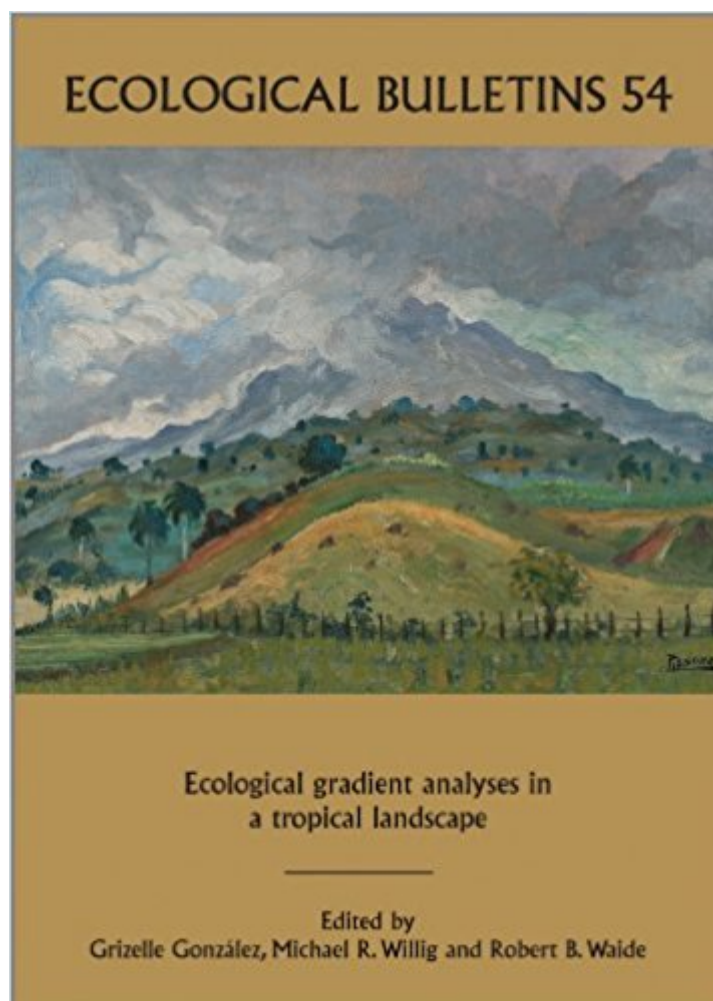


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Ecological Gradient Analyses In A Tropical Landscape



Synopsis

This volume contains a comprehensive analysis of ecological gradients in the Luquillo Mountains of Puerto Rico. This tropical island setting comprises six ecological life zones and is ideal for studying environmental gradients given dramatic differences in temperature and precipitation that are associated with a rise in elevation from sea level to more than 1000 m over a distance of 10-15 km. Chapters in this volume cover climatic (e.g., precipitation and energy), abiotic (e.g., nutrients, carbon stores soil characteristics and biogeochemistry), and biotic (e.g., microbes, plants, and animal biodiversity) patterns and responses to gradients. These original and synthetic research findings should be of considerable interest to all concerned with understanding the importance of environmental gradients in molding the structure and functioning of ecological systems and to those dedicated to managing or conserving complex tropical ecosystems in light of global change.

Book Information

Hardcover: 252 pages

Publisher: Wiley-Blackwell; 1 edition (March 31, 2014)

Language: English

ISBN-10: 1118659325

ISBN-13: 978-1118659328

Product Dimensions: 7.7 x 0.8 x 10.8 inches

Shipping Weight: 2.1 pounds (View shipping rates and policies)

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