

# Content / Obsah

<b>Director's preface / Úvod ředitele ústavu</b>	<b>6 / 7</b>
<b>Departments / Oddělení</b>	<b>10 / 11</b>
Department of Hydrochemistry and Ecosystem Modelling	10
Oddělení hydrochemie a ekosystémového modelování	11
Department of Aquatic Microbial Ecology	14
Oddělení mikrobiální ekologie vody	15
Department of Fish and Zooplankton Ecology	20
Oddělení ekologie ryb a zooplanktonu	21
<b>Current Research Highlights / Shrnutí nejdůležitějších projektů</b>	<b>26</b>
The effect of natural dieback of mountain spruce forest on microclimate, chemistry, and biodiversity of terrestrial and aquatic ecosystems	26
Centre for Ecological Potential of Fish Communities in Reservoirs and Lakes (CEKOPOT)	27
Disentangling the effects of changing environmental chemistry and climate on biogeochemistry and biodiversity of natural alpine soils and waters	28
Structuring effect of submerged macrophytes on trophic relationships and distribution of fish in deep lakes (MacFish)	29
<b>Recent Research Outputs / Vybrané výsledky</b>	<b>31</b>
Effects of solar radiation on biogeochemical cycling of nutrients and metals in surface waters	31
Get out! She signalized: sex segregation of freshwater fish	32
Methodology of ecological potential assessment in heavily modified and artificial water bodies – "lake"category	33
<b>Data and Statistics</b>	<b>36</b>
Regular monitoring of the reservoirs Slapy and Římov: dissolved and dispersed substances in reservoir water	36
Regular monitoring of the reservoirs Slapy and Římov: microbial characteristics, chlorophyll and zooplankton	37
Projects	38
Students' theses finished in 2014	40
Publications	41