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Altri autori (Persone)	ZiglioG SiligardiMaurizio FlaimGiovanna
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Nota di contenuto	Biological Monitoring of Rivers : Applications and Perspectives; Contents; Series Preface; Preface; List of Contributors; Section 1 The River Environment; 1.1 Floodplains in River Ecosystems; 1.2 Instream and Bankside Habitat in Rivers; 1.3 Main Features of Watercourses' Hydrodynamics; 1.4 Riverine Fish Assemblages in Temperate Rivers; 1.5 Aquatic Macroinvertebrates; 1.6 Macrophytes and Algae in Running Waters; Section 2 Biological Monitoring of Rivers; 2.1 River Monitoring and Assessment Methods Based on Macroinvertebrates; 2.2 Monitoring Methods Based on Fish 2.3 Monitoring Methods Based on Algae and Macrophytes2.4 Organization of Biological Monitoring in the European Union; 2.5 Biomonitoring in North American Rivers: A Comparison of Methods Used for Benthic Macroinvertebrates in Canada and the United States;

2.6 Biological Monitoring of Rivers and European Water Legislation; 2.7 Ecotoxicological Experiments in River Pollution Assessment; Section 3 Various Experiences in Biological Monitoring; 3.1 Monitoring of Alpine Rivers: The Italian Experience; 3.2 Biological Monitoring of North European Rivers  
3.3 Biological Monitoring of Mediterranean Rivers with Special Reference to Greece  
3.4 Biological Monitoring of Running Waters in Eastern and Central European Countries (Former Communist Block); 3.5 Key Features of Bioassessment Development in the United States of America; Section 4 New Tools and Strategies for River Ecology Evaluation; 4.1 Monitoring Experiences from Downunder: The Importance of Deciding a priori What Constitutes a Significant Environmental Change; 4.2 The Predictive Modelling Approach to Biomonitoring: Taking River Quality Assessment Forward  
4.3 A New Approach to Evaluating Fluvial Functioning (FFI): Towards a Landscape Ecology  
4.4 Planning to Integrate Urban and Ecological Processes: A Case Involving Fluvial Functionality; 4.5 Beyond Biological Monitoring: An Integrated Approach; Index; Colorplate

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Sommario/riassunto

Biological monitoring of running waters is a scientifically and economically valid approach for surveys and monitoring programmes to assess the water quality. Biological Monitoring of Rivers is a timely, up-to-date book that includes a good number of practical how-to-do chapters. Up-to-date assessment of biological water monitoring  
Practical how-to-do chapters help the practitioner  
Provides a broad survey of methods used inside and outside the EU  
Gives perspectives for future applications

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