

LIGNIFICATION

Meaning: Lignification is the biological process by which plant cells develop lignin, a complex organic polymer that strengthens and waterproofs the cell walls, particularly in woody plants.

1. Lignification is a critical process in the development of woody plants.
2. The study of lignification can provide insights into plant resilience and adaptation.
3. During lignification, cellulose is converted into lignin, making the plant structure more robust.
4. Researchers are exploring ways to enhance lignification in crops to improve their durability.
5. Understanding lignification can help in the production of more sustainable building materials from trees.

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