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## Sommario/riassunto

This comprehensive volume examines the toxic effects of micro- and nanoplastics on the environment, food, and human health. Edited by Inamuddin, Tariq Altalhi, and Virginia Cruz Fernandes, it provides an in-depth exploration of the sources, distribution, and behavior of these plastics, as well as their interactions with related chemicals. The book covers the environmental aging processes of microplastics, life cycle assessments of bioplastics, and the various routes of human exposure. It addresses the direct and ecological impacts on health, the food chain, and marine life, while also discussing the detection and removal methods of microplastics. Aimed at researchers, environmental scientists, and policymakers, this work seeks to raise awareness and propose strategies for mitigating the harmful effects of micro- and nanoplastics.

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