

1. Record Nr.	UNINA9910787776203321
Autore	Gil Diego
Titolo	Avian Urban Ecology [[electronic resource]] : Behavioural and Physiological Adaptations
Pubbl/distr/stampa	Oxford, : OUP Oxford, 2013
ISBN	0-19-163761-0 0-19-163760-2
Descrizione fisica	1 online resource (235 p.)
Altri autori (Persone)	BrummHenrik
Disciplina	598
Soggetti	Birds - Ecology Birds - Ecophysiology Urban animals - Ecology Urban ecology (Biology) - Environmental aspects Urbanization - Behavior Birds - Adaptation Birds Zoology Health & Biological Sciences Vertebrates
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Cover; Contents; Contributors; Introduction; PART 1 The Urban Environment; 1 The challenges of urban living; 2 The impact of artificial light on avian ecology; 3 Wild bird feeding (probably) affects avian urban ecology; PART 2 Behaviour and Physiology; 4 Attention, habituation, and antipredator behaviour: implications for urban birds; 5 Behavioural and ecological predictors of urbanization; 6 Acoustic communication in the urban environment: patterns, mechanisms, and potential consequences of avian song adjustments; 7 The impact of anthropogenic noise on avian communication and fitness 8 Reproductive phenology of urban birds: environmental cues and mechanisms9 The impacts of urbanization on avian disease transmission and emergence; PART 3 Evolutionary Processes; 10

Mechanisms of phenotypic responses following colonization of urban areas: from plastic to genetic adaptation; 11 Landscape genetics of urban bird populations; 12 Reconciling innovation and adaptation during recurrent colonization of urban environments: molecular, genetic, and developmental bases; PART 4 Case Studies 13 Acoustic, morphological, and genetic adaptations to urban habitats in the silvereye (*Zosterops lateralis*) 14 Human-induced changes in the dynamics of species coexistence: an example with two sister species; 15 The application of signal transmission modelling in conservation biology: on the possible impact of a projected motorway on avian communication; 16 The importance of wooded urban green areas for breeding birds: a case study from Northern Finland; Index

Sommario/riassunto

As natural habitat continues to be lost and the world steadily becomes more urbanized, biologists are increasingly studying the effect this has on wildlife. Birds are particularly good model systems since their life history, behaviour, and physiology are especially influenced by directly measurable environmental factors such as light and sound pollution. It is therefore relatively easy to compare urban individuals and populations with their rural counterparts. This accessible text focuses on the behavioural and physiological mechanisms which facilitate adaptation and on the evolutionary process
