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Nota di contenuto	Chapter 1. Introduction to "The Lower Danube delta" (Zaharia Liliana) -- Part I: Hydrological and Hydromorphological Processes -- Chapter 2. General features of the hydro-sedimentary flows along the Lower Danube River (Zaharia Liliana) -- Chapter 3. Comparative assessment of hydromorphological parameters in the context of riverbed morphology anthropic changes (Deák György) -- Chapter 4. Dynamics of islands and Danube River channel in last 150 years (Vedea-Calarasi sector, Romania). Hydrogeomorphological approach (Florina Grecu) -- Chapter 5. Analysis of Hydro-Sedimentary Processes and Fluvial Morphology along the Lower Danube River (Giurgiu-Calarai Reach) (Daniela E. Gogoae Nistoran) -- Chapter 6. Hydro-environmental specifics of the Lower Danube Bulgarian tributaries (M. Chilikova-Lubomirova) -- Part II: Physico-chemical Features, Biodiversity and Quality of the Hydro- environment.
Sommario/riassunto	This book provides essential information and recent findings on hydro-

environmental issues in the Lower Danube River, particularly its hydrological and hydromorphological processes; physico-chemical features; climate and water-related hazards; and not only the biodiversity and quality but also the sustainable management and governance of its hydro-environment. Accordingly, it presents a broad range of scientific information on the lower sector of the second-longest river in Europe, which holds major economic importance and has been severely impacted by human pressures, especially since the second part of the last century. The engineering works (e.g. dams, reservoirs, levees, channelization, etc.) on the Danube and its tributaries, despite their benefits to society, have altered its flow and significantly reduced its sediment load, with consequences for hydromorphological processes and aquatic ecosystems. These ecosystems have also been affected by pollution from various sources. To promote sustainable management of the Danube River and its watershed, several strategies and measures have been developed by a number of institutions, from the European level to the national and regional levels (commissions, national authorities, non-governmental organizations, etc.). Compared to the upper and middle sectors of the Danube, the lower sector has received less attention in the international scientific literature in terms of hydro-environmental issues. The book fills this gap and provides current and original insights and findings from recent studies conducted by scientists from three countries drained by the Lower Danube River and its tributaries: Bulgaria, Romania and Serbia. This unique book will be of great scientific interest to professional engineers, policy planners and policymakers in the three countries mentioned above, helping them to implement their own sustainable development plans. It also offers a valuable resource for graduate students, researchers and stakeholders.
