

## **MANAGEMENT OF A LARGE RIVER IN A CHANGING ENVIRONMENT**

### **1-Correcting the mistakes from the past – remediation of riparian areas on the Danube floodplain between Neuburg and Ingolstadt (Bavaria/Germany)**

B. Cyffka

### **2-Optima Lobau: The use of an interdisciplinary indicator set and a multi-criteria analysis to evaluate future scenarios of the floodplain Lobau, Austria**

T. Hein, I. Baart, A.P. Blaschke, G. Haidvogl, S. Hohensinner, S. Preiner, W. Reckendorfer, K. Reiter, B. Schuh, G. Weigelhofer

### **3-The state of the art of the Water Framework Directive implementation in Serbia – typology and type specific reference conditions**

M. Paunovic, M. Milovanovic, V. Simic, D. Ninkovic, B. Stojanovic, A. Petrovic, P. Cakic, M. Babic-Mladenovic, J. Ignjatovic

### **4-A conservation programme for sterlet (*Acipenser ruthenus*) in the Bavarian Upper Danube River in Germany**

R. Reinartz

### **5-Master Plan - support for sustainable development in Danube Delta Biosphere Reserve / Tulcea county (Romania) Logical Framework Analyse (LFA)**

R. Stiuca, I. Nichersu

### **6-Is water pollution a threat to native fish populations along the Danube River section bordering between Croatia and Serbia & Montenegro?**

I. Teodorović, I. Planojević, V. Mihajlović, L. Galamboš

### **7-The Floodplain Index – a new approach for assessing the ecological status of river/floodplain systems according to the EU Water Framework Directive**

J. Waringer, A. Chovanec, M. Straif, W. Graf, W. Reckendorfer, A. Waringer-Löschenkohl, H. Waibacher, H. Schultz

## **THE ROLE OF MACROPHYTES IN LARGE RIVERS**

### **8-Analysis of the spatial distribution and historical development of aquatic neophytes in the floodplain Lobau: first results**

I. Baart, G. Haidvogl, S. Hohensinner, G. Janauer, S. Preiner, T. Hein

### **9-The influence of anthropogenic factors on the structure of aquatic vegetation in the Hurbanovský canal (South Slovakia)**

C. Dorotovičová, H. Otáheľová

### **10-Breg and Brigach, source streams of the Danube: changes based on macrophyte surveys 1967, 1989, and 2004**

G.A. Janauer, E. Lanz, P. Filzmoser, N. Exler

**11-Waterplants in the New Danube. The Influence of Floods on the Spectrum of Species**

G.A. Janauer, U. Wychera, U. Humpesch

**12-Aquatic fern communities at Apatinski Rit and Monostorski Rit wetland areas (Danube, Serbia)**

B. Panjković, M. Vučković, V. Stojšić, S. Radulović

**13-*Elodea nuttallii* – a competitive hydrophyte in the Romanian Danube river corridors**

A. Sârbu, D. Smarandache, G. Janauer, G. Pascale

**14-Man-made near-natural structures offer new habitats to macrophytes, as well as fish, in the Austrian Danube (Vienna, hydro-power plant Freudeneau)**

B. Schmidt, M. Straif, H. Waibacher, G.A. Janauer

**15-Macrophytes and the predicted effect of changed flow conditions in a Danube floodplain restoration area in Linz (Upper Austria)**

V. Strausz, G.A. Janauer

**16-Conservationally important macrophytes in the Bulgarian stretch of the Danube river and the near water bodies**

V. Valchev, V. Georgiev, D. Ivanova, G. Janauer

**17-Rare and protected aquatic macrophyte species along the Danube River in Serbia**

D. Vukov, R. Igić, Lj. Vapa, G.A. Janauer

**CHALLENGES IN FISH ECOLOGY IN LARGE RIVERS**

**18-Longitudinal patterns of the fish assemblages in the Mosoni-Danube, Hungary**

G. Guti

**19-Research on the changes of some physiological parameters in several fish species under the action of the thiametoxame insecticide**

