



Species Richness: Patterns in the Diversity of Life (Springer Praxis Books)

By Jonathan Adams

Download now

Read Online 

Species Richness: Patterns in the Diversity of Life (Springer Praxis Books)

By Jonathan Adams

This is a readable, informative and up-to-date account of the patterns and controls on biodiversity. The author describes major trends in species richness, along with uncertainties in current knowledge. The various possible explanations for past and present species patterns are discussed and explained in an even-handed and accessible way. The implications of global climate change and habitat loss are considered, along with current strategies for preserving what we have.

This book examines the state of current understanding of species richness patterns and their explanations. As well as the present day world, it deals with diversification and extinction, in the conservation of species richness, and the difficulties of assessing how many species remain to be discovered. The scientifically compelling subject of vegetation-climate interaction is considered in depth.

Written in an accessible style, the author offers an up-to-date, rigorous and yet eminently comprehensible overview of the ecology and biogeography of species richness. He departs from the often heavy approach of earlier texts, without sacrificing rigor and depth of information and analysis.

Prefacing with the aims of the book, Chapter 1 opens with an explanation of latitudinal gradients, including a description of major features of the striking gradients in species richness, exceptions to the rule, explanations, major theories and field and experimental tests. The following chapter plumbs the depth of time, including the nature of the fossil record, broad timescale diversity patterns, ecosystem changes during mass extinctions and glaciations and their influence on species richness. Chapters 3 and 4 consider hotspots and local scale patterns in species richness while Chapter 5 looks at the limitations and uncertainties on current estimates of richness, the last frontiers of species diversity and the process of identifying new life forms. The last three chapters cover humans and extinctions in history and prehistory, current habitat and global change, including the greenhouse effect, and the race to preserve what we still have, including parks, gene banks and laws.

 [Download Species Richness: Patterns in the Diversity of Lif ...pdf](#)

 [Read Online Species Richness: Patterns in the Diversity of L ...pdf](#)

Species Richness: Patterns in the Diversity of Life (Springer Praxis Books)

By Jonathan Adams

Species Richness: Patterns in the Diversity of Life (Springer Praxis Books) By Jonathan Adams

This is a readable, informative and up-to-date account of the patterns and controls on biodiversity. The author describes major trends in species richness, along with uncertainties in current knowledge. The various possible explanations for past and present species patterns are discussed and explained in an even-handed and accessible way. The implications of global climate change and habitat loss are considered, along with current strategies for preserving what we have.

This book examines the state of current understanding of species richness patterns and their explanations. As well as the present day world, it deals with diversification and extinction, in the conservation of species richness, and the difficulties of assessing how many species remain to be discovered. The scientifically compelling subject of vegetation-climate interaction is considered in depth.

Written in an accessible style, the author offers an up-to-date, rigorous and yet eminently comprehensible overview of the ecology and biogeography of species richness. He departs from the often heavy approach of earlier texts, without sacrificing rigor and depth of information and analysis.

Prefacing with the aims of the book, Chapter 1 opens with an explanation of latitudinal gradients, including a description of major features of the striking gradients in species richness, exceptions to the rule, explanations, major theories and field and experimental tests. The following chapter plumbs the depth of time, including the nature of the fossil record, broad timescale diversity patterns, ecosystem changes during mass extinctions and glaciations and their influence on species richness. Chapters 3 and 4 consider hotspots and local scale patterns in species richness while Chapter 5 looks at the limitations and uncertainties on current estimates of richness, the last frontiers of species diversity and the process of identifying new life forms. The last three chapters cover humans and extinctions in history and prehistory, current habitat and global change, including the greenhouse effect, and the race to preserve what we still have, including parks, gene banks and laws.

Species Richness: Patterns in the Diversity of Life (Springer Praxis Books) By Jonathan Adams
Bibliography

- Sales Rank: #5195854 in Books
- Brand: Brand: Springer
- Published on: 2009-06-12
- Original language: English
- Number of items: 1
- Dimensions: 9.70" h x 1.00" w x 6.80" l, 1.10 pounds
- Binding: Hardcover
- 386 pages

 [Download Species Richness: Patterns in the Diversity of Lif ...pdf](#)

 [Read Online Species Richness: Patterns in the Diversity of L ...pdf](#)

Download and Read Free Online Species Richness: Patterns in the Diversity of Life (Springer Praxis Books) By Jonathan Adams

Editorial Review

Review

From the reviews:

“This book is about patterns in species numbers across space and time. ... reading this book can also be a joy, simply because of its simplicity. ... The references ... are mostly well chosen. ... Overall, ‘Species Richness’ can be recommended to readers that are non-ecologists or otherwise new to the subject.” (Christoph Scherber, *Basic and Applied Ecology*, Vol. 11, 2010)

“For scientists like Adams (Rutgers), understanding the rules that govern how species are arranged and interact becomes a life’s work. In this volume, he deftly synthesizes the state of knowledge that has grown dramatically over the last 80 years thanks to the work of hundreds of ecologists. ... This is an exceptionally readable, engagingly written overview ... of the most integral questions in ecology and biology today. Summing Up: Highly recommended. Upper-division undergraduates and above, general readers.” (D. Flaspohler, *Choice*, Vol. 47 (5), January, 2010)

“Adams begins his book with a brief introduction of his aims. ... Adams has organized his book around major themes in research on diversity. ... Adams book is a good one easy to read, well balanced and interesting. I would use it in my class May this book help to educate another generation of students to think of a diversity of species as a kind of richness.” (Robert R. Dunn, *Ecology*, Vol. 91 (6), 2010)

From the Back Cover

This is a readable, informative and up-to-date account of the patterns and controls on biodiversity. The author describes major trends in species richness, along with uncertainties in current knowledge. The various possible explanations for past and present species patterns are discussed and explained in an even-handed and accessible way. The implications of global climate change and habitat loss are considered, along with current strategies for preserving what we have.

