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Nota di contenuto	Part 1 Local Biodiversity and Its Threats -- 1 Aquatic Macrophytes and Fish Diversity of Various Tropical Lakes at the Main Islands in Indonesia -- 2 Status of Freshwater Fish Biodiversity in the Yangtze River Basin, China -- 3 Freshwater Fish Diversity in Thailand and the Challenges on its Prosperity Due to River Damming -- 4 Potential Future Coral Habitats Around Japan Depend Strongly on Anthropogenic CO <sub>2</sub> Emissions -- Part 2 Advanced Methods of Biodiversity Monitoring -- 5 Classification of Seagrass Beds by Coupling Airborne Lidar Bathymetry Data and Digital Aerial Photographs -- 6 Cyanobacterial Blooms as an Indicator of Environmental Degradation In Waters and Their Monitoring Using Satellite Remote Sensing -- Part 3 Ecosystem Service and Socioeconomic Aspects with Special Reference to Biodiversity -- 7 Utilization of Freshwater Fishes Biodiversity as Income Source of Poor Rural People (Case Study in Pampangan Subdistrict of South Sumatra Province, Indonesia) -- 8 Why People Visit Zoos: An Empirical Approach Using the Travel Cost Method for the Higashiyama Zoo, Nagoya, Japan

**Sommario/riassunto**

This volume examines the topic of local biodiversity conservation in the Asia-Pacific region, one of the most rapidly changing areas in the world. With a focus on aquatic systems, this book offers insight on the state of local biodiversity, challenges in management and conservation of biodiversity, and newly developed methods for monitoring biodiversity. In addition, because the service provided by an ecosystem for humans is interlinked with conservation, the final part is dedicated to evaluating the socioeconomic aspect of ecosystem services, with special reference to local biodiversity. In effect, all contributions provide information that is invaluable for effective conservation and sustainable use of biodiversity. This work will interest all stakeholders in biodiversity conservation, including policy makers, NPOs, NGOs, environment-related industries, and biodiversity researchers, not only in the Asia-Pacific region, but also across the entire globe.