

CUTINIZATION

Meaning: Cutinization is the process by which cutin, a waxy substance, is deposited on plant surfaces to enhance resistance to environmental stress and reduce water loss.

1. Cutinization is a critical process in plant development that enhances the plant's resistance to environmental stress.
2. The cutinization of leaf surfaces plays a significant role in reducing water loss through evaporation.
3. Research into cutinization can provide insights into how plants adapt to arid conditions.
4. During cutinization, fatty acids are polymerized to form a protective layer on the epidermis of plant tissues.
5. Understanding cutinization may lead to advancements in agricultural practices by improving crop resilience.

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