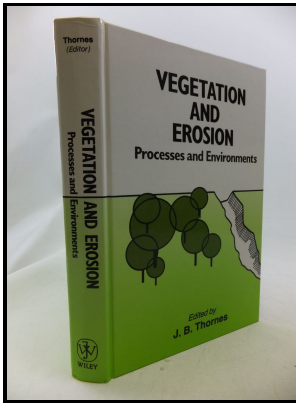


# Vegetation and the atmosphere - edited by J.L. Monteith.

Academic Press - Exchange of carbon dioxide between vegetation and the atmosphere, Plant Cell & Environment



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Changes in global vegetation distribution between 2100 and 2000. For instance, suppose that a certain land surface scheme that is used to calculate the energy balance of a sparsely vegetated surface under conditions of strong radiation then describes an erroneously small transport of water within the soil.

## Principles of Environmental Physics

Radiative Transfer in Plant Communities.

## Solar Radiation and Productivity in Tropical Ecosystems on JSTOR

Review of some basic characteristics of the atmospheric surface layer. Annual Review of Fluid Mechanics, 24: 205-233. Gerten D, Schapoff S, Haberlandt U, Lucht W, Sitch S: Terrestrial vegetation and water balance: Hydrological evaluation of a dynamic global vegetation model.

## A simplified one

In the last two decades their parameterization has been considered by many authors ; ; ; , among others. Trends in Ecology and Evolution 2006, 21: 400—407.

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Soil Sci Soc Am J, 67 1 : 166-180.

## Solar Radiation and Productivity in Tropical Ecosystems on JSTOR

McMurtrie 2005 , On the validation of models of forest CO<sub>2</sub> exchange using eddy covariance data: some perils and pitfalls, Tree Physiol. TE and UH contributed data handling and analysis, WC analysis, writing and supervision.

### **Agroclimatology**

Note that we do not consider transient responses.

### **Terrestrial vegetation redistribution and carbon balance under climate change**

For the sunlit leaves the amount of absorbed radiation, and therefore  $A_n$  and  $g_s$ , depends on the leaf angle. These may co-exist at any location, depending on plant competition for resources and space, and a set of environmental constraints.

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