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Advances in Science, Technology & Innovation (ASTI) is a series of peer-reviewed books based on important emerging research that redefines the current disciplinary boundaries in science, technology and innovation (STI) in order to develop integrated concepts for sustainable development. It not only discusses the progress made towards securing more resources, allocating smarter solutions, and rebalancing the relationship between nature and people, but also provides in-depth insights from comprehensive research that addresses the **17 sustainable development goals (SDGs)** as set out by the UN for 2030.

The series draws on the best research papers from various IEREK and other international conferences to promote the creation and development of viable solutions for a **sustainable future and a positive societal** transformation with the help of integrated and innovative science-based approaches. Including interdisciplinary contributions, it presents innovative approaches and highlights how they can best support both economic and sustainable development, through better use of data, more effective institutions, and global, local and individual action, for the welfare of all societies.

The series particularly features conceptual and empirical contributions from various interrelated fields of science, technology and innovation, with an emphasis on digital transformation, that focus on providing practical solutions to **ensure food, water and energy security to achieve the SDGs**. It also presents new case studies offering concrete examples of how to resolve sustainable urbanization and environmental issues in different regions of the world.

The series is intended for professionals in research and teaching, consultancies and industry, and government and international organizations. Published in collaboration with IEREK, the Springer ASTI series will acquaint readers with essential new studies in STI for sustainable development.

ASTI series has now been accepted for Scopus (September 2020). All content published in this series will start appearing on the Scopus site in early 2021.


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Urban Narratives: Exploring
Identity, Heritage,
and Sustainable
Development in Cities

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Preface

In an age of rapid urbanization and constant societal changes, cities have emerged as dynamic and complex entities, brimming with life, culture, and diversity. As the world's population continues to gravitate toward urban centers, the challenges faced by cities have grown increasingly daunting. Urban spaces must now confront a multitude of issues, from climate change and resource scarcity to social inequality and economic instability. Regardless of these challenges, the concept of resilience has taken center stage, shaping the way cities adapt and thrive amid adversity. Resilience encompasses cities' ability to bounce back, transform, and maintain their essence while fostering sustainable development and improved quality of life for their inhabitants.

Intended to be a guide for academics, scholars, and interested leaders, this book was designed to critically assess studies on the crucial role that architecture and the arts play in cultivating resilient urban environments. The book explores the interplay between the built environment, artistic expression, and the social fabric of cities. It also discussed unraveling the intricate relationship between architecture, art, and urban identity, showcasing how these elements converge to shape the resilience and character of our urban landscapes.

This book is a compilation of meticulously selected innovative research that was originally presented at the Cities' Identity Through Architecture and Arts (CITAA) conference, which brought together scholars from around the world to discuss cultural, historical, and economic aspects of cities. As a result, the book provides a comprehensive and global solution. The research included in this book was conducted by IEREK participants from multiple continents. The contributors to this book, a diverse group of experts spanning the fields of architecture, urban planning, arts, and social sciences, have brought their collective wisdom and experiences to create a rich tapestry of knowledge. Their observations, case studies, and reflections serve as the foundation for this investigation into the complex relationship between urban resilience and cities' artistic and architectural fabric. It provided these authors with an invaluable opportunity to exchange ideas with leading scholars, professionals, and postgraduates in the fields of architecture, arts, planning, and conservation.

The research and materials in this book are meant for people who are actively involved in making decisions as well as a diverse audience with an interest in critically analyzing all the most recent literature within the field.

A special mention should be made of the editors of this book, as well as all the authors and co-authors of the chapters, who have collectively provided the academic community with unique and increasingly valuable literature.

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Introduction

Contemporary cities nowadays are a mix of technological development, art, and architecture at the crossroads. In this edited book, a group of contributions address different topics related to cities identities, cities shapes and information, heritage, arts, sustainability, vocabulary, and public regulations. While a city is an orchestration of architecture, art, and urban planning; its identity is, however, linked to human elements, geography, cultural, social, and economic integrations.

Arts and architecture are among the factors that shape the history of civilizations and allow ancient and modern cities to flourish. These factors do not stop only at buildings and constructions but also include traditions, cultural beliefs, and communal arts. By cherishing traditions and civilizations that left behind various architectural miracles, the way for future generations to develop and preserve their identity could be paved.

This edited book is the result of the work of authors and editors collaborating on developing a general understanding of the themes related to the city and its identity through art and architecture. Several sections are focusing on the shaping of the city based on its morphological formation and the cultural identities restructured in European, Middle Eastern, and international contexts.

This volume brings together thirty contributions from the latest edition that was held at the University of Pisa on December 5 and 6, 2022. The conference treated the themes of cities shapes and development of vocabularies as well as topics related to visual arts and visualization and its impact on human design of cities. The book is divided into four main parts: Part One—Identifying Cities and Formation; Part Two—Shaping Cities and Formation; Part Three—Heritage Arts: Sustainability, Identities and Public Regulations; and Part Four—Development of Cities' Vocabularies.

This book explores critical viewpoints on current urban developments and challenges while examining the historical assemblages of cities, their postcolonial identities, and architectural forms. Based on studies from all over the world, Italy, Turkey, Korea, and other countries are mentioned in this book as case studies, whereas evidence from the interplay of art, architecture, and urban planning is illustrated. The book also brings together experiences from urban design with uncertainty and formulation of environmental and social sustainability in different contexts. Meanwhile, it sheds light on the gentrification and preservation of neighborhoods in old cities and towns. Nonetheless, some contributions pose the question of arts as a way to revitalize historical contexts in some areas.

The interdisciplinarity of this volume allows the reader to grasp several debates on architectural forms while preserving its industrial or cultural heritage, on one hand. It also tackles legislative aspects of historic centers management with relationship to its challenges and preservation on the other hand. The chapters presented in this book are intended for researchers, professionals, and policymakers worldwide.

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