

1. Record Nr.	UNINA9910311937903321
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Titolo	Methodology for Structural Analysis of Polysaccharides [[electronic resource] /] / by Qingbin Guo, Lianzhong Ai, Steve Cui
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-96370-8
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (85 pages)
Collana	Biobased Polymers, , 2510-3407
Disciplina	572.566
Soggetti	Materials science Polymers Biomaterials Energy storage Food—Biotechnology Characterization and Evaluation of Materials Polymer Sciences Energy Storage Food Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Methodologies for extraction, purification and fractionation -- Monosaccharide Composition: acid hydrolysis and chromatography -- Linkage Pattern: Methylation Analysis-GC MS -- Partial Hydrolysis: weak acid hydrolysis and enzymatic hydrolysis -- Mass Spectroscopy of Oligosaccharides (Maldi-TOF) -- 2D NMR spectroscopy and Polysaccharide Structure.
Sommario/riassunto	Written by an academic and industry insider, this book provides an informed study on polysaccharide structural analysis and characterization. Specifically focused on analytical techniques, methodologies, and interpretation of data, featured topics include: monosaccharide composition; methylation analysis; 1D & 2D NMR (Nuclear Magnetic Resonance) and MALDI-TOF- (MS) Mas spectrometry. This book is aimed at advanced undergraduates, academic and industrial researchers and professionals studying or using biobased

polymers.
