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**US\$  
69.00  
only**

eISBN: 978-1-60805-301-8

## Biology and Chemistry of Beta Glucan Beta-glucan, Structure, Chemistry and Specific Application

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### About the ebook

This volume presents modern chemical and separation methods which are applied in structural analysis of glucans. The book further discusses the biological effects of tailored oligomers and synthetic beta-glucans, including innovative use of enzymatic processes in the synthesis of these compounds. This volume also discusses a hypothesis of beta-glucans' increasing impact on the photodynamic therapy and aquaculture.

### Contents

- ▶ Structural Analysis of Fungal Glucans
- ▶ Insights into the Physicochemical Characterization, Chemistry, Structure and Synthesis of (1 → 3,1 → 6)- β-Glucans
- ▶ Chemical Synthesis of Oligo-(1 → 3)-β-D-Glucans
- ▶ Contribution of Biocatalysis to the Synthesis of β-(1,3)-Glucans
- ▶ Modulation of Photodynamic Therapy by β-Glucan
- ▶ Human Exposures to β-Glucan in the Environment

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