Contents

Tables vii
Figures x
Symbols xiii
Abbreviations xiv
Contributors xvi
Acknowledgments xviii

1 China's dilemmas in the 21st Century
Ligang Song and Wing Thye Woo 1

Part I Economic growth: determinants and prospects
2 Will China fall into stagflation?
Yiping Huang 13
3 American and European financial shocks: implications for
Chinese economic performance
Rod Tyers and Iain Bain 30
4 Global production sharing and US-China trade relations
Prema-chandra Athukorala and Nobuaki Yamashita 59
5 Rebalancing equity and efficiency for sustained growth
Justin Yifu Lin 90
6 Rural-urban migrants: a driving force for growth
Xiaodong Gong, Sherry Tao Kong, Shi Li and Xin Meng 110
7 Rethinking thirty years of reform in China: implications for
economic performance
Xiaolu Wang 153

Part II Impact of environment degradation and climate change
8 China's rapid emissions growth and global climate change policy
Ross Garnaut, Frank Jotzo and Stephen Howes 170
9 China can grow and still help prevent the tragedy of the
CO₂ commons
Warwick McKibbin, Peter J. Wilcoxen and Wing Thye Woo 190
10 The political economy of emissions reduction in China: are
incentives for low carbon growth compatible?
Cai Fang and Du Yang 226
11 The environmental consequences of foreign direct investment in China
   Qun Bao, Yuanyuan Chen, and Ligang Song

12 The impact of global warming on Chinese wheat productivity
   Liangzhi You, Mark W. Rosegrant, Cheng Fang and Stanley Wood

13 Understanding the water crisis in northern China: how do farmers and the government respond?
   Jinxia Wang, Jikun Huang, Scott Rozelle, Qiuqiong Huang and Lijuan Zhang

14 The impact of air pollution on mortality in Shanghai
   Health and Mortality Transition in Shanghai Project Research Team

Part III Energy use, the environment and future trends

15 Energy and environment in China
   Kejun Jiang and Xiulian Hu

16 Chinese urban household energy requirements and CO₂ emissions
   Jane Golley, Dominic Meagher and Xin Meng

17 Can China's coal industry be reconciled with the environment?
   Xunpeng Shi

18 Emissions and economic development: must China choose?
   Peter Sheehan and Fiona Sun

Index