

ECOLOGY AND EVOLUTION OF POECILIID FISHES

Edited by Jonathan P. Evans, Andrea Pilastro,
and Ingo Schlupp

The history of biology is populated by numerous model species or organisms. But few vertebrate groups have aided evolutionary and ecological research more than the live-bearing fishes of the family Poeciliidae. Found throughout tropical and subtropical waters, poeciliids exhibit a fascinating variety of reproductive specializations, including viviparity, matrotrophy, unisexual reproduction, and alternative mating strategies, making them ideal models for research on patterns and processes in ecology, behavior, and evolution.

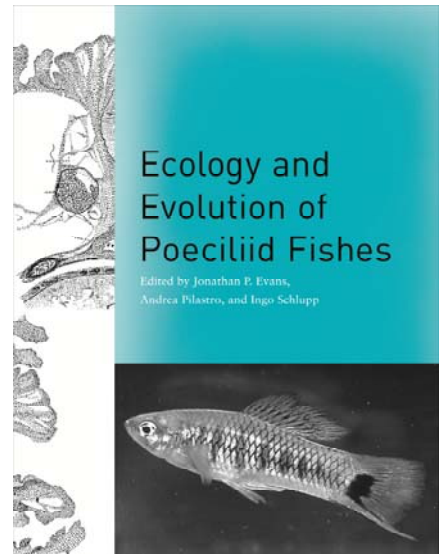
Ecology and Evolution of Poeciliid Fishes is a much-needed overview of the scientific potential and understanding of these live-bearing fishes. Chapters by leading researchers take up a wide range of topics, including the evolution of reproductive traits, sexual selection, life in extreme environments, life-history evolution, behavior, and genetics. Designed to provide a single and highly approachable reference, *Ecology and Evolution of Poeciliid Fishes* will appeal to students and specialists interested in all aspects of evolutionary ecology.

Jonathan P. Evans is associate professor at the University of Western Australia's Centre for Evolutionary Biology. **Andrea Pilastro** is professor of zoology at the University of Padova. **Ingo Schlupp** is professor of zoology at the University of Oklahoma and adjunct professor of integrative biology at the University of Texas.

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Praise for *Ecology and Evolution of Poeciliid Fishes*

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"This book is an incredible compilation and contribution on the Poeciliidae. The coverage is well organized into twenty-seven relevant and informative chapters by cutting-edge scientists. This work will be eagerly awaited by poeciliid and non-poeciliid researchers."

—Robert C. Cashner,
University of New Orleans

"Evans, Pilastro, and Schlupp have brought together insightful syntheses of recent advances in a wide range of topics in poeciliid evolution, ecology, and reproductive biology. The 'future directions' sections alone of these chapters will be of immense value in inspiring research in coming decades and should be required reading for beginning researchers."

—Anne E. Houde,
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