

1. Record Nr.	UNIORUON00063447
Autore	SUD, K. N.
Titolo	Eternal flame : aspect of Ghalib's life and works / K. N. Sud
Pubbl/distr/stampa	Delhi, : Sterling Publishers, 1969
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Classificazione	SI VI DA
Lingua di pubblicazione	Inglese
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2. Record Nr.	UNINA9910416110703321
Autore	Green David G.
Titolo	Complexity in Landscape Ecology // by David G. Green, Nicholas I. Klomp, Glyn Rimmington, Suzanne Sadedin
Pubbl/distr/stampa	Cham, : Springer International Publishing, : Imprint : Springer, , 2020
ISBN	3-030-46773-2
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Descrizione fisica	1 online resource (XI, 256 p. 91 illus., 90 illus. in color.)
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Soggetti	Landscape ecology Ecology System theory Biodiversity Environmental monitoring Landscape Ecology Complex Systems Monitoring/Environmental Analysis Ecologia del paisatge Llibres electrònics
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## Nota di contenuto

1. Towards a new paradigm -- 2. Complexity in ecology -- 3. Complexity in landscapes -- 4. Lessons from complexity theory -- 5. Individuals in landscapes -- 6. Populations and interactions -- 7. Communities -- 8. Genetics and adaptation in landscapes -- 9. Virtual worlds -- 10. Ecological informatics -- 11. The Global Picture.

## Sommario/riassunto

This book examines key concepts and analytical approaches in complexity theory as it applies to landscape ecology, including complex networks, connectivity, criticality, feedback, and self-organisation. It then reviews the ways that these ideas have led to new insights into the nature of ecosystems and the role of processes in landscapes. The updated edition explores innovations in ecotechnology, including automated monitoring, big data, simulation and machine learning, and shows how they are revolutionizing ecology by making it possible to deal more effectively with complexity. Addressing the topic in a progression of ideas from small to large, and from simple to sophisticated, the book examines the implications of complexity for major environmental issues of our time, particularly the urgencies of climate change and loss of biodiversity. Understanding ecological complexity is crucial in today's globalized and interconnected world. Successful management of the world's ecosystems must combine models of ecosystem complexity with biodiversity, environmental, geographic, and socioeconomic data. The book examines the impact of humans on landscapes and ecosystems, as well as efforts to embed sustainability, commerce and industrial development in the larger context of ecosystem services and ecological economics. Well-established as researchers in the field, the authors provide a new perspective on current and future understanding of complexity in landscape ecology. The new edition offers a non-technical account of the topic, so it is both accessible and informative for general readers. For students of ecology, it provides a fresh approach to classical ideas.