

1. Record Nr.	UNINA9911018743403321
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Titolo	Beta-Glucan: Sources, Properties and Applications / / edited by Mudasir Bashir Mir, Shabir Ahmad Mir
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	3-031-95788-1
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (296 pages)
Collana	Biomedical and Life Sciences Series
Altri autori (Persone)	MirShabir Ahmad
Disciplina	641.3 664
Soggetti	Food science Food - Analysis Chemistry Food Science Food Engineering Food Chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction to beta glucans -- Sources of beta glucan -- Methods of extraction of beta glucan -- Chemistry of beta glucan -- Physicochemical properties of beta glucan -- Modification of beta glucan -- Beta glucan based bioactive delivery systems -- Beta glucan in nanotechnology -- Health benefits of beta glucan -- Stability of beta glucan during processing -- Legislation aspect of beta glucans -- Industrial applications of beta glucan.
Sommario/riassunto	Beta-glucans are the polysaccharides obtained from the cell wall of fungi, yeast, bacteria, and cereals with different physicochemical properties depending on the source. Beta-glucans are polymers with - 1,3 glucose as core linear structure and vary with respect to side branching, solubility, viscosity, gelation properties, and molecular weight. They are well known as cell response modifiers with immune-modulating, nutraceutical, and health beneficial effects, including anticancer and pro-apoptotic properties. This book is the first of its kind, focusing on the different sources and properties of beta-glucans. The unique features of this book will be the focus on the extraction

method of beta-glucans, chemistry, stability, modification, and health benefits of beta-glucans. This book is suitable for students, scientists, and professionals in food science, food processing, product development, nutrition, and other health sciences. This book will be typical in its form, and we hope that it will represent an example for future works in this and related areas. We aimed to summarize and review the outcomes and knowledge gained so far in the said area.

2. **Record Nr.** UNINA9910842090203321

Titolo Sleep Medicine

Pubbl/distr/stampa IntechOpen

Lingua di pubblicazione Inglese

Formato Materiale a stampa

Livello bibliografico Monografia
