



Hypertrophic Ecosystems : S.I. L. Workshop on Hypertrophic Ecosystems held at Väckjö, September 10-14, 1979 /

Barica, J. (
Jan)

Springer Netherlands,
1980

Electronic books

Monografía

<https://rebiunoda.pro.baratznet.cloud:38443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMjlxOTk1MjQ>

Título: Hypertrophic Ecosystems S.I.L. Workshop on Hypertrophic Ecosystems held at Väckjö, September 10-14, 1979 edited by Jan Barica, Luuc R. Mur

Editorial: Dordrecht Springer Netherlands 1980

Descripción física: 1 online resource (330 pages)

Mención de serie: Developments in Hydrobiology 2

Contenido: Session 1: Definition, characterization and causes of hypertrophy -- The summer limnology of Lake Waahi, New Zealand -- Identification of different phosphorous forms and their role in the eutrophication process of Lake Balaton -- Metalimnetic gradient and phosphorus loss from the epilimnion in stratified eutrophic lakes -- The influence of sediments on changed phosphorus loading to hypertrophic L. Glumsø -- The cyanobacterium *Microcystis aeruginosa* kg. and the nitrogen cycle of the hypertrophic Lake Brielle (The Netherlands) -- Comparison of hypertrophy on a seasonal scale in Dutch inland waters -- Control of undesirable algae and induction of algal successions in hypertrophic lake ecosystems -- Occurrence of *Oscillatoria agardhii* and some related species, a survey -- The influence of periodicity in light conditions, as determined by the trophic state of the water, on the growth of the green algae *Scenedesmus protruberans* and the cyanobacterium *Oscillatoria agardhii* -- The role of microlayers in controlling phytoplankton productivity -- Short-term load-response relationships in shallow, polluted lakes -- The importance of trophic-level interactions to the abundance and species composition of algae in lakes -- Vegetation changes in the nutrient-rich shallow Lake Hjälstaviken -- N₂-fixing cyanobacteria; why they do not become dominant in Dutch, hypertrophic lakes -- Session 2: Stability of hypertrophic ecosystems and causes of hypertrophy -- Nitrate overdose: effects and consequences -- A chemical model to describe nutrient dynamics in lakes -- Changes in the respiration and anaerobic nutrient regeneration during the transition phase of

reservoir development -- Modelling carbon and phosphorus in a small hypertrophic North German lake -- An algal bloom model as a tool to simulate management measures -- Phosphorus stability in a hypereutrophic lake -- Structural and functional quantification in a series of Hungarian hypertrophic shallow lakes -- Muddy odour in fish from hypertrophic waters -- The importance of hydrologic factors on the relative eutrophic impacts of point and non-point pollution in a reservoir -- Environmental constraints on *Anabaena* N₂- and CO₂-fixation: effects of hyperoxia and phosphate depletion on blooms and chemostat cultures -- Toxicity fluctuations and factors determining them -- Stability and multiple steady states of hypereutrophic ecosystems -- Session 3: Foodchain properties, productivity and utilization of hypertrophic ecosystems -- On the role of soil in the maintenance of fish ponds' fertility -- Fish as a factor controlling water quality in ponds -- The role of fishery management in counteracting eutrophication -- Fish production in some hypertrophic ecosystems in South India -- Session

Copyright/Depósito Legal: 968913543

ISBN: 9789400992030 electronic bk.) 9400992033 electronic bk.) 9789400992054 print) 940099205X print)

Materia: Life sciences Aquatic biology Aquatic biology Life sciences

Autores: Mur, L. R. (Luuc R.)

Enlace a formato físico adicional: Printed edition 9789400992054

Punto acceso adicional serie-Título: Developments in hydrobiology 2

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es