This book examines the state of current understanding of species richness patterns and their explanations. As well as the present day world, it deals with diversification and extinction, in the conservation of species richness, and the difficulties of assessing how many species remain to be discovered. The scientifically compelling subject of vegetation-climate interaction is considered in depth.

Written in an accessible style, the author offers an up-to-date, rigorous and yet eminently comprehensible overview of the ecology and biogeography of species richness. He departs from the often heavy approach of earlier texts, without sacrificing rigor and depth of information and analysis.

Prefacing with the aims of the book, Chapter 1 opens with an explanation of latitudinal gradients, including a description of major features of the striking gradients in species richness, exceptions to the rule, explanations, major theories and field and experimental tests. The following chapter plumbs the depth of time, including the nature of the fossil record, broad timescale diversity patterns, ecosystem changes during mass extinctions and glaciations and their influence on species richness. Chapters 3 and 4 consider hotspots

and local scale patterns in species richness while Chapter 5 looks at the limitations and uncertainties on current estimates of richness, the last frontiers of species diversity and the process of identifying new life forms. The last three chapters cover humans and extinctions in history and prehistory, current habitat and global change, including the greenhouse effect, and the race to preserve what we still have, including parks, gene banks and laws.

About the Author

Assistant Professor in Ecology, Rutgers University, New Jersey. About 50 published papers in many different aspects of ecology, including species richness, e.g. Adams and Woodward 1989, in *Natur*. Work on basis of latitudinal gradients, and influence of glacial history. Current work on Janzen-Connell hypothesis.

Users Review

From reader reviews:

Christine Andrews:

This book untitled *Species Richness: Patterns in the Diversity of Life* (Springer Praxis Books) to be one of several books which best seller in this year, that's because when you read this e-book you can get a lot of benefit on it. You will easily to buy this book in the book retail outlet or you can order it by using online. The publisher of the book sells the e-book too. It makes you easier to read this book, as you can read this book in your Mobile phone. So there is no reason for you to past this e-book from your list.

Carl Speed:

The book untitled *Species Richness: Patterns in the Diversity of Life* (Springer Praxis Books) is the publication that recommended to you to study. You can see the quality of the guide content that will be shown to anyone. The language that writer use to explained their ideas are easily to understand. The writer was did a lot of investigation when write the book, hence the information that they share for you is absolutely accurate. You also can get the e-book of *Species Richness: Patterns in the Diversity of Life* (Springer Praxis Books) from the publisher to make you far more enjoy free time.

Joseph Mattie:

Reading can called brain hangout, why? Because when you find yourself reading a book especially book entitled *Species Richness: Patterns in the Diversity of Life* (Springer Praxis Books) your mind will drift away trough every dimension, wandering in most aspect that maybe mysterious for but surely might be your mind friends. Imaging just about every word written in a guide then become one type conclusion and explanation which maybe you never get just before. The *Species Richness: Patterns in the Diversity of Life* (Springer Praxis Books) giving you a different experience more than blown away your head but also giving you useful information for your better life with this era. So now let us explain to you the relaxing pattern the following is your body and mind will likely be pleased when you are finished looking at it, like winning a sport. Do you want to try this extraordinary spending spare time activity?

Scott Reisinger:

Do you like reading a publication? Confuse to looking for your best book? Or your book seemed to be rare? Why so many query for the book? But just about any people feel that they enjoy intended for reading. Some people likes looking at, not only science book and also novel and Species Richness: Patterns in the Diversity of Life (Springer Praxis Books) or perhaps others sources were given understanding for you. After you know how the truly great a book, you feel wish to read more and more. Science reserve was created for teacher or maybe students especially. Those books are helping them to add their knowledge. In other case, beside science book, any other book likes Species Richness: Patterns in the Diversity of Life (Springer Praxis Books) to make your spare time a lot more colorful. Many types of book like here.

**Download and Read Online Species Richness: Patterns in the Diversity of Life (Springer Praxis Books) By Jonathan Adams
#HPLIS5A9EK7**

Read Species Richness: Patterns in the Diversity of Life (Springer Praxis Books) By Jonathan Adams for online ebook

Species Richness: Patterns in the Diversity of Life (Springer Praxis Books) By Jonathan Adams Free PDF download, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Species Richness: Patterns in the Diversity of Life (Springer Praxis Books) By Jonathan Adams books to read online.

Online Species Richness: Patterns in the Diversity of Life (Springer Praxis Books) By Jonathan Adams ebook PDF download

Species Richness: Patterns in the Diversity of Life (Springer Praxis Books) By Jonathan Adams Doc

Species Richness: Patterns in the Diversity of Life (Springer Praxis Books) By Jonathan Adams Mobipocket

Species Richness: Patterns in the Diversity of Life (Springer Praxis Books) By Jonathan Adams EPub