

Radiation Processed Polysaccharides: Emerging Roles in Agriculture



Radiation-Processed Polysaccharides: Emerging Roles in Agriculture by John Sallis

★★★★☆ 4.2 out of 5

Language : English

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Print length : 607 pages



Polysaccharides are a class of naturally occurring polymers that are composed of repeating units of monosaccharides. They are found in a wide variety of plants and animals, and they play important roles in a number of biological processes. Radiation processing is a technique that uses ionizing radiation to modify the structure and properties of materials. When applied to polysaccharides, radiation processing can produce a number of desirable changes, such as increased solubility, reduced viscosity, and improved functionality.

Radiation Processed Polysaccharides in Agriculture

Radiation processed polysaccharides have a number of potential applications in agriculture. These applications include:

- Crop improvement: Radiation processed polysaccharides can be used to improve the growth and yield of crops. For example, radiation processed chitosan has been shown to increase the germination rate and seedling vigor of rice plants.
- Plant protection: Radiation processed polysaccharides can be used to protect plants from pests and diseases. For example, radiation processed alginate has been shown to inhibit the growth of fungi and bacteria.
- Soil health: Radiation processed polysaccharides can be used to improve the health of soil. For example, radiation processed cellulose has been shown to increase the water-holding capacity of soil and reduce erosion.

Radiation processed polysaccharides have the potential to revolutionize agriculture. By improving the growth and yield of crops, protecting plants from pests and diseases, and improving the health of soil, radiation processed polysaccharides can help to feed a growing population and protect the environment.

Free Download Your Copy Today!

This book is a must-read for anyone interested in the latest advances in radiation processing and its applications in agriculture. Free Download your copy today and learn how radiation processed polysaccharides can help you improve your crops, protect your plants, and improve the health of your soil.

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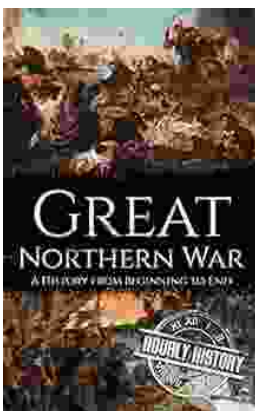


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