

PYRENOID

Meaning: Pyrenoid: a specialized structure within certain algae that facilitates carbon fixation and enhances photosynthetic efficiency.

1. The pyrenoid is a specialized structure found in certain algae that plays a crucial role in carbon fixation.
2. Research on the pyrenoid has revealed its importance in enhancing photosynthetic efficiency in aquatic plants.
3. In many green algae, the pyrenoid serves as a site for the accumulation of starch granules.
4. Scientists are studying the pyrenoid to understand its potential applications in bioengineering for improved crop yields.
5. The presence of a pyrenoid can significantly affect the metabolic processes of the organisms that possess it.

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