

Title: What is lignin in plants

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Lignin is a substance found in vascular plants that supports and strengthens their tissues and cells. It is composed of amino compounds and carbohydrates and varies in structure and function among ...

Lignin is one of Earth's most widespread organic polymers, an abundant component found within plant cell walls. This complex natural compound plays a multifaceted role in the plant kingdom, ...

The chemical composition of the pinewood sawdust sample (i.e., the contents of cellulose, hemicellulose and lignin) was measured using the two-stage sulfuric acid hydrolysis followed by ...

The lignin adds compressive strength and stiffness to the plant cell wall and is believed to have played a role in the evolution of terrestrial plants by helping them withstand the compressive ...

Lignin is an alkyl-aromatic polymer found in the cell walls of terrestrial plants. Lignin provides structure and rigidity to plants, is a natural, ...

In the present review, we systematically introduce the biosynthesis of lignin and its regulation by genetic modification and summarize the main biological functions of lignin in plants and ...

Lignin is a complex aromatic biopolymer important for providing mechanical strength to the cell wall and resistance against both biotic and abiotic stresses. It helps in plant growth by ...

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