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Titolo	Genotype-by-environment interactions and sexual selection // edited by John Hunt and David Hosken
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ISBN	1-118-91262-4 1-118-91259-4 1-118-91261-6
Descrizione fisica	1 online resource (373 p.)
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Soggetti	Sexual selection in animals Genotype-environment interaction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Cover; Title Page; Copyright; Contents; List of Contributors; Preface; About the Companion Website; Part I Introduction and Theoretical Concepts; Chapter 1 Genotype-by-Environment Interactions and Sexual Selection: Female Choice in a Complex World; 1.1 Introduction; 1.2 Classical female choice; 1.3 The instability of ""good genes"" when male quality is a complex trait; 1.3.1 Additive effects of genes on genotypic value; 1.3.2 Genotype-by-environment interaction; 1.3.3 Gene-by-gene interaction; 1.3.4 Indirect genetic effects sensu quantitative genetics; 1.4 Discussion; Acknowledgments References Chapter 2 GEIs when Information Transfer is Uncertain or Incomplete; 2.1 Introduction; 2.2 Lewontin's ""very annoying conclusions""; 2.3 Ignorance, uncertainty, and information; 2.4 Information and fitness; 2.5 Bayesian Statistical Decision Theory; 2.6 Discrimination and selection: the signal detection perspective; 2.7 Search, discrimination, and mate choice by female pied flycatchers; 2.8 Optimal search and the marginal value of additional information; 2.9 Biological signaling theory; 2.10 GEIs in condition, signals, and preferences; 2.11 Conclusions; References

Chapter 3 Local Adaptation and the Evolution of Female Choice 3.1 Introduction; 3.2 The Jekyll and Hyde nature of GEIs; 3.3 The model; 3.3.1 Overview; 3.3.2 Initialization phase; 3.3.3 Dispersal; 3.3.4 Determination of condition and viability selection; 3.3.5 Breeding; 3.3.6 Mutation; 3.4 Less local adaptation, more female choice!; 3.5 Can we generalize?; 3.6 GEIs often maintain costly choice in a suitably variable world; 3.7 Insights from the model; 3.8 Prospects for empirical work; 3.9 Prospects for theoretical work; 3.10 Conclusions; References
Chapter 4 Genotype-by-Environment Interactions when the Social Environment Contains Genes 4.1 Introduction; 4.2 Modeling genotype-by-social environment interactions; 4.2.1 A simple GEI model when the environment is abiotic; 4.2.2 A simple model for gene interactions; 4.2.3 A simple GSEI model; 4.2.4 Summary; 4.3 Measuring genotype by social environment interactions; 4.4 Empirical evidence for genotype by social environment interactions; 4.5 Future directions; Acknowledgments; References; Part II Practical Issues for Measuring GEIs
Chapter 5 Quantifying Genotype-by-Environment Interactions in Laboratory Systems 5.1 Introduction; 5.2 Two perspectives on phenotypic plasticity; 5.2.1 The character state approach; 5.2.2 Norm of reaction approach; 5.3 Breeding designs to detect and estimate G x E; 5.3.1 Common garden; 5.3.2 Clones; 5.3.3 Inbred lines; 5.3.4 Isofemale lines; 5.3.5 Conventional breeding designs; 5.3.6 "Unconventional" pedigree designs; 5.3.7 Selection experiments; 5.4 Statistical methodologies; 5.4.1 Mixed-model analysis of variance; 5.4.2 Linear mixed effect model; 5.4.3 The animal model; 5.4.4 Individually fitted functions

Sommario/riassunto

Sexual selection is recognized as being responsible for some of the most extravagant morphologies and behaviors in the natural world, as well as a driver of some of the most rapid evolution. While Charles Darwin's theory is now a fundamental component of modern evolutionary biology, the impact of genotype-by-environment interactions on sexual selection has thus far received little attention. This book represents the first comprehensive analysis of the role genotype-by-environment interactions play in sexual selection and the potential implications that they have for the evolutionary process.

2. Record Nr.	UNINA9910818965703321
Titolo	Handbook of comparative and historical Indo-European linguistics // Jared Klein, Brian Joseph, Matthias Fritz ; in cooperation with Mark Wenthe
Pubbl/distr/stampa	Berlin ; ; Boston : , : De Gruyter Mouton, , [2018] ©2018
ISBN	3-11-054052-5 3-11-054243-9
Descrizione fisica	1 online resource (1,026 pages)
Collana	Handbücher zur Sprach- und Kommunikationswissenschaft / Handbooks of Linguistics and Communication Science (HSK) ; ; 41/3
Disciplina	410
Soggetti	Indo-European languages Historical linguistics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Frontmatter -- Contents -- XIII. Slavic -- 80. The documentation of Slavic -- 81. The phonology of Slavic -- 82. The morphology of Slavic -- 83. The syntax of Slavic -- 84. The lexicon of Slavic -- 85. The dialectology of Slavic -- 86. The evolution of Slavic -- XIV. Baltic -- 87. The documentation of Baltic -- 88. The phonology of Baltic -- 89. The morphology of Baltic -- 90. The syntax of Baltic -- 91. The lexicon of Baltic -- 92. The dialectology of Baltic -- 93. The evolution of Baltic -- XV. Albanian -- 94. The documentation of Albanian -- 95. The phonology of Albanian -- 96. The morphology of Albanian -- 97. The syntax of Albanian -- 98. The lexicon of Albanian -- 99. The dialectology of Albanian -- 100. The evolution of Albanian -- XVI. Languages of fragmentary attestation -- 101. Phrygian -- 102. Venetic -- 103. Messapic -- 104. Thracian -- 105. Sicilian -- 106. Lusitanian -- 107. Macedonian -- 108. Illyrian -- 109. Pelasgian -- XVII. Indo-Iranian -- 110. The phonology of Proto-Indo-Iranian -- 111. The morphology of Indo-Iranian -- 112. The syntax of Indo-Iranian -- 113. The lexicon of Indo-Iranian -- XVIII. Balto-Slavic -- 114. Balto-Slavic -- 115. The phonology of Balto-Slavic -- 116. Balto-Slavic morphology -- 117. The syntax of Balto-Slavic -- 118. The lexicon of Balto-Slavic

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Sommario/riassunto

This book presents the most comprehensive coverage of the field of Indo-European Linguistics in a century, focusing on the entire Indo-European family and treating each major branch and most minor languages. The collaborative work of 120 scholars from 22 countries, Handbook of Comparative and Historical Indo-European Linguistics combines the exhaustive coverage of an encyclopedia with the in-depth treatment of individual monographic studies.
