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Sommario/riassunto	Pharmaceutical wastewater is now a major concern due to the improper legislation around the globe and the poor implementation of existing laws. This book covers the various aspects of pharmaceutical sources, treatment technologies, and the harmful effect on the natural environment. The book will also highlight the concept of the 3Rs (reduce, reuse and recycle) as applied to the treatment and resource recovery systems for pharmaceutical treatment. The different innovative technologies will deal with reducing the energy requirements, the physical space requirements and impacts of treatment plants . Some case studies are included in order to fully understand the practical aspects of the treatment and modelling.