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Autore	Siddiqui Samreen
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Altri autori (Persone)	BranderSusanne M
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Nota di contenuto	Chapter 1: Aquatic Toxicology and its Need -- Chapter 2: What are Pollutants, contaminants and chemicals of emerging concerns (CECs) -- Chapter 3: Presence of CECs in the environment -- Chapter 4: Classic Contaminants in aquatic ecosystem: POPs, PFAS, heavy metals, and microplastics -- Chapter 5: How to identify a model species -- Chapter 6: Computational Methods for predictive Toxicology: In Silico Toxicology -- Chapter 7: Ecotoxicological end points and Experimental Design -- Chapter 8: Partitioning of chemicals in aquatic organisms -- Chapter 9: Aquatic ecotoxicology and human health -- Chapter 10: Adverse outcome pathways and their relevance -- Chapter 11: Ecotoxicology challenges during climate change scenario.
Sommario/riassunto	This textbook offers a basic understanding of aquatic ecotoxicology from molecular to physiological levels for graduate and advanced undergraduate students. The book covers the guidelines and lab protocols used by international organizations for ecotoxicology

studies, and discusses the challenges faced by aquatic organisms in a changing climate from an ecotoxicological perspective. Readers will learn about pollutants, contaminants and chemicals of emerging concern (CECs) in aquatic environments, their impacts on environmental and human health, and what techniques can be used to curb and control their adverse impacts. The book will be useful for students in aquatic ecotoxicology, environmental pollution and marine biochemistry. .
