The institute and its scientific board		V
The st	aff and field of work	VI
1.	INTRODUCTION	1
 2.1 2.2 2.3 2.4 	RESERVOIRS Dissolved and dispersed substances in reservoir water (Slapy and Římov) Microbial characteristics, chlorophyll and zooplankton biomass of the reservoirs Slapy and Římov Metabolic activity of major bacterial groups in the Římov reservoir Top-down and bottom-up factors controlling bacterial community composition	9 9 10 11
2.5	and dynamics in different parts of a eutrophic canyon-shaped reservoir Transparency, pH and cyanobacterial density in the last five years in the Slapy reservoir Reservoir ageing and coherent changes in Daphnia phenotypic and genotypic	11 13
2.7 2.8 2.9 2.10	characteristics Fish stock composition in the Římov reservoir in 2004 The tributary zone as a key factor for fish stock development in reservoirs Diet and distribution of 0+ fish within the Římov reservoir in late summer Ontogenetic changes in the bathypelagic layer of perch fry (<i>Perca fluviatilis</i> L.) monitored by hydroacoustic methods	15 16 16 17 18
3. 3.1	LAKES Response of alpine lakes and soils to changes in acid deposition: the MAGIC model applied to the Tatra Mountain region. Slovakia-Poland	21
3.2 3.3	Sulphur and nitrogen emissions in the Czech Republic and Slovakia from 1850 till 2000 Nutrient cycling in a strongly acidified mesotrophic lake	21 21 22
3.4 3.5	Primary production and microbial activity in the euphotic zone of Lake Baikal in 2003 and 2004 Estimation of bacterial extracellular phosphatase activity at the single-cell	23
3.6	Protozooplankton APP- feeding in a deep monomictic saline lake in a semi- desert area	27
4. 4.1	SPECIAL INVESTIGATIONS Stable morphospecies within the 16S rRNA monophyletic genus <i>Microcystis</i> (Kützing) Kützing The relationship between morphological and molecular features of planktic	29 29
	and benthic genera from the family Nostocales	32

PUBLICATIONS

CONTENTS