

1. Record Nr.	UNINA9910557766603321
Autore	Yigitcanlar Tan
Titolo	Reviews and Perspectives on Smart and Sustainable Metropolitan and Regional Cities
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2021
Descrizione fisica	1 online resource (332 p.)
Soggetti	Environmental economics Research & information: general
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>The notion of smart and sustainable cities offers an integrated and holistic approach to urbanism by aiming to achieve the long-term goals of urban sustainability and resilience. In essence, a smart and sustainable city is an urban locality that functions as a robust system of systems with sustainable practices to generate desired outcomes and futures for all humans and non-humans. This book contributes to improving research and practice in smart and sustainable metropolitan as well as regional cities and urbanism by bringing together literature reviews and scholarly perspective pieces, forming an open access knowledge warehouse. It contains contributions that offer insights into research and practice in smart and sustainable metropolitan and regional cities by producing in-depth conceptual debates and perspectives, insights from the literature and best practice, and thoroughly identified research themes and development trends. This book serves as a repository of relevant information, material, and knowledge to support research, policymaking, practice, and the transferability of experiences to address challenges in establishing smart and sustainable metropolitan as well as regional cities and urbanism in the era of climate change, biodiversity collapse, natural disasters, pandemics, and socioeconomic inequalities.</p>

2. Record Nr.	UNINA9910557475703321
Autore	Hung Yung-Tse
Titolo	Water Quality Engineering and Wastewater Treatment
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2021
Descrizione fisica	1 online resource (318 p.)
Soggetti	Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>Clean water is one of the most important natural resources on earth. Wastewater, which is spent water, is also a valuable natural resource. However, wastewater may contain many contaminants and cannot be released back into the environment until the contaminants are removed. Untreated wastewater and inadequately treated wastewater may have a detrimental effect on the environment and has a harmful effect on human health. Water quality engineering addresses the sources, transport and treatment of chemical and microbiological contaminants that affect water. Objectives for the treatment of wastewater are that the treated wastewater can meet national effluent standards for the protection of the environment and the protection of public health. This book, which is based on the Special Issue, includes contributions on advanced technologies applied to the treatment of municipal and industrial wastewater and sludge. The book deals with recent advances in municipal wastewater, industrial wastewater, and sludge treatment technologies, health effects of municipal wastewater, risk management, energy efficient wastewater treatment, water sustainability, water reuse and resource recovery.</p>