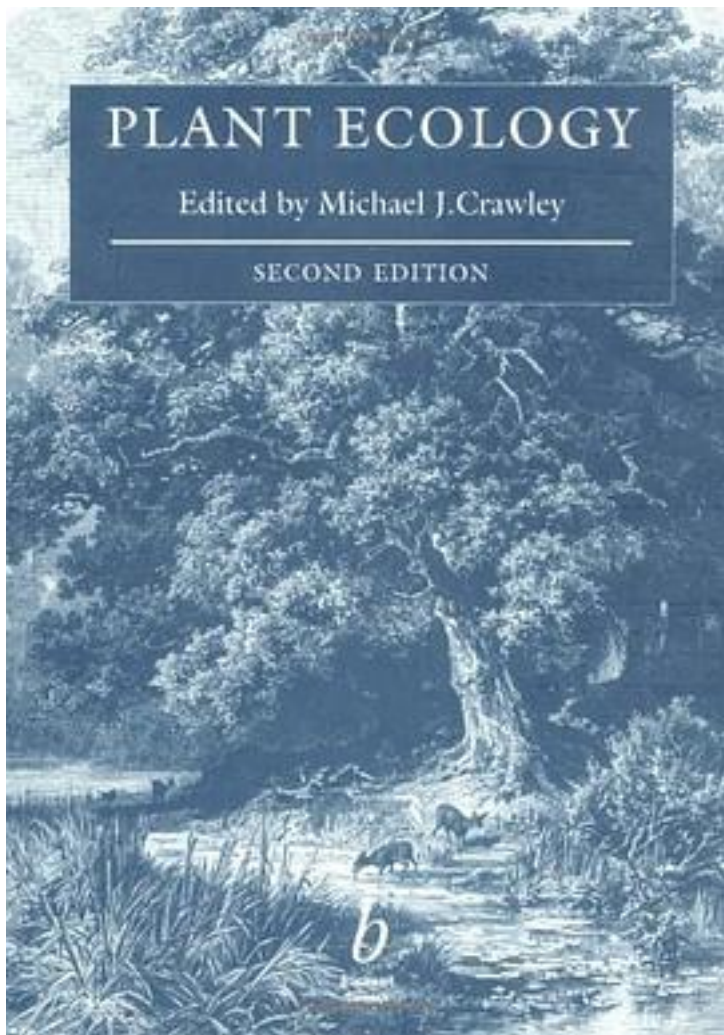


Plant Ecology



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This textbook covers Plant Ecology from the molecular to the global level. It covers the

following areas in unprecedented breadth and depth: - Molecular ecophysiology (stress physiology: light, temperature, oxygen deficiency, drought, salt, heavy metals, xenobiotica and biotic stress factors)- Autecology (whole plant ecology: thermal balance, water, nutrient, carbon relations)- Ecosystem ecology (plants as part of ecosystems, element cycles, biodiversity)- Synecology (development of vegetation in time and space, interactions between vegetation and the abiotic and biotic environment)- Global aspects of plant ecology (global change, global biogeochemical cycles, land use, international conventions, socio-economic interactions) The book is carefully structured and well written: complex issues are elegantly presented and easily understandable. It contains more than 500 photographs and drawings, mostly in colour, illustrating the fascinating subject. The book is primarily aimed at graduate students of biology but will also be of interest to post-graduate students and researchers in botany, geosciences and landscape ecology. Further, it provides a sound basis for those dealing with agriculture, forestry, land use, and landscape management.

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