1. Record Nr. UNISALENTO991004335530707536

Autore	Dumas, Mathieu
Titolo	Cenno su gli avvenimenti militari, ovvero saggi storici sulle campagne dal 1799 al 1814 / del conte M. Dumas
Pubbl/distr/stampa	Napoli : Tipografia all'insegna del Gravina, 1834-
Descrizione fisica	volumi ; 23 cm
Disciplina	940.2745
Soggetti	Guerre napoleoniche
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	La tipografia varia
Nota di contenuto	Tomo 12: Campagna del 1805. - 2. edizione. - 1837. - 228 p.

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Titolo	Dispersal, Individual Movement and Spatial Ecology : A Mathematical Perspective / / edited by Mark A. Lewis, Philip K. Maini, Sergei V. Petrovskii
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2013
ISBN	9783642354977 3642354971
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (XIV, 385 p. 96 illus., 49 illus. in color.)
Collana	Mathematical Biosciences Subseries, , 2524-6771 ; ; 2071
Disciplina	577.0151
Soggetti	Biomathematics Applied mathematics Engineering mathematics Ecology System theory Mathematical models Mathematical and Computational Biology Applications of Mathematics Theoretical Ecology/Statistics Complex Systems

	Mathematical Modeling and Industrial Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Part I: Individual Animal Movement -- 1. Stochas-tic optimal foraging theory -- 2. Levy or not? Analysing positional data from animal movement paths -- 3. Beyond optimal searching: Recent developments in the modelling of animal movement patterns as Levy walks -- Part II: From Individuals to Populations -- 4. The mathematical analysis of biological aggregation and dispersal: progress, problems and perspectives -- 5. Hybrid modelling of individual movement and collective behaviour -- 6. From individual movement rules to population level patterns: the case of central-place foragers -- 7. Transport and anisotropic diffusion models for movement in oriented habitats -- 8. Incorporating complex foraging of zooplankton in models: role of micro- and mesoscale processes in macroscale patterns -- Part III: Populations, Communities and Ecosystems -- 9. Life on the move: modeling the effects of climate-driven range shifts with integrodifference equations -- 10. Control of competitive bioinvasion -- 11. Destruction and diversity: effects of habitat loss on ecological communities -- 12. Emergence and propagation of patterns in nonlocal reaction-diffusion equations arising in the theory of speciation -- 13. Numerical study of pest population size at various diffusion rates.
Sommario/riassunto	Dispersal of plants and animals is one of the most fascinating subjects in ecology. It has long been recognized as an important factor affecting ecosystem dynamics. Dispersal is apparently a phenomenon of biological origin; however, because of its complexity, it cannot be studied comprehensively by biological methods alone. Deeper insights into dispersal properties and implications require interdisciplinary approaches involving biologists, ecologists and mathematicians. The purpose of this book is to provide a forum for researches with different backgrounds and expertise and to ensure further advances in the study of dispersal and spatial ecology. This book is unique in its attempt to give an overview of dispersal studies across different spatial scales, such as the scale of individual movement, the population scale and the scale of communities and ecosystems. It is written by top-level experts in the field of dispersal modeling and covers a wide range of problems ranging from the identification of Levy walks in animal movement to the implications of dispersal on an evolutionary timescale.