

The Physiological Ecology Of Plant Succession

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~~Plant Physiological Ecology | Hans Lambers | Springer~~

I discuss the nature of successional environments, seed germination, seedling and mature plant development, plant growth, photosynthesis, water use, and the physiological ecology of competition and interference. THE NATURE OF SUCCESSIONAL ENVIRONMENTS The environment of a plant may vary daily, seasonally, vertically, and horizontally.

~~The Physiological Ecology of Plant Succession F. A. Bazzaz ...~~

Physiological Ecology Head of Group: Professor Howard Griffiths We investigate plant molecular, physiological and environmental processes which regulate productivity and CO2 sequestration, and aim to improve the operating efficiency of the primary carboxylase, Rubisco, and match water availability to use.

~~Physiological Ecology — Department of Plant Sciences~~

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Physiological ecology (plant) The branch of plant science that seeks physiological (mechanistic) explanations for ecological observations.

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The name "physiological ecology" clearly indicates that this discipline is a hybrid of physiology and ecology. But is physiological ecology simply another dimension of physiology or ecology alone, or is physiological ecology unique in some fundamental way from its parent

~~What Is Physiological Ecology?~~

Lambers et al. stated that the phosphate element also acts as an important component making up energy transfer compounds (ATP and Nucleoprotein) for metabolic processes in plants, especially in the...

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Plant physiology is a subdiscipline of botany concerned with the functioning, or physiology, of plants. Closely related fields include plant morphology, plant ecology, phytochemistry, cell biology, genetics, biophysics and molecular biology. Fundamental processes such as photosynthesis, respiration, plant nutrition, plant hormone functions, tropisms, nastic movements, photoperiodism, photomorphogenesis, circadian rhythms, environmental stress physiology, seed germination, dormancy and stomata fu

~~Plant physiology — Wikipedia~~

Physiological Ecology of Tropical Succession: A Comparative Review F. A. Bazzaz and S. T. A. Pickett Annual Review of Ecology and Systematics Shade Tolerance, a Key Plant Feature of Complex Nature and Consequences Fernando Valladares and Ülo Niinemets Annual Review of Ecology, Evolution, and Systematics The Ecology of Secondary Succession ...

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A certain degree of plasticity in physiological traits is ubiquitous among plants (Larcher, 1994). Apart from genetic differences among individuals, much of the observed intraspecific variation is due to modifications during ontogeny.

~~Small plants, large plants: the importance of plant size ...~~

Plant ecophysiology is concerned largely with two topics: mechanisms (how plants sense and respond to environmental change) and scaling or integration (how the responses to highly variable conditions—for example, gradients from full sunlight to 95% shade within tree canopies—are coordinated with one another), and how their collective effect on plant growth and gas exchange can be understood on this basis.

~~Ecophysiology — Wikipedia~~

Produced in 1978 by the Institute of Biology as part of its Studies in Biology series, this booklet looks at the concept of plant physiological ecology. That is, the interpretation of plant behaviour and distribution in terms of physiological responses to the environment. Subject to competition, pests, pathogens and environmental stresses, these responses are often very different from those of ...

~~Plant Physiological Ecology | STEM~~

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