

About The Cover

The interaction between *Daphnia magna* and its bacterial parasite *Pasteuria ramosa* has provided numerous insights into the coevolutionary process. In the cover photo, the individual on the left is healthy and full of eggs whereas the individual on the right is infected by the parasite *Pasteuria ramosa* which has sterilized it. If the parasite can infect only those host genotypes that it matches, coevolution proceeds as predicted by the equations on the cover and leads to the oscillating genotype frequencies shown in the cover graph.

(*Daphnia magna* image courtesy of Clayton E. Cressler, Nelson Lab, Queen's University; background image: themacx/Getty Images)



"Coevolution is a cornerstone of modern biology. Nuismer's lucid, empirically grounded presentation now renders the underlying theory accessible to a wide scientific audience. Highly recommended!"

JUDITH L. BRONSTEIN
University of Arizona

"No species is an island: species don't just evolve but coevolve with other species that they interact with, for example through parasitism or mutualism. Mathematical models of coevolution can be challenging but with this book Scott Nuismer offers an excellent introduction to the topic that is both lucid and highly engaging."

JAN ENGELSTÄDTER
University of Queensland

"This book is a 'must-have' for anyone working in coevolutionary biology, either for empiricists to better understand the theoretical underpinnings that should guide their research or for budding theoreticians to learn how to develop new theory of their own."

ANEIL F. AGRAWAL
University of Toronto



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