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Sommario/riassunto

"The remediation of contaminations of aquatic ecosystems is one of the important topics of environmental restoration that is evolving more rapidly. The contamination of water bodies stems primarily from past and present anthropogenic activities and it presently constitutes one of the greatest environmental liabilities for future generations to bear. The significant categories of contaminants usually found in the contaminated sites are halogenated organic compounds, petroleum hydrocarbons, radionuclides, metals and metalloids, pharmaceuticals drugs, microbial toxins and flame retardants. This book provides outstanding about the environmentally safe and economically feasible technologies for treatment of contaminated aquatic ecosystems. The process of remediation of containments from aqua ecosystems involves a phased approach comprising site characterization, risk assessment and remediation technology selection and application. Taking advantage of omic technologies and recent advancement in biotechnology it has become possible to develop novel transgenic plants which are highly efficient in phytoremediation."--

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