Al.G. Marinescu, O. Drăghici, C. Ponepal, A. Păunescu

**20-The use of fish macrophage aggregates of fish liver in pollution monitoring**

M. Matavulj, V. Rajkovic, L. Somer, I. Koledin

**21-The results of analyses of the diet composition of sterlet (*Acipenser ruthenus* L.) in the Danube River (km 1163-1173)**

M. Paunovic, P. Cakic, B. Stojanovic, D. Jakovcev-Todorovic, V. Djikanovic, S. Milosevic

**22-Changes in the fish stock in the lower flow of the Tisa River in the period 2001-2005**

A. Petrovic-Gegic, S. Podunavac, M. Rozsa-Sipos, K. Sabo, B. Ferenc, F. Illes

**23-Food patterns of *Neogobius* (Perciformes: Gobiidae) species within the longitudinal profile of the Danube River**

M. Polačik, M. Ondračková, Z. Adámek, T. Trichkova, M. Vassilev, E. Nyklová, J. Sychra

**24-Danufishbase – a biological database for fish in the Danube river basin**

N. Schotzko, B. Sasano, A. Jagsch

**25-Ichtyofauna of the upper course of Kolubara River and its tributaries**

P. Simonović, T. Karan-Žnidaršić, V. Nikolić

**THE ROLE OF ALGAE IN LARGE RIVERS**

**26-Carbon and nitrogen cycling in complex floodplain landscapes**

E. Bondar, G. Pinay, S. Preiner, F. Schiemer, T. Hein

**27-Survey of quantitative phytoplankton investigations from the common Bulgarian-Romanian stretch of the Lower Danube River**

R. Kalchev, M. Beshkova, R. Musa

**28-Similarity and dissimilarity of the phytoplankton composition in the Danube River at medium and very low water level conditions during summer**

K.T. Kiss, É. Ács, K. Szabó, B. Tóth, Á.K Kiss

**29-Diversity and Seasonal Dynamics of the Desmid Community in the Qualitative Sense on Vojvodina Segment of the Danube Basin**

M. Stamenković, M. Cvijan

**30-Euglenophyta of the Danube River in Serbia**

G. Subakov-Simić, V. Karadžić, E. Maljević

**INVERTEBRATES: KEY RIVERINE COMMUNITY AND BIOINDICATORS**

**31-Mussel fauna (Corbiculidae, Dreissenidae, Sphaeriidae) in the water system of the Hungarian Danube**

E. Bódis, J. Nosek, N. Oertel

**32-The ecological developement of the Iron Gate I reservoir**

Gh. Brezeanu, O. Cioboiu

**33-A contribution to the knowledge on the parasites of the starlet (*Acipenser ruthenus* L.)**

P. Cakić, V. Đikanović, M. Lenhardt, J. Kolarević, M. Paunović, B. Stojanović, Z. Kulišić

**34-Diversity of the Gastropods along the lower sector of the Danube and its neighbouring areas**

O. Cioboiu

**35-Freshwater sponges (Spongillidae) of Danube floodplain waters (National Park Donau-Auen, Austria)**

I. Dröscher, J. Waringer

**36-The Danube River - biodiversity and habitat assessment based on Trichoptera assemblages and the Floodplain Index**

W. Graf, J. Waringer, P. Wenzel, A. Chovanec, O. Moog

**37-Epi- and endobionts of Ostracoda (Crustacea) in some parts of Danube basin in Serbia**

T. Karan-Žnidaršić, V. Nikolić, G. Subakov Simić, B. Petrov

**38-Cladocera, Ostracoda and Copepoda assemblages in different side arms of the Danube in Gemenc floodplain (Danube-Dráva National Park, Hungary)**

A. Kiss

**39-Comparative evaluation of invertebrates macrofauna from Kyliya Danube delta**

A.Lyashenko, K. Zorina-Sakharova, V. Makovskiy

**40-Macrozoobenthos of the River Sava and its tributaries in Belgrade region, Serbia, in the year 2004**

V. Martinovic-Vitanovic, S. Obradovic, V. Kalafatic

**41-The study of the bottom fauna from the lower section of the Sava River in Belgrade region**

V. Martinovic-Vitanovic, S. Obradovic, V. Kalafatic

**42-The comparative study of potamobenthos communities of the River Danube in Belgrade region (1192-1126 r-km) and its course through Serbia (1252-864 r-km)**

