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ISBN	3-319-73257-9
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Descrizione fisica	1 online resource (332 pages) : illustrations
Collana	Applied Environmental Science and Engineering for a Sustainable Future, , 2570-2165
Disciplina	639.8
Soggetti	Water pollution Aquatic ecology Marine sciences Freshwater Biotechnology Waste Water Technology / Water Pollution Control / Water Management / Aquatic Pollution Freshwater & Marine Ecology Marine & Freshwater Sciences
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	1. Aquaculture and the Environment: Towards sustainability -- 2. Sustainable Aquaculture: Socio-Economic and Environmental Assessment -- 3. Sustainable Fishing Methods in Asia Pacific Region -- 4.Sustainable Aquafeed -- 5. Sustainable production of shrimp in Thailand -- 6. Aquaponics: A commercial niche for sustainable modern aquaculture -- 7. Aquaponics Production and Practices - a System Perspective -- 8. Estimating Carbon Footprint under an intensive aquaculture regime -- 9. Impact of Pharmaceutically Active Compounds in Marine Environment on aquaculture - 10. Waste Treatment in Recirculating Shrimp Culture Systems.
Sommario/riassunto	This book is about important relevant recent research topics in sustainable aquaculture practices. A critical assessment of the sustainable finishing methods and the aspect of sustainable

aquaculture feed is presented in this volume. A special focus has been given to socio-economic and environmental assessment of aquaculture practices and analysis of carbon footprint under an intensive aquaculture regime. Aquaponics as a niche for sustainable modern aquaculture has been highlighted. The effect of use of pharmaceuticals to prevent fish disease on the surrounding marine environment is an emerging area of concern, and a critical discussion on this aspect is included in the book. The spread of organic waste and nutrients released by fish farms to natural water bodies has raised considerable concerns. Therefore the methods to prevent their dispersion and removal (treatment) have been comprehensively covered in this book. This book is an essential read for academician, researchers, and policy makers in the field of aquaculture. .