

1. Record Nr.	UNINA9910481016803321
Autore	Campbell Pamela
Titolo	63 Tactics for Teaching Diverse Learners, Grades 6-12 [[electronic resource]]
Pubbl/distr/stampa	Thousand Oaks, : Corwin Press, 2009
ISBN	1-4522-7229-8 1-4522-1470-0 1-4416-5231-0
Descrizione fisica	1 online resource (199 p.)
Altri autori (Persone)	WangAdam AlgozzineBob
Disciplina	373.1102
Soggetti	Effective teaching High school teaching Middle school teaching Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	""Contents""; ""Preface""; ""Acknowledgments""; ""About the Authors""; ""Planning Instruction""; ""Decide What to Teach""; ""Decide How to Teach""; ""Communicate Realistic Expectations""; ""Managing Instruction""; ""Prepare for Instruction""; ""Use Time Productively""; ""Establish Positive Environments""; ""Delivering Instruction""; ""Present Information""; ""Monitor Presentations""; ""Adjust Presentations""; ""Evaluating Instruction""; ""Monitor Student Understanding""; ""Monitor Engaged Time""; ""Keep Records of Student Progress""; ""Use Data to Make Decisions""; ""References"" ""Additional Readings""""Index""

2. Record Nr.	UNINA9910231248303321
Autore	Sekimura T (Toshio)
Titolo	Diversity and Evolution of Butterfly Wing Patterns [[electronic resource]] : An Integrative Approach / / edited by Toshio Sekimura, H. Frederik Nijhout
Pubbl/distr/stampa	Cham, : Springer Nature, 2017 Singapore : , : Springer Singapore : , : Imprint : Springer, , 2017
ISBN	981-10-4956-4
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XII, 321 p. 103 illus., 89 illus. in color.)
Disciplina	591.35
Soggetti	Animal genetics Evolutionary biology Biomathematics Developmental biology Entomology Animal Genetics and Genomics Evolutionary Biology Mathematical and Computational Biology Developmental Biology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Foreword -- Preface -- Contributors -- Part I. The Nymphalid Ground plan (NGP) and Diversification -- Chapter1: The common developmental origin of eyespots and parafocal elements; And a new model-mechanism for color pattern formation -- Chapter2: Exploring color pattern diversification in early lineages of Satyrinae (Nymphalidae) -- Chapter3: Camouflage variation on a theme of the Nymphalid Ground Plan -- Chapter4: Morphological evolution repeatedly caused by mutations in signaling ligand genes -- Part II. Eyespots and Evolution -- Chapter5: Physiology and evolution of wing pattern plasticity in <i>Bicyclus</i> butterflies: a critical review of the literature -- Chapter6: Spatial variation in boundary conditions can govern selection and location of eyespots in butterfly wings -- Chapter7: Self-Similarity, Distortion

Waves, and the Essence of Morphogenesis: A Generalized View of Color Pattern Formation in Butterfly Wings -- Part III. Developmental Genetics -- Chapter8:A practical guide to CRISPR/Cas9 genome editing in Lepidoptera -- Chapter9:What can we learn about adaptation from the wing pattern genetics of *Heliconius*butterflies? -- Chapter10: Molecular mechanism and evolutionary process underlying female-limited Batesian mimicry in *Papilio polytes* -- Part IV. Ecological Aspects and Adaptation -- Chapter11:Chemical Ecology of Poisonous Butterflies: Model or Mimic?— A Paradox of Sexual Dimorphisms in Müllerian Mimicry -- Chapter12:A model for population dynamics of the mimetic butterfly *Papilio polytes*in Sakishima Islands, Japan (II) -- Chapter13:Evolutionary trends in phenotypic elements of seasonal forms of the tribe Junoniini(Lepidoptera: Nymphalidae) -- Chapter14: Estimating the mating success of male butterflies in the field.-Part V. Color Patterns of Larva and Other Insects -- Chapter15:Molecular Mechanisms of Larval Color Pattern Switch in the Swallowtail Butterfly -- Chapter16:*Drosophila guttifera* as a model system for elucidating color pattern formation -- Chapter17:Molecular mechanisms underlying color vision and color formation in dragonflies.

Sommario/riassunto

This book facilitates an integrative understanding of the development, genetics and evolution of butterfly wing patterns. To develop a deep and realistic understanding of the diversity and evolution of butterfly wing patterns, it is essential and necessary to approach the problem from various kinds of key research fields such as “evo-devo,” “eco-devo,” “developmental genetics,” “ecology and adaptation,” “food plants,” and “theoretical modeling.” The past decade-and-a-half has seen a veritable revolution in our understanding of the development, genetics and evolution of butterfly wing patterns. In addition, studies of how environmental and climatic factors affect the expression of color patterns has led to increasingly deeper understanding of the pervasiveness and underlying mechanisms of phenotypic plasticity. In recognition of the great progress in research on the biology, an international meeting titled “Integrative Approach to Understanding the Diversity of Butterfly Wing Patterns (IABP-2016)” was held at Chubu University, Japan in August 2016. This book consists of selected contributions from the meeting. Authors include main active researchers of new findings of corresponding genes as well as world leaders in both experimental and theoretical approaches to wing color patterns. The book provides excellent case studies for graduate and undergraduate classes in evolution, genetics/genomics, developmental biology, ecology, biochemistry, and also theoretical biology, opening the door to a new era in the integrative approach to the analysis of biological problems. This book is open access under a CC BY 4.0 license. .
