

1. Record Nr.	UNINA9910800153503321
Autore	Tundisi J. G.
Titolo	Limnology // Jose Galizia Tundisi, Takako Matsumura Tundisi
Pubbl/distr/stampa	Leiden, The Netherlands ; ; Boca Raton, Fla. : , : CRC Press/Balkema, , 2012
ISBN	1-138-07204-4 0-429-06587-6 0-203-80395-7
Descrizione fisica	1 online resource (870 p.)
Classificazione	RB 10360
Altri autori (Persone)	TundisiTakako Matsumura
Disciplina	551.48
Soggetti	Limnology - Latin America Limnology - Brazil Reservoirs - Latin America Reservoirs - Brazil
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Dedication; Acknowledgements; Foreword by Dr. Jack Talling; Foreword by Dr. Joan Armengol Bachero; Foreword by Dr. Blanca Elena Jimenez Cisneros; Foreword by Dr. Odete Rocha; Contents; 1. Limnology, definition and objective; 2. Water as a medium; 3. The origin of lakes; 4. Physical processes and circulation in lakes; 5. The chemical composition of water; 6. Organisms and communities in inland aquatic ecosystems and estuaries; 7. The dynamic ecology of aquatic plant populations and communities; 8. The dynamic ecology of aquatic animal populations and communities 9. The flow of energy in aquatic ecosystems10. Biogeochemical cycles; 11. Lakes as ecosystems; 12. Man-made reservoirs; 13. Rivers; 14. Estuaries and coastal lagoons; 15. Wetlands, temporary waters and saline lakes; 16. Regional limnology in Central and South America; 17. Regional limnology in Africa and in temperate regions; 18. Impacts on aquatic ecosystems; 19. Planning and managing of water resources; 20. Study approaches and methods: the present and future of limnology; Annex 1: Fish species in the Sao Francisco river; Annex 2: Species of catfish in Amazonia

Annex 3: Species of the upper Parana classified by reproductive strategies; Annex 4: Taxonomic groups of aquatic invertebrates found in Brazil and the state of Sao Paulo; Annex 5; Annex 6: Processes of sampling and programme for water quality management in reservoirs; Appendix 1: Conversion table for units; Appendix 2: Time scale of geological periods; References; Color plates

Sommario/riassunto

Limnology provides an in-depth and current overview of the field of limnology. The result of a major tour de force by two renowned and experienced experts, this unique and richly illustrated reference presents a wealth of data on limnology history, water as a substrate, lakes' origins and aquatic biota. Besides a general part, it gives special focus to neotropical limnology, prevalently applicable in countries in the Southern Hemisphere. Starting with the essentials, some definitions and a historical account, this volume then details the main interaction mechanisms with physical and chemical fa