V. Martinovic-Vitanovic, S. Obradovic, V. Kalafatic

**43-Macroinvertebrate studies at the Hungarian reach of the River Danube**

N. Oertel, J. Nosek

**44-Comparative analysis of biotic indices based on macroinvertebrate communities**

N. Oertel, J. Nosek

**45-Occurrence of metazoan parasites in *Neogobius kessleri* and *Neogobius melanostomus* in longitudinal profile of the Danube River**

M. Ondračková, K. Francová, M. Polačik, P. Jurajda

**46-The Zoobenthic Structure from Vâlsan River, the Tributary of Argeș, in the Sector Alunu-Mușetești, in the Conditions of Year 2003**

A.M. Vlăduțu

**47-Distribution patterns and habitat characterisation of aquatic Mollusca in the Weidlingbach, a fourth order tributary of the Danube near Vienna, Austria**

A. Zieritz, J. Waringer

**48-Plankton structure in Musura Bay (Danube-Black Sea system) in the conditions of year 2005**

V. Zinevici, D. Ionica, L. Parpala, R. Musa, C. Sandu

**49-Saprobiological evaluation of water of the Južna Morava River (second order tributary of the Danube, Serbia and Montenegro) using macrozoobenthos as bioindicator**

I. Živić, Z. Marković

## **MISCELLANEOUS**

**50-Genesis and typology of riparian and fluvial landforms of the Kopački Rit within the Danube floodplain corridor in Croatia and Serbia**

U. Schwarz

## **MICROBIAL COMMUNITIES IN LARGE RIVERS**

**51-Some bacterial parameters in the Danube stretch near the Cernavodă nuclear-electrical power plant**

I.Ş. Mirela, I. Doina

**52-Microbiological Study of the Nature Reserve “Gornje Podunavlje”(the Upper Danube Basin) Monoštorski rit (Monostor Marsh)**

J. Simeunović, A. Barši, J. Barbir, P. Knežević, O. Petrović

## **WATER QUALITY ASPECTS: NUTRIENTS AND TOXIC SUBSTANCES**

**53-Development of standard procedure for biological monitoring of status of Danube basin water bodies in Ukraine**

S.A. Afanasyev, A.V. Lyashenko

**54-Vertical differences in physical and chemical parameters of the water in three side arms at Gemenc floodplain (Danube-Drava National Park) depending on the Danube water level fluctuation**

M. Dinka

**55-The assessment of nutrient availability for the growth of freshwater green algae *Chlorella kessleri* by bioassay (Lake Sakadaš, Nature Park Kopački Rit)**

J. Horvatić, V. Peršić, Ž Popović

**56-Heavy metals content in aquatic macrophytes in Slovak rivers and lakes**

G. Jamnická, R. Hrvnák, H. O'aheľová, M. Skoršepa, M. Valachovič

**57-Heavy metal contents in Danube river at Belgrad**

A. Miletic, E. Maljevic

**58-Eutrophication impacts to the Black Sea Coast and some aspects about the littoral biodiversity situation**

A. Morariu, V. Schroder

**59-Data analysis of groundwater for drinking water use in an urban floodplain area, the Lobau in Vienna**

D. Orlikowski, G. Weigelhofer, T. Hein

**60-The Ecological and Chemical Situation of Danube River – Development and Present Status**

W. Rodinger

**61-The physical and chemical characteristics of Danube water quality near Kovin in Vojvodina**

S. Stankovic

**62-Spatial and temporal changes in the benthic organic matter at the depositive and erosive zones of the Hungarian Danube**

B. Tóth, J. Nosek, N. Oertel

**63-The analysis of the main perturbing factors and the physical-chemical description of the Vâlsan hydrographic basin, in the conditions of year 2005**

A.M. Vlăduțu, C.M. Dobrescu, G. Bratu

**64-Long term investigations on hydrochemistry and hydrobiology of flooded gravel pits in the Marchfeld- region, Lower Austria**

G. Weninger