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Sommario/riassunto	Water is essential to our planet's life, and protecting our water resources is a prerequisite for building a sustainable future. Since water use is inextricably linked to energy use, however, we face significant challenges. Water plays an essential role in many, if not most, manufacturing facilities. In a world facing a water-scarcity crisis, much research and development currently focuses on decreasing industries' water-use footprint. This compendium volume looks briefly at several select industries and investigates various water treatment processes for each, including microbial biotechnology