

The Structure and Dynamics of Geographic Ranges

Kevin J. Gaston



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The Structure and Dynamics of Geographic Ranges Kevin J. Gaston, 2003 A synthesis of present understanding of the structure of the geographic ranges of species which is a core issue in ecology and biogeography with implications for many of the environmental issues presently facing humankind The Macroecological Perspective José Alexandre Felizola Diniz-Filho, 2023-11-27 This comprehensive volume discusses the patterns and processes analyzed in macroecology with a distinct look at the theoretical and methodological issues underlying the discipline as well as deeper epistemological matters The book serves as a synthesis of macroecological literature that has been published since Brown and Maurer proposed and defined the term macroecology in 1989 Author Jos Alexandre Felizola Diniz Filho draws from the different disciplines and branches ecology evolutionary biology physiology behavioral sciences climatology and paleontology that make up macroecology to present a full holistic picture of where the discipline stands Through ten chapters Diniz Filho moves from a discussion of what macroecology actually is to macroecological modeling to the more applied side of the discipline covering topics such as richness and diversity patterns and patterns in body size The book concludes with a synthesis of how macroecological research is done in a theoretical and operational sense as well as unifying explanations for each of the macroecological patterns discussed moving on to evaluate which theories and models are still useful and which ones can be abandoned The book is intended for academics young researchers and students interested in macroecology and conservation biogeography In addition because of the integrative nature of macroecology and the theoretical and methodological background in the book it can be of interest to researchers working in related fields including but not limited to ecology and evolutionary biology The Structure and Dynamics of Geographic Ranges Kevin J. Gaston, 2023 No species occurs everywhere Indeed the majority are absent from most places and where they do occur they are usually quite rare This text discusses the structure of these distributions especially the factors that determine geographic range and related information

The American Naturalist, 2009 **Untangling Ecological Complexity** Brian A. Maurer, 1999-02 Acknowledgments Ch 1 Of Entangled Banks and Humble Bees Ch 2 From Micro to Macro and Back Again Ch 3 Communities on Small Spatial and Temporal Scales Ch 4 Communities as Linear Systems Ch 5 Communities as Nonlinear Systems Ch 6 Macroecology Expanding the Spatial Scale of Community Ecology Ch 7 Geographic Range Structure Niches Written in Space Ch 8 Geographic Assembly of Local Communities Ch 9 The Evolution of Species Diversity at the Macroscale Ch 10 The Macroscopic Perspective and the Future of Ecology Literature Cited Index Copyright Libri GmbH All rights reserved

Proceedings, 2009 Forest Ecosystems and Environments Takashi Kohyama, Josep Canadell, Dennis S. Ojima, Louis F. Pitelka, 2006-04-19 Coastal East and Southeast Asia are characterized by wet growing seasons and species rich forest ecosystems develop throughout the latitudinal and altitudinal gradients In this region the Global Change Impacts on Terrestrial Ecosystems in Monsoon Asia TEMA project was carried out as a unique contribution to the international project

Global Change and Terrestrial Ecosystems TEMA aimed to integrate forest ecosystem processes from leaf physiology to meteorological budget and prediction of long term change of vegetation composition and architecture through demographic processes Special attention was given to watershed processes where forest ecosystem metabolism affects the properties and biogeochemical budgets of freshwater ecosystems and where rivers wetlands and lakes are subject to direct and indirect effects of environmental change This volume presents the scaling up concept for better understanding of ecosystem functioning *The Zoological Record* ,2003 **The Bulletin** ,2004 *Science* John Michels (Journalist),2008

Landscape Structure and the Biological Diversity of the North American Avifauna Jennifer Jeanne Skillen,2005 **Elgar Encyclopedia of Ecological Economics** Emilio Padilla Rosa,Jesús Ramos-Martín,2023-09-06 With diverse contributions from over 100 authors around the globe this comprehensive Encyclopedia summarises the developments of ecological economics from the fundamental contributions to the more recent methodological debates in the field It provides an expansive list of topics including sustainable development the limits to growth agroecology implications of thermodynamic laws for economics integrated ecologic economic modelling valuation of natural resources and services and renewable and non renewable resources management This title contains one or more Open Access chapters **Biologiske skrifter** Kongelige Danske videnskabernes selskab,2005 Wildlife Research ,2011 *Is There a Gradient of Density from Center to Edge of Primates' Geographic Ranges?* Heather Lynne Fuller,2007 Dynamics of the Bering Sea Thomas R. Loughlin,1999 Dynamics of the Bering Sea is a valuable resource for scientists students and managers working in the Bering Sea and similar ecosystems worldwide The international scientific organization PICES has successfully brought together the findings of scientists of many disciplines and countries to provide a perspective on physical chemical and biological research on the Bering Sea one of the world s most productive ecosystems **The Soviet Journal of Ecology** ,1988 Ecological Risk Assessment for the Effects of Fishing ,2012 *Spatial Structure and Invasion Success of Populations Undergoing Range Expansion* Geneviève Marie Nesslage,2005 Conservation of Dragonflies Michael J. Samways,2024-06-11 Dragonflies are among the most familiar and popular of all insects deeply embedded in human cultural history They are iconic and tell us much about the environments in which we and they live Their conservation is an important part of biodiversity conservation One modern dragonfly species is listed as extinct with many others currently threatened It is now essential to increase conservation efforts towards saving these threatened species with strategies now available for doing this Recovery of dragonfly populations goes hand in hand with improvements to both freshwater conditions and bank vegetation quality In contrast some other dragonfly species have benefitted greatly from human transformation of the landscape with artificial ponds in particular increasing the population levels of many species In turn climate change is seeing many geographical range shifts Conservation of Dragonflies Sentinels for Freshwater Conservation is for naturalists citizen scientists entomologists and conservation scientists as well as practitioners and policy makers around the world

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