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Nota di contenuto	1-Xenobiotics in the urban ecosystems: Current status and trend analysis -- 2-Urban water cycle: A potential source and sink of xenobiotics -- 3-Xenobiotics in the urban soils: Sources and environmental concerns -- 4-Major strategies for the assessment of xenobiotics in the urban soils -- 5-Advancements in the analytical techniques for precise xenobiotic assessment -- 6-Xenobiotics in urban soils: Bioavailability and threat levels -- 7-Transport and metabolism of xenobiotics in the urban ecosystem -- 8-Xenobiotics and soil microbial community in the urban ecosystem -- 9-Impact of xenobiotics on urban agriculture/crops -- 10-Xenobiotics and urban plants: impact and threat levels -- 11-Food chain contamination and impact of xenobiotics on human health -- 12-Biotransformation of

xenobiotics in the urban ecosystem -- 13-Phytoremediation and xenobiotics: exploring the potential of selected plants -- 14-Remediation strategies for xenobiotics in urban soils -- 15-Socioeconomic impacts and policy measures for xenobiotics in urban ecosystems -- 16-Management and regulatory aspects of xenobiotics: Government initiatives.

Sommario/riassunto

This volume provides state-of-the-art knowledge on xenobiotics in urban ecosystems, addressing a wide range of related issues, such as xenobiotic types and chemical composition, environmental fate, remedial approaches, regulatory policies and socioeconomic impacts. The book incorporates theoretical and practical aspects pertaining to xenobiotics to assess their threat level in urban environments, while determining appropriate responses and remediation measures to curb harmful impacts and prevent future contaminations. The book will be of interest to soil scientists, ecological engineers, agriculturists, urban policymakers, students and researchers working in the field of urban agriculture and environmental sciences.