

1. Record Nr.	UNINA9910688118803321
Titolo	Cyclodextrins : core concepts and new frontiers / / Rashid Ali, editor
Pubbl/distr/stampa	London : , : IntechOpen, , [2023]
Descrizione fisica	1 online resource (102 pages)
Disciplina	547.78
Soggetti	Cyclodextrins Cyclodextrins - Biotechnology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Introductory Chapter: Historical Background Fundamental Structural and Physiochemical Properties of Cyclodextrins (CDs) 2. Cyclodextrins: An Overview of Fundamentals, Types, and Applications 3. Cyclodextrin-Based Sensors for the Recognition of Small Molecules 4. Cyclodextrins as Supramolecular Hosts for Dye Molecules 5. Cyclodextrins as Bricks for Tuning Polymer Properties.
Sommario/riassunto	Cyclodextrins (CDs) have attracted great interest from the research community as well as industries in an array of sectors because of their unique structural features. This book provides a comprehensive overview of CDs, beginning with their historical background. Chapters address such topics as the structure and physiochemical properties of CDs, advancements in the field, and potential applications of these materials in fields such as drug delivery and sensing. This book reveals new frontiers in the CD world and is a useful resource for organic, analytical, and supramolecular chemists as well as scientists engaged in biological and material sciences.