



Community Ecology

By Peter J. Morin

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Language: English . Brand New Book. All life on earth occurs in natural assemblages called communities. Community ecology is the study of patterns and processes involving these collections of two or more species. Communities are typically studied using a diversity of techniques, including observations of natural history, statistical descriptions of natural patterns, laboratory and field experiments, and mathematical modelling. Community patterns arise from a complex assortment of processes including competition, predation, mutualism, indirect effects, habitat selection, which result in the most complex biological entities on earth including iconic systems such as rain forests and coral reefs. This book introduces the reader to a balanced coverage of concepts and theories central to community ecology, using examples drawn from terrestrial, freshwater, and marine systems, and focusing on animal, plant, and microbial species. The historical development of key concepts is described using descriptions of classic studies, while examples of exciting new developments in recent studies are used to point toward future advances in our understanding of community organization. Throughout, there is an emphasis on the crucial interplay between observations, experiments, and mathematical models. This...



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