

## Posters listed by session & topic

### Tuesday poster sessions

1a (odd poster numbers, authors by posters: Tuesday 14.50-15.50)

& 1b (even poster numbers, authors by posters: Tuesday 16.10-17.10)

#### Microbial systems

- P 1.** *Roberto Bertoni, Esteban Balseiro, Claudia Queimaliños, Beatriz Modenutti & Cristiana Callieri*  
Fractionated primary production in ultraoligotrophic lakes exposed to high UVR and PAR
- P 2.** *Wojciech D. Marchlik, Aleksander Świątecki, Dorota Górniak & Konrad Stawecki*  
Microbiological production dynamics in heated Konin lakes
- