Ganoderma lucidum planted under photovoltaic panels

An IoT system controlled and monitored the hybrid-powered oven used for drying Ganoderma lucidum mushrooms, measuring levels of bacteria, fungus, and yeast at various ...

This study provided not only the scientific basis for the wild planting of purple Ganoderma fungi but also a theoretical support for the sustainable development of the Ganoderma lucidum industry.

To explore the impacts of continuous Ganoderma lucidum cultivation on soil physicochemical factors, soil enzyme activity, and the metabolome of Ganoderma lucidum fruiting bodies, this study ...

This review explores various cultivation methods of Ganoderma lucidum, highlights the significance of its bioactive compounds.

The alteration of microclimate parameters such as solar radiation, air temperature, humidity and soil temperature under the PV panels was highlighted.

After many times of scientific cultivation, not only large-scale planting in the solar greenhouse, but also bionic cultivation under forests has been realized, with high yield and high quality.

This study provides an effective light supply strategy for regulating the light environment in the industrial production of Ganoderma lucidum. Light supply modes in each treatment.

The optimal light supply mode suitable for the growth of Ganoderma lucidum was explored by analyzing the characteristics, nutritional quality, and extracellular enzyme activity in ...

Method: G. lucidum was planted under different light qualities. The growth of G. lucidum was observed and polysaccharides content was determined in different growth periods.

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