

1. Record Nr.	UNINA9910151705003321
Titolo	Assumptions inhibiting progress in comparative biology // edited by Brian I. Crother and Lynne R. Parenti
Pubbl/distr/stampa	Boca Raton : , : CRC Press, Taylor & Francis, , 2017 ©2017
ISBN	1-315-35220-6 1-315-36919-2 1-4987-4128-2
Edizione	[1st ed.]
Descrizione fisica	1 online resource (287 pages) : illustrations
Disciplina	570.72
Soggetti	Evolution (Biology) - Research - Methodology Biology - Research - Methodology Biogeography - Research - Methodology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1. Assumptions that inhibit scientific progress in comparative biology / Donn E. Rosen -- Chapter 2. Donald Eric Rosen (1929-1986) / Gareth Nelson -- Chapter 3. Rosen decomposing / Lynne R. Parenti and Brian I. Crother -- Chapter 4. Donn E. Rosen, skepticism, and evolution / Brian I. Crother -- Chapter 5. Network species model consociates process ecology and material object theory / David Kizirian and Maureen A. Donnelly -- Chapter 6. The inhibition of scientific progress : perceptions of biological units / Christopher M. Murray, Caleb D. McMahan, Brian I. Crother, and Craig Guyer -- Chapter 7. Neo-Darwinism, hopeful monsters, and Evo-Devo's much expanded evolutionary synthesis / Mary E. White -- Chapter 8. Does competition generate biodiversity? An essay in honor of Donn Eric Rosen / Maureen A. Donnelly -- Chapter 9. Epistemological concern for estimating extinction : introducing a new model for comparing phylogenies / Prosanta Chakrabarty and Subir Shakya -- Chapter 10. Donn Rosen and the perils of paleontology / Lance Grande -- Chapter 11. Biogeographic origin of mainland Norops (Squamata : Dactyloidae) / Kirsten E. Nicholson, Craig Guyer, and John G. Phillips -- Chapter 12.

Modification of comparative biogeographic method protocol to differentiate vicariance and dispersal / Mallory E. Eckstut, Brett R. Riddle, and Brian I. Crother -- Chapter 13. Raising Cain : on the assumptions that inhibit scientific progress in comparative biogeography / Lynne R. Parenti -- Chapter 14. Evidence, pattern and assumptions : reintroducing Rosen's empiricism and skepticism to systematics and biogeography / Randall D. Mooi.

Sommario/riassunto

This book is a thought-provoking assessment of assumptions inhibiting progress in comparative biology. The volume is inspired by a list generated years earlier by Donn Rosen, one of the most influential, innovative and productive comparative biologists of the latter 20th century. His list has assumed almost legendary status among comparative evolutionary biologists. Surprisingly many of the obstructing assumptions implicated by Rosen remain relevant today. Any comparative biologist hoping to avoid such assumptions in their own research will benefit from this introspective volume.
