Handbook of Waterfront Cities and Urbanism is the first resource to address cities’ transformations of their coastlines and riverbanks and the resulting effects on environment, culture, and identity in a genuinely global context. Spanning cities from Gdańsk to Georgetown, this reference for design, development, and planning explores the transition of waterfronts from industrial and port zones to crowd-drawing urban spectacles within the frameworks of urban development, economics, ecology, governance, globalization, preservation, and sustainability. A collection of contextual studies, local perspectives, project reviews, and analyses of evolution and emerging trends provides critical insight into the phenomenon of waterfront development and urbanism in cities from the East to the West.

The Handbook explores the transformation of waterfronts from industrial hubs to urban playgrounds through the lenses of preservation, governance, economics, ecology, and more.

Case studies drawn from cities in China, Bangladesh, Turkey, the United States, Malaysia, the European Union, Egypt, and other countries are presented in the Handbook, that includes contributions from an interdisciplinary team of international scholars and professionals, a much-needed corrective to the historical exclusion of researchers and issues from the Global South.

An ideal reference for graduate students, scholars, and professionals in urban planning, architecture, geography, and history, the Handbook of Waterfront Cities and Urbanism deserves to be on the shelf of urban authorities and any internationally minded academic or practitioner in real estate development, water management, preservation, or tourism.

Index of contents

Introduction
Mohammed Mahbubur Rahman

PART I: Settlement, Heritage, and Culture

1. River as a Lived Place in South Asian Urbanism: A study of Buriganga Riverbank, Dhaka  
   Mania Taher and Mohammed Mahbubur Rahman
2. Urban Morphology in Relation to the Waterfront and its Integration with the Cities:  
   Understanding the Indian Notion  
   Bhavna V. Vimawala
3. Indus River and Cultural Heritage: Commemoration of Three Sites in Sindh  
   Masooma Shakir, Suneela Ahmed, Michel Boivin and Fahmida Shaikh
4. Sustainability of the Outstanding Universal Values of Historic Waterfront: Two World  
   Heritage Sites of the Straits of Malacca  
   Shuhana Shamsuddin and Rohayah Che Amat
5. Urban Threshold: A Space between Land and Water – Cases of Lisbon and Banjarmasin  
   Francesca Dal Cin, Indah Mutia and Fransje Hooimeijer

PART II: Climate, Ecology, and Water-Sensitive Design

   from Three Asian Cases  
   Mohammad Sami Al Hasan and Tapan Kumar Dhar
7. Water Sensitive Urbanism in Bengal Delta: Social-Spatial Dialectics of Ponds and  
   Waterbodies in Barisal, Bangladesh  
   Md Rashed Bhuyan, Saimum Kabir and Md Rashed Hasan
8. Water Sensitive Urban Design for Enhancing Flood Resilience: A Case Study in Brisbane  
   City, Australia  
   K M Ulil Amor Bin Zaman and Imon Chowdhooree
9. Blue and Green Infrastructure as Public Spaces: Five Proposals for Resilient Urban  
   Development and Social Integration in Peru  
   Susana López Varela, Augusto Román Moncagatta and César Omar Tarazona Huamán

PART III: Design, Plan, and Develop with Water

10. Sea Level Rise and Stewardship of Water Infrastructural Heritage in Coastal Regions  
    Meisha Hunter
11. Coastal Development — Architectural and Urban Design Proposals in the İzmit Bay,
Turkey
Nevnihal Erdoğan
12. Water in Cities: Can We End the War? Experiences from the Detailed Area Plan of Dhaka
Khondker Neaz Rahman, Hisham Uddin Chisty, D S Adibul Abedin and Ananda Saha
13. Tempe Town Lake: A Waterfront Development in the Arizona Desert
Rafique Islam
Analysis and Correlation with the Developing Urban Environment.
Apostolos Kyriazis, Diana Abdul Naser Enab and Rama Taha Al Nuaimi

PART IV: Governance and Participation
Apurba K. Podder and Sheikh Serajul Hakim
16. Urban Megaprojects in Post-Socialist Serbia: The Example of the ‘City on Water’ Project
Ana Perić and Marija Maruna
17. Citizen Participation in Waterfront Redevelopment along Noord River in Alblasserdam, the Netherlands
Arie den Boer
18. Leading the Way: The Role of Non-Profits in Waterfront Development
Barry F. Hersh
19. Riverfront Regeneration for Inclusive and Healthier Cities: Retracing the Public Interest in Cairo
Sahar Attia and Amera El Bortokaly

PART V: Redevelopment and Emerging Issues
20. Waterfront Development, Iconic Architecture, and Global City Aspiration in Asia: Hong Kong and Singapore
Mohammed Mahbubur Rahman, Md Rashed Bhuyan and Mohammad Sami Al Hasan
21. The Bilbao Effect beyond the Guggenhein Museum: Urban and Social Renewal of a Metropolis
Alona Martinez Perez and Joan Moreno Sanz
22. Coexistence or Displacement? Historical and Contemporary Developments of Urban Waterfronts in Polish Cities: The Case of the Tri-City Conurbation
Magdalena Szmytkowska
23. Adaptive Strategies for Former Oil Port Areas: Educating Architects and Planners for
Interventions beyond the Historic Waterfront

Carola Hein

BOOK Info

Mohammed Mahbubur Rahman (edit by)
Handbook of Waterfront Cities and Urbanism

Routledge; July 2022
Pag. 482

Author’s Biography

Mohammed Mahbubur RAHMAN

Mohammed Mahbubur Rahman is currently the Pro-Vice-Chancellor of the Ahsanullah University of Science and Technology in Dhaka. He has taught at universities in Malaysia, Bahrain, Saudi Arabia, Bangladesh, and Oman. A Commonwealth Scholar and McNamara Fellow, Professor Rahman has an interest in urbanism, heritage, shelter, livability, globalization, and sustainable environment. He has published over 100 papers in international journals and conferences, and either authored or edited six books, including: Dhaka: an Urban reader; Society, Architects and Emerging Issues; Old but New: New but Old; and City of an Architect. Professor Rahman, who was elected general secretary of the Institute of Architects Bangladesh in 2005-06, contributes to high panel government and civil society committees and boards, and acts as a resource person and adviser to
government and international bodies.