

Handbook of Evolutionary Thinking in the Sciences

Thomas Heams · Philippe Huneman · Guillaume Lecointre · Marc Silberstein *Editors*
Handbook of Evolutionary Thinking in the Sciences

The Darwinian theory of evolution is itself evolving and this book presents the details of the core of modern Darwinism and its latest developmental directions. The authors present current scientific work addressing theoretical problems and challenges in four sections, beginning with the concepts of evolution theory, its processes of variation, heredity, selection, adaptation and function, and its patterns of character, species, descent and life.

The second part of this book scrutinizes Darwinism in the philosophy of science and its usefulness in understanding ecosystems, whilst the third section deals with its application in disciplines beyond the biological sciences, including evolutionary psychology and evolutionary economics, Darwinian morality and phylolinguistics. The final section addresses anti-Darwinism, the creationist view and issues around teaching evolution in secondary schools.

The reader learns how current experimental biology is opening important perspectives on the sources of variation, and thus of the very power of natural selection. This work examines numerous examples of the extension of the principle of natural selection and provides the opportunity to critically reflect on a rich theory, on the methodological rigour that presides in its extensions and exportations, and on the necessity to measure its advantages and also its limits. Scholars interested in modern Darwinism and scientific research, its concepts, research programs and controversies will find this book an excellent read, and those considering how Darwinism might evolve, how it can apply to the human sciences and other disciplines beyond its origins will find it particularly valuable. Originally produced in French (*Les Mondes Darwiniens*), the scope and usefulness of the book have led to the production of this English text, to reach a wider audience.

This book is a milestone in the impressive penetration by Francophone scholars into the world of Darwinian science, its historiography and philosophy over the last two decades... This English translation does indeed serve as a Handbook of Darwinian Thinking that will advance understanding of Darwinian theory in every language.

Alex Rosenberg, R. Taylor Cole Professor of Philosophy, Duke University
Until now this useful and comprehensive handbook has only been available to francophones. Thanks to this invaluable new translation, this collection of insightful and original essays can reach the global audience it deserves. Tim Lewens, University of Cambridge

Life Sciences



Editors: Heams, Th., Huneman, P., Lecointre, G., Silberstein, M. (Eds.) The Darwinian theory of evolution is itself evolving and this book presents the details of the core of modern Darwinism and its latest developmental directions. The authors present current scientific work. Request Book PDF Handbook of Evolutionary Thinking in the Sciences Citations: 6 The Darwinian theory of evolution is itself evolving and this book presents. The Darwinian theory of evolution is itself evolving and this book presents the details of the core of modern Darwinism and its latest developmental directions. Handbook of Evolutionary Thinking in the Sciences. Edited by Thomas Heams, Philippe Huneman, Guillaume Lecointre, and Marc Silberstein. Dordrecht (The Handbook of evolutionary thinking in the sciences Science Library (Li and Ma) . everything about life: from Darwin's brilliant idea to today's epic theory. Ancestor of the New Archetypal Biology: Goethe's Dynamic Typology as a Model for Contemporary Evolutionary Developmental tickled-inc.com F. Riegner - Handbook of evolutionary thinking in the sciences /. The Darwinian theory of evolution is itself evolving and this book presents the details of the core of modern. Buy the Handbook Of Evolutionary Thinking In The Sciences online from Takealot. Many ways to pay. Free Delivery Available. Non-Returnable. We offer fast. Thomas Heams is the author of Handbook of Evolutionary Thinking in the Sciences (avg rating, 0 ratings, 0 reviews, published). Handbook of Evolution Human Biology: An Evolutionary and Biocultural Perspective What is an Evolutionary Theory and Who was the First Evolutionary . consists of many subtheories and is not yet a finished case (as science never is). The origin of this book and how to use it. 1 - History of Evolutionary Theory How modern science got into this problem. 2 - The Big Bang and Stellar Evolution. The Cambridge Handbook of Evolutionary Ethics Evolutionary ethics - the application of evolutionary ideas to moral thinking and justification - began in the . The concept of plasticity is everywhere in the life sciences. As in philosophy, 1 Handbook of evolutionary thinking in the sciences, , The Oxford Handbook of Philosophy of Biology is a collection of articles topic, then moves into important analyses of contemporary evolutionary thinking, and the Program in the History and Philosophy of Science at Florida State University. Darwin provided two key theories that guide much of modern psychological As the unifying theory of the life sciences, evolution by natural and sexual.

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