

1. Record Nr.	UNINA9910830712503321
Titolo	Urban biodiversity and design [[electronic resource] /] / edited by Norbert Muller, Peter Werner & John G. Kelcey
Pubbl/distr/stampa	Hoboken, NJ, : Wiley-Blackwell, c2010
ISBN	1-282-49196-2 9786612491962 1-4443-1865-9 1-4443-1866-7
Descrizione fisica	1 online resource (648 p.)
Collana	Conservation science and practice series
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Disciplina	333.9516091732 577.5/6
Soggetti	Urban ecology (Biology) Biodiversity
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Urban Biodiversity and Design; Contents; Contributors; Foreword; Preface; Introduction; 1 Urban Biodiversity and the Case for Implementing the Convention on Biological Diversity in Towns and Cities; Fundamentals of Urban Biodiversity; 2 Biodiversity of Urban-Industrial Areas and its Evaluation - a Critical Review; 3 Cultural Aspects of Urban Biodiversity; 4 Social Aspects of Urban Biodiversity - an Overview; 5 Urban Biodiversity and Climate Change; 6 Design and Future of Urban Biodiversity; 7 Urban Patterns and Biological Diversity: A Review; History and Development of Urban Biodiversity 8 Urban Flora: Historic, Contemporary and Future Trends 9 Environmental History and Urban Colonizations from an Avian Perspective; 10 Constraints of Urbanization on Vegetation Dynamics in a Growing City: A Chronological Framework in Rennes (France); 11 Most Frequently Occurring Vascular Plants and the Role of Non-native Species in Urban Areas - a Comparison of Selected Cities in the Old and the New Worlds; 12 Factors Influencing Non-Native Tree Species

Distribution in Urban Landscapes; Analysis and Evaluation of Biodiversity in Cities
13 Towards an Automated Update of Urban Biotope Maps Using Remote Sensing Data: What is Possible?
14 Analysis of the Planted and Spontaneous Vegetation at Selected Open Spaces in Apipucos District of Recife, Brazil;
15 Multivariate Approaches to the Study of Urban Biodiversity and Vegetation: An Example from a Southern Temperate Colonial City, Christchurch, New Zealand;
16 The Biodiversity of Historic Domestic Gardens - A Study in the Wilhelminian Quarter of Erfurt (Germany);
17 Old Masonry Walls as Ruderal Habitats for Biodiversity Conservation and Enhancement in Urban Hong Kong
18 Green Roofs - Urban Habitats for Ground-Nesting Birds and Plants
19 South Atlantic Tourist Resorts: Predictors for Changes Induced by Afforestation; Social Integration and Education for Biodiversity;
20 Urban Green Spaces: Natural and Accessible? The Case of Greater Manchester, UK;
21 Urban Wastelands - A Chance for Biodiversity in Cities? Ecological Aspects, Social Perceptions and Acceptance of Wilderness by Residents;
22 Perception of Biodiversity - The Impact of School Gardening
23 Landscape Design and Children's Participation in a Japanese Primary School - Planning Process of School Biotope for 5 Years
24 Attracting Interest in Urban Biodiversity with Bird Studies in Italy;
25 Allotment Gardens as Part of Urban Green Infrastructure: Actual Trends and Perspectives in Central Europe; Conservation, Restoration and Design for Biodiversity;
26 Integration of Natural Vegetation in Urban Design - Information, Personal Determination and Commitment;
27 Prospects of Biodiversity in the Mega-City of Karachi, Pakistan: Potentials, Constraints and Implications
28 Potential of Biodiversity and Recreation in Shrinking Cities: Contextualization and Operationalization

Sommario/riassunto

With the continual growth of the world's urban population, biodiversity in towns and cities will play a critical role in global biodiversity. This is the first book to provide an overview of international developments in urban biodiversity and sustainable design. It brings together the views, experiences and expertise of leading scientists and designers from the industrialised and pre-industrialised countries from around the world. The contributors explore the biological, cultural and social values of urban biodiversity, including methods for assessing and evaluating urban biodiversity, social
