

Content / Obsah

Awards / Ocenění	6 / 7
Director's preface / Úvod ředitele ústavu	8 / 9
Departments / Oddělení	12 / 13
Department of Hydrochemistry and Ecosystem Modelling	12
Oddělení hydrochemie a ekosystémového modelování	13
Department of Aquatic Microbial Ecology	16
Oddělení mikrobiální ekologie vody	17
Department of Fish and Zooplankton Ecology	22
Oddělení ekologie ryb a zooplanktonu	23
Current Research Highlights / Shrnutí nejdůležitějších projektů	28
Bioactive cyanobacterial lipopeptides:	
genome mining, detection, and structure-activity relationships	28
Phosphorus dynamics in unmanaged terrestrial ecosystems:	
Links with nitrogen and carbon cycling.	29
Co-creating a decision support framework to ensure sustainable fish production in Europe under climate change (ClimeFish)	30
Recent Research Outputs / Vybrané výsledky	32
Toxic potential, evolution of toxin synthesis, and factors driving anatoxin-a production in benthic and soil nostocacean cyanobacteria	32
Disentangling the effects of changing environmental chemistry and climate on biogeochemistry and biodiversity of natural alpine soils and waters	33
The effect of natural dieback of mountain spruce forest on microclimate, chemistry, and bio-diversity of terrestrial and aquatic ecosystems	34
Monitoring of cryptic species having indicative value using harmless sampling methods	37
Monitoring indikačních, krypticky žijících druhů ryb šetrnými metodami	38
Data and Statistics	40
Regular monitoring of the reservoirs Slapy and Římov: dissolved and dispersed substances in reservoir water	40
Regular monitoring of the reservoirs Slapy and Římov: microbial characteristics, chlorophyll and zooplankton	41
Projects	42
Students' theses finished in 2016	44
Publications	45