

Effects of the Lunar Cycle on Plants' Biodynamics and Active Components

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Abstract:

This review paper explores the intricate relationship between lunar cycles and plant biodynamics, investigating the effects of lunar phases on various aspects of plant growth. Delving into the influence on root development, leaf expansion, and flowering patterns, the paper highlights specific plants exhibiting distinctive responses. A significant focus is placed on the correlation between lunar cycles and the synthesis of secondary metabolites, particularly in medicinal plants.

The paper examines hypothesized mechanisms including gravitational forces and hormonal activity, providing insights into the underlying processes. Practical implications for optimizing agricultural practices, enhancing environmental resilience, and benefiting medicinal plant production based on lunar influences are discussed.

While recognizing current knowledge gaps, the paper underscores the importance of ongoing research in this captivating intersection of lunar cycles and plant biology. It concludes by summarizing key findings, emphasizing the need for further exploration, and offering a comprehensive overview of the current state of understanding in this field.

Keywords:

Lunar cycles, plant biodynamics, active components, agricultural practices, medicinal plants.