

Lori M. Hunter • Clark Gray
Jacques Véron
Editors

International Handbook of Population and Environment

Contents

1	Integrating the Environment into Population Research	1
	Lori M. Hunter, Clark Gray, and Jacques Veron	
Part I Theoretical Perspectives		
2	Population and Environment Interactions: Macro Perspectives	15
	Jacques Véron	
3	A Micro Perspective: Elaborating Demographic Contributions to the Livelihoods Framework	37
	Sara R. Curran	
4	Vulnerability to Climate Change and Adaptive Capacity from a Demographic Perspective	63
	Raya Muttarak	
Part II Data & Methods		
5	Household-Scale Data and Analytical Approaches	89
	Brian C. Thiede	
6	Spatial Data and Analytical Approaches	111
	Rachel A. Rosenfeld and Katherine J. Curtis	
7	Qualitative Data and Approaches to Population–Environment Inquiry	139
	Sabine Henry, Sebastien Dujardin, Elisabeth Henriët, and Sofia Costa Santos Baltazar	
Part III Migration & Environment		
8	Building a Policy-Relevant Research Agenda on Environmental Migration in Africa	167
	Valerie Mueller	

9	Water Stress and Migration in Asia	183
	David J. Wrathall and Jamon Van Den Hoek	
10	Environmentally Informed Migration in North America	205
	Elizabeth Fussell and Brianna Castro	
11	Environmental Migration in Latin America	225
	Daniel H. Simon and Fernando Riosmena	

Part IV Health and Mortality

12	Air Pollution, Health, and Mortality	243
	Melissa LoPalo and Dean Spears	
13	Population and Water Issues: Going Beyond Scarcity	263
	Stéphanie Dos Santos, Bénédicte Gastineau, and Valérie Golaz	
14	Heat, Mortality, and Health	283
	Heather Randell	
15	Land Use Change and Health	301
	William K. Pan and Gabrielle Bonnet	
16	Health and Mortality Consequences of Natural Disasters ...	331
	Mark VanLandingham, Bonnie Bui, David Abramson, Sarah Friedman, and Rhae Cisneros	

Part V The Influence of Demographic Dynamics on the Environment

17	Cities and Their Environments	349
	Mark R. Montgomery Jessie Pinchoff, and Erica K. Chuang	
18	Population and Agricultural Change	375
	Richard E. Bilborrow	
19	Population and Energy Consumption/Carbon Emissions: What We Know, What We Should Focus on Next	421
	Brantley Liddle and Gregory Casey	

Part VI Other Arenas

20	Environment and Fertility	441
	Sam Sellers	
21	Gender, Population and the Environment	463
	Jessica Marter-Kenyon, Sam Sellers, and Maia Call	
22	Socio-demographic Inequalities in Environmental Exposures	485
	James R. Elliott and Kevin T. Smiley	

Part VII Conclusion & Reflections

**23 Reflections on the Past, Present, and Future
of Population-Environment Research 509**
Barbara Entwisle

**24 Environmental Migration Scholarship and Policy: Recent
Progress, Future Challenges 515**
Robert McLeman