

Contents

<i>List of contributors</i>	<i>page</i> vii
<i>Preface</i>	xi
Part I The complexity of patterns and processes	1
1 The bird and its habitat: an overview of concepts <i>Robert J. Fuller</i>	3
2 Habitat quality and habitat occupancy by birds in variable environments <i>Robert J. Fuller</i>	37
3 Spatial variation and temporal shifts in habitat use by birds at the European scale <i>Tomasz Wesołowski and Robert J. Fuller</i>	63
4 Mechanisms and processes underlying landscape structure effects on bird populations <i>Paul M. Dolman</i>	93
5 Avian responses to transitional habitats in temperate cultural landscapes: woodland edges and young-growth <i>Robert J. Fuller</i>	125
6 Habitat associations of birds in complex changing cultural landscapes <i>Shelley A. Hinsley and Simon Gillings</i>	150
7 The importance of habitat heterogeneity at multiple scales for birds in European agricultural landscapes <i>Juliet Vickery and Raphaël Arlettaz</i>	177
Part II Case studies of habitat use and selection	205
8 Spatial variation and habitat relationships in moorland bird assemblages: a British perspective <i>Murray C. Grant and James W. Pearce-Higgins</i>	207

vi CONTENTS

9	Arctic-alpine mountain birds in northern Europe: contrasts between specialists and generalists <i>Des B. A. Thompson, John Atle Kålaas and Ingvar Byrkjedal</i>	237
10	Bird-habitat relationships in reedswamps and fens <i>Gillian Gilbert and Ken W. Smith</i>	253
11	Breeding waders on wet grassland: factors influencing habitat suitability <i>Malcolm Ausden and Mark Bolton</i>	278
12	Processes influencing bird use of estuarine mudflats and saltmarshes in western Europe <i>Jennifer A. Gill</i>	307
13	Avian habitat use on the non-estuarine intertidal coast <i>Niall H. K. Burton</i>	334
14	Temperate western European woodland as a dynamic environment for birds: a resource-based view <i>Robert J. Fuller, Ken W. Smith and Shelley A. Hinsley</i>	352
Part III Wider perspectives		381
15	What is habitat quality? Dissecting a research portfolio on shorebirds <i>Theunis Piersma</i>	383
16	Understanding individual life-histories and habitat choices: implications for explaining population patterns and processes <i>Beat Naef-Daenzer</i>	408
17	Insufficient adaptation to climate change alters avian habitat quality and thereby changes habitat selection <i>Christiaan Both</i>	432
18	Australian birds in a changing landscape: 220 years of European colonisation <i>Tara G. Martin, Carla P. Catterall, Adrian D. Manning and Judit K. Szabo</i>	453
19	Birds in cultural landscapes: actual and perceived differences between northeastern North America and western Europe <i>Jean-Louis Martin, Pierre Drapeau, Lenore Fahrig, Kathryn Freemark Lindsay, David Anthony Kirk, Adam C. Smith and Marc-André Villard</i>	481
20	Birds and their changing habitat: thoughts on research and conservation strategies <i>Robert J. Fuller</i>	516
<i>Species Index</i>		530
<i>Subject Index</i>		536