Record Nr. UNINA9910790506203321 Evolutionary behavioral ecology / / edited by David F. Westneat, Charles **Titolo** W. Fox Pubbl/distr/stampa Oxford;; New York:,: Oxford University Press,, 2010 **ISBN** 0-19-533192-3 0-19-971578-5 Descrizione fisica 1 online resource (660 p.) Altri autori (Persone) WestneatDavid F FoxCharles W Disciplina 591.5 Soggetti Animal behavior - Evolution Animal ecology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Contents; Contributors; Section I. Foundations; 1. Ingenious Ideas: The History of Behavioral Ecology; 2. Adaptation; Box 2.1. Optimality Models; 3. Behavioral Concepts of Selection; 4. What Is Fitness, and How Do We Measure It?; 5. The Genetic Basis of Behavior; Box 5.1. A Brief Introduction to Quantitative Genetics; Box 5.2. Diversity of Sex-Determining Mechanisms; 6. Behavior as Phenotypic Plasticity; Box 6.1. Contrasting Quantitative Genetic Models for the Evolution of Plasticity; Box 6.2. Contrasting Statistical Methods for Studying Phenotypic **Plasticity** 7. Evolution of Behavior: Phylogeny and the Origin of Present-Day DiversityBox 7.1. Comparative Methods; Section II. Decision Making; 8. Decision Theory; Box 8.1. A DSV Model of Clam Life History Decisions;

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Sommario/riassunto

Evolutionary Behavioral Ecology is intended to be used as a text for graduate students and a sourcebook for professional scientists seeking an understanding of the evolutionary and ecological processes shaping behavior across a wide array of organisms and a diverse set of behaviors. Chapters are written by leading experts in the field, providing a core foundation, a history of conceptual developments, and fresh insight into the controversies and themes shaping the continuing development of the field. Essays on adaptation, selection, fitness, genetics, plasticity, and phylogeny as they pertain