

Second Edition

Ecology of DESERT SYSTEMS

An updated guide to desertification and techniques for its monitoring and quantification, examined within the framework of desert ecosystem patterns and processes

Nearly one-third of the land area on our planet is classified as arid or desert. Therefore, an understanding of the dynamics of such arid ecosystems is essential to managing those systems in a way that sustains human populations. This second edition of *Ecology of Desert Systems* provides a clear, extensive guide to the complex interactions involved in these areas.

This book details the relationships between abiotic and biotic environments of desert ecosystems, demonstrating to readers how these interactions drive ecological processes. These include plant growth and animal reproductive success, the spatial and temporal distribution of vegetation and animals, and the influence of invasive species and anthropogenic climate change specific to arid systems. Drawing on the extensive experience of its expert authors, *Ecology of Desert Systems* is an essential guide to arid ecosystems for students looking for an overview of the field, researchers keen to learn how their work fits in to the overall picture, and those involved with environmental management of desert areas.

Key Features

- Highlights the complexity of global desert systems in a clear, concise way
- Reviews the most current issues facing researchers in the field, including the spread of invasive species due to globalized trade, the impact of industrial mining, and climate change
- Updated and extended to include information on invasive species management, industrial mining impacts, and the current and future role of climate change in desert systems

About the Authors

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