

Big Questions in Ecology and Evolution

By Thomas N. Sherratt, David M. Wilkinson

Download now

Read Online

Big Questions in Ecology and Evolution By Thomas N. Sherratt, David M. Wilkinson

Why do we age? Why cooperate? Why do so many species engage in sex? Why do the tropics have so many species? When did humans start to affect world climate?

This book provides an introduction to a range of fundamental questions that have taxed evolutionary biologists and ecologists for decades. Some of the phenomena discussed are, on first reflection, simply puzzling to understand from an evolutionary perspective, whilst others have direct implications for the future of the planet. All of the questions posed have at least a partial solution, all have seen exciting breakthroughs in recent years, yet many of the explanations continue to be hotly debated.

Big Questions in Ecology and Evolution is a curiosity-driven book, written in an accessible way so as to appeal to a broad audience. It is very deliberately not a formal text book, but something designed to transmit the excitement and breadth of the field by discussing a number of major questions in ecology and evolution and how they have been answered. This is a book aimed at informing and inspiring anybody with an interest in ecology and evolution. It reveals to the reader the immense scope of the field, its fundamental importance, and the exciting breakthroughs that have been made in recent years.

Download Big Questions in Ecology and Evolution ...pdf

Read Online Big Questions in Ecology and Evolution ...pdf

Big Questions in Ecology and Evolution

By Thomas N. Sherratt, David M. Wilkinson

Big Questions in Ecology and Evolution By Thomas N. Sherratt, David M. Wilkinson

Why do we age? Why cooperate? Why do so many species engage in sex? Why do the tropics have so many species? When did humans start to affect world climate?

This book provides an introduction to a range of fundamental questions that have taxed evolutionary biologists and ecologists for decades. Some of the phenomena discussed are, on first reflection, simply puzzling to understand from an evolutionary perspective, whilst others have direct implications for the future of the planet. All of the questions posed have at least a partial solution, all have seen exciting breakthroughs in recent years, yet many of the explanations continue to be hotly debated.

Big Questions in Ecology and Evolution is a curiosity-driven book, written in an accessible way so as to appeal to a broad audience. It is very deliberately not a formal text book, but something designed to transmit the excitement and breadth of the field by discussing a number of major questions in ecology and evolution and how they have been answered. This is a book aimed at informing and inspiring anybody with an interest in ecology and evolution. It reveals to the reader the immense scope of the field, its fundamental importance, and the exciting breakthroughs that have been made in recent years.

Big Questions in Ecology and Evolution By Thomas N. Sherratt, David M. Wilkinson Bibliography

- Sales Rank: #658000 in Books
- Published on: 2009-04-25
- Released on: 2009-04-25
- Original language: English
- Number of items: 1
- Dimensions: 6.60" h x .60" w x 9.30" l, 1.30 pounds
- Binding: Paperback
- 336 pages

Download Big Questions in Ecology and Evolution ...pdf

Read Online Big Questions in Ecology and Evolution ...pdf

Download and Read Free Online Big Questions in Ecology and Evolution By Thomas N. Sherratt, David M. Wilkinson

Editorial Review

Review

"It is perhaps both frustrating and fascinating that long-standing questions -- such as Why Sex?, Why Do We Age?, Why Cooperate?, Why is the World Green?, and Why are the Tropics so Diverse? -- do not have completely solid answers But clearly much has been learned in the attempts to pin these questions down and lay them open to empirical attack. This feeling comes through in this book by Thomas Sherratt and David Wilkinson. They do a brilliant job. The authors show a special gift for getting directly to the crux of the conceptual biscuit, and then walking their readers through the theoretical and empirical nuances."--*The Quarterly Review of Biology*

"The serious fun of *Big Questions in Ecology and Evolution* comes from considering the child-like "why?" Unlike the average responses to question posed by children, here Sherratt and Wilkinson offer answers as good as science currently can deliver. The chapters on topics with which I was familiar I found well written, and those I knew nothing about beforehand were eye-opening."--*Science*

"Paul Colinvaux's 1978 book *Why Big Fierce Animals are Rare* was the inspiration for this book. The authors have not tried to write an update of Colinvaux's book but rather to follow its example of asking current big questions but on a wider topic - including evolutionary ecology. And the answer is that there is no simple over-arching answer; an important lesson for students to learn - that evological and evolutionary answers are often not clear-cut and it is about weighing up which factors have what effect. Not a light read but well worth spending time with."--*Bulletin of the British Ecological Society*

About the Author

Prof. Tom Sherratt has authored and co-authored over 90 scientific publications in evolution and ecology, including several papers in Nature. Co-author of an earlier book for Oxford University Press on anti-predator defence, and an Associate Editor of The American Naturalist, Tom has a wide range of teaching and research interests, especially in entomology and evolutionary theory.

