introduction to endocrine system and metabolic disorders. - Chapter 1: Physiology of endocrine system and related metabolic disorders -- Chapter 2: Impaired carbohydrate metabolism in metabolic disorders -- Chapter 3: Mitochondrial dysfunction in metabolic disorders -- Chapter 4: Inherited metabolic disorders-a current status -- Chapter 5: Impaired lipid metabolism in metabolic disorders -- Chapter 6: Impaired thyroid function in metabolic disorders. - Part II: Role of endocrine disrupting chemicals in metabolic disorders -- Chapter 7: Endocrine-disrupting chemicals: Occurrence and exposure to the human being -- Chapter 8: Antibiotic resistance in EDCs-induced metabolic disorders -- Chapter 9: Alteration of gut microbiota in EDCs-induced metabolic disorders -- Chapter 10: Endocrine disrupting chemicals induced childhood obesity -- Chapter 11: Role of polychlorinated biphenyls as EDCs in metabolic disorders -- Chapter 12: Role of furans as EDCs in metabolic disorders -- Chapter 13: Role of heavy metals in metabolic disorders -- Chapter 14: Role of flame-retardants as EDCs in metabolic disorders -- Chapter 15: Role of phthalates as EDCs in metabolic disorders. - Chapter 16: Bisphenol A as an EDC in metabolic disorders -- Chapter 17: Role of pesticides as

EDCs in metabolic disorders -- Chapter 18: Role of perfluoroalkyl substances as EDCs in metabolic disorders -- Chapter 19: Role of polycyclic aromatic hydrocarbons as EDCs in metabolic disorders -- Chapter 20: Tobacco smoking as an EDC in metabolic disorders -- Chapter 21: Role of pharmaceuticals as EDCs in metabolic disorders -- Chapter 22: Parabens as endocrine disrupting chemicals and their association with metabolic disorders -- Chapter 23: Role of aflatoxins as EDCs in metabolic disorders -- Part III: Treatment strategies of EDCs-induced metabolic disorders: From prevention to intervention -- Chapter 24: Hormone harmony in metabolic disorders -- Chapter 25: Role of nanoparticles in the management of metabolic disorders -- Chapter 26: Intermittent fasting for treatment of metabolic disorders -- Chapter 27: rbs and spices as natural medicine for treatment of metabolic disorders -- Chapter 28: Bioactive compounds for the treatment of metabolic disorders.

---

### Sommario/riassunto

This volume offers a detailed and comprehensive analysis of Endocrine Disrupting Chemicals (EDCs), covering their occurrence, exposure to humans and the mechanisms that lead to the pathogenesis of EDCs-induced metabolic disorders. The book is divided into three parts. Part I describes the physiology of the human endocrine system, with special emphasis on various types of metabolic disorders along with risk factors that are responsible for the development of these disorders. Part II addresses all aspects of EDCs, including their role in the induction of various risk factors that are responsible for the development of metabolic disorders. Part III covers up-to-date environmental regulatory considerations and treatment strategies that have been adopted to cure and prevent EDCs-induced metabolic disorders. This section will primarily appeal to clinicians investigating the causes and treatment of metabolic disorders. The text will also be of interest to students and researchers in the fields of Environmental Pharmacology and Toxicology, Environmental Pollution, Pharmaceutical Biochemistry, Biotechnology, and Drug Metabolism/Pharmacokinetics.

---