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Titolo	The biology of lakes and ponds / / Christer Bronmark, and Lars-Anders Hansson
Pubbl/distr/stampa	Oxford : , : Oxford University Press, , 2007
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Edizione	[Second edition.]
Descrizione fisica	1 online resource (352 pages) : illustrations
Collana	Biology of Habitats Biology of habitats
Altri autori (Persone)	HanssonLars-Anders
Disciplina	577.63
Soggetti	Lake ecology Limnology Pond ecology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover -- Contents -- 1 Introduction -- 2 The abiotic frame and adaptations to cope with abiotic constraints -- Introduction -- Staying afloat -- Turbulence -- Lake formation -- Temperature -- Light -- Abiotic factors affected by the catchment area -- Water colour -- Carbon -- pH -- Nutrients -- Oxygen -- Habitat permanence -- Practical experiments and observations -- 3 The organisms: the actors within the abiotic frame -- Introduction -- Viruses -- Prokaryotic organisms -- Eukaryotic organisms -- Protozoa -- Primary producers -- Metazoa-animals with differentiated cells -- Practical experiments and observations -- 4 Biotics: competition, herbivory, predation, parasitism, and symbiosis -- Introduction -- Competition -- Predation and herbivory -- Parasitism -- Symbiosis -- Practical experiments and observations -- 5 Food web interactions in freshwater ecosystems -- Introduction -- The evolution of an ecosystem approach -- Cascading trophic interactions -- Alternative stable states -- Microbial components -- Interaction strength in freshwater food chains -- Succession -- Impact of organisms on the abiotic frame -- Practical

experiments and observations -- 6 Biodiversity and environmental threats -- Introduction -- Biodiversity in lakes and ponds -- Paleolimnology as a tool to understand history -- Eutrophication -- Acidification -- Contamination -- Global climate change -- Solar ultraviolet radiation -- Combined effects of environmental hazards -- Exotic species -- Global differentiation -- Actions taken against environmental threats -- REFERENCES -- FURTHER READING -- GLOSSARY -- A -- B -- C -- D -- E -- F -- G -- H -- I -- K -- L -- M -- N -- O -- P -- R -- S -- T -- V -- Z -- INDEX -- A -- B -- C -- D -- E -- F -- G -- H -- I -- J -- K -- L -- M -- N -- O -- P -- Q -- R -- S -- T -- U -- V -- W -- X -- Z.

Sommario/riassunto

"The Biology of Lakes and Ponds", now in its second edition, is a valuable text for university tuition. Its lucid explanations and descriptions of adaptation, dominance, dispersal, and succession of organisms, as well as the effects of abiotic factors, predation, and competition, ensure its relevance and use to a broad audience of biologists and naturalists with an interest in freshwater ecology.

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Titolo

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Soggetti

Psychotherapy
 Psychotherapy - methods
 Mental Disorders - therapy
 Maladies mentales - Traitement
 Periodical
 periodicals.
 Periodicals.
 Periodiques.

Lingua di pubblicazione

Inglese

Formato

Materiale a stampa

Livello bibliografico

Periodico

