

Chitin enzymology

European Chitin Society - Chitinolytic enzymes: their contribution to basic and applied research



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Chitin synthase genes in *Manduca sexta*: characterization of a gut

These products have been on the market since the early 1990s, mainly in Asia and North America, but also in Europe, however to a lesser extent. Different chitin structures according to Bouligand. In this chapter, the following depolymerization methods are presented and discussed: 1 chitinase on chitin, 2 chitosanase on chitin, 3 chitosanase on chitosan, 4 hemicellulase on chitosan, 5 lysozyme on chitosan, 6 papain on chitosan, and 7 lipase on chitosan.

Book Series: Methods in Enzymology

Chitin metabolism in insects: structure function and regulation of chitin synthases and chitinases, J.

Chitin synthase genes in *Manduca sexta*: characterization of a gut

Implantable applications of chitin and chitosan, Biomaterials, 2003, 24, 2339—49.

Chitin solutions and purification of chitin

Tetsuo, Lignin-Carbohydrate Complexes from Various Sources. The temperature optimum was between 26 degrees and 29 degrees C and maximal activity was at pH 6.

Biomass, Part B: Lignin, Pectin, and Chitin, Volume 161

Natural rubber blends with biopolymers, in Natural Rubber Materials: Volume 1: Blends and IPNs, RSC, 2013, 1, 370—93.

Protein Affinity Purification using Intein/Chitin Binding Protein Tags

Production de chitine par les crustacés du zooplancton de la baie de Calvi Corse , IFREMER: Actes de colloques, 1988, 8, 33—8 in French.

Protein Affinity Purification using Intein/Chitin Binding Protein Tags

In: Muzzarelli R, Jeuniaux C, Gooday GW eds Chitin in nature and technology. We have reconstructed the chitin synthase phylogeny using the most taxonomically comprehensive dataset currently available and have shown the presence of independently formed paralogous groups in oomycetes, ciliates, fungi, and all diatoms except raphid pennates.

Selective regulation of the chitin

Nishida, Methanol Oxidase of *Phanerochaete chrysosporium*. Antioxidative activity of chitosan, chitooligosaccharides and their derivatives, in Chitin, chitosan, oligosaccharides and their derivatives, CRC Press, 2010, pp.

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