Record Nr. UNINA9910830223703321 Advanced ecological theory [[electronic resource]]: principles and **Titolo** applications / / edited by Jacqueline McGlade Pubbl/distr/stampa Oxford;; Malden, MA,: Blackwell Science, 1999 **ISBN** 9786612117688 1-282-11768-8 1-4443-1151-4 1-4443-1150-6 0-632-06329-7 Descrizione fisica 1 online resource (373 p.) Altri autori (Persone) McGladeJ. M <1955-> (Jacqueline Myriam) Disciplina 577 Soggetti **Ecology** Ecology - Philosophy Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Advanced Ecological Theory; Contents; Contributors; Foreword; Preface; Acknowledgements; 1: Individual-based models in ecology; 2: Stochastic effects in population models; 3: Spatial models of interacting populations; 4: Correlation equations and pair approximations for spatial ecologies; 5: Theoretical aspects of community assembly; 6: The dynamics of the flows of matter and energy; 7: Population and evolutionary dynamics of consumer-resource systems; 8: Understanding the ecological and evolutionary reasons for life history variation: mammals as a case study; 9: Species diversity 10: Ecological economics11: Ecosystem analysis and the governance of natural resources: Index Advanced Ecological Theory is intended for both postgraduate students Sommario/riassunto and professional researchers in ecology. It provides an overview of current advances in the field as well as closely related areas in evolution, ecological economics, and natural-resource management, familiarizing the reader with the mathematical, computational and statistical approaches used in these different areas. The book has an exciting set of diverse contributions written by leading authorities.