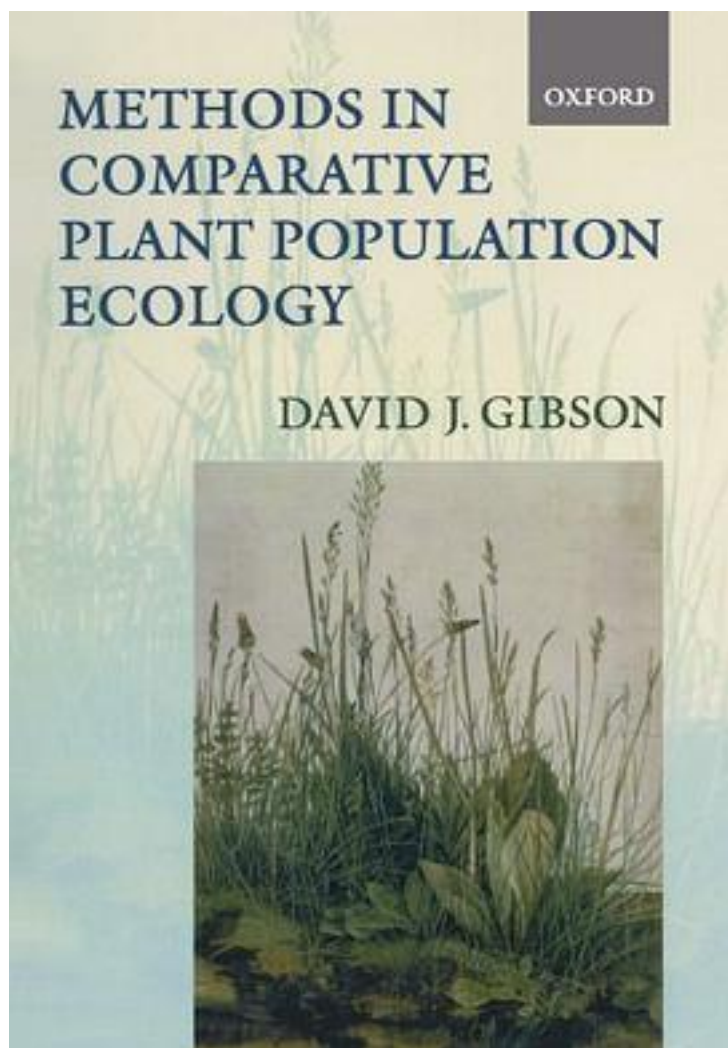


Methods in Comparative Plant Population Ecology



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This new book is intended to assist senior undergraduates and post-graduate students design their own experiments and establish a research program in plant population ecology. Practical advice is provided on how to set up a research program, how to ask pertinent questions and use science process skills in conducting research. Individual chapters cover facets of experimental design, statistics, experimental variables and treatments, measurements of plants and their environment, spatial pattern analysis, life tables, and modelling. Numerous citations to the current research literature are provided, and four case studies are referred to throughout the book to illustrate the use of methodology. The book provides guidance for researchers so that they can critically evaluate the problem they are addressing, and determine the most suitable approach. The book will be of value to teachers who are developing field and laboratory modules in population ecology. * A user-friendly primer on the methodology of plant population ecology research. * Describes what sort of experiments to use, how to design them, and how to interpret, analyse, and report the results. * Designed for enquiry-based courses where students are asked to design and conduct their own experiments.

作者介绍:

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标签

评论

虽然不能说是必读书目之一，但作为学习和研究植物（种群）生态学的入门书目，还是强烈推荐，特别是刚从事这方面研究的同行。虽然近年来植物（种群）生态学发展迅速，但本书包含的基本方法和思想仍然发挥着重要作用。关于本书的书评请见：1) M. Rejmánek, published in the Association of Southeastern Biologists Bulletin, 2003. 2) G. Cheplick, published in Journal of Biogeography, 2003. 3) J. Kollmann, published in Basic and Applied Ecology, 2003. 4) P. Moore, published in Bulletin of the British Ecological Society, August, 2004. 作者链接：
<http://www.plantbiology.siu.edu/faculty/gibson/pubs.htm>

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