Dr. Dave Wilkinson has authored and co-authored over 80 scientific publications in biology, environmental science, archaeology and the history of science. He authored a previous award winning book for Oxford University Press, *Fundamental Processes in Ecology; an Earth systems approach*. He has wide research and teaching interests in biology and environmental sciences.

Books by the Same Authors:
Fundamental Processes in Ecology: An Earth Systems Approach, Duel Editions |a David M. Wilkinson
Avoiding Attack: The Evolutionary Ecology of Crypsis, Warning Signals and Mimicry, Duel Editions |a Graeme D. Ruxton, Tom N. Sherratt and Mike Speed

Users Review

From reader reviews:

Susan Williams:

What do you in relation to book? It is not important with you? Or just adding material when you need something to explain what yours problem? How about your spare time? Or are you busy particular person? If you don't have spare time to accomplish others business, it is make one feel bored faster. And you have time? What did you do? All people has many questions above. They have to answer that question because just their can do this. It said that about guide. Book is familiar on every person. Yes, it is proper. Because start from on kindergarten until university need this specific Big Questions in Ecology and Evolution to read.

Paul Eastman:

Reading can called brain hangout, why? Because if you find yourself reading a book especially book entitled Big Questions in Ecology and Evolution your brain will drift away trough every dimension, wandering in each aspect that maybe unfamiliar for but surely can become your mind friends. Imaging just about every word written in a book then become one web form conclusion and explanation that will maybe you never get just before. The Big Questions in Ecology and Evolution giving you a different experience more than blown away your thoughts but also giving you useful data for your better life on this era. So now let us explain to you the relaxing pattern this is your body and mind are going to be pleased when you are finished reading it, like winning a sport. Do you want to try this extraordinary investing spare time activity?

Howard Joyce:

Don't be worry in case you are afraid that this book will certainly filled the space in your house, you may have it in e-book way, more simple and reachable. This Big Questions in Ecology and Evolution can give you a lot of good friends because by you checking out this one book you have factor that they don't and make an individual more like an interesting person. This particular book can be one of a step for you to get success. This book offer you information that perhaps your friend doesn't understand, by knowing more than other make you to be great folks. So , why hesitate? We need to have Big Questions in Ecology and Evolution.

Johnny Sutton:

Do you like reading a e-book? Confuse to looking for your preferred book? Or your book has been rare? Why so many concern for the book? But any kind of people feel that they enjoy with regard to reading. Some people likes looking at, not only science book but additionally novel and Big Questions in Ecology and Evolution or others sources were given understanding for you. After you know how the truly great a book, you feel need to read more and more. Science reserve was created for teacher or students especially. Those textbooks are helping them to include their knowledge. In various other case, beside science guide, any other book likes Big Questions in Ecology and Evolution to make your spare time much more colorful. Many types of book like this.

Download and Read Online Big Questions in Ecology and Evolution By Thomas N. Sherratt, David M. Wilkinson #MIWSBY5EOK7

Read Big Questions in Ecology and Evolution By Thomas N. Sherratt, David M. Wilkinson for online ebook

Big Questions in Ecology and Evolution By Thomas N. Sherratt, David M. Wilkinson Free PDF d0wnl0ad, 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 Big Questions in Ecology and Evolution By Thomas N. Sherratt, David M. Wilkinson books to read online.

Online Big Questions in Ecology and Evolution By Thomas N. Sherratt, David M. Wilkinson ebook PDF download

Big Questions in Ecology and Evolution By Thomas N. Sherratt, David M. Wilkinson Doc

Big Questions in Ecology and Evolution By Thomas N. Sherratt, David M. Wilkinson Mobipocket

Big Questions in Ecology and Evolution By Thomas N. Sherratt, David M. Wilkinson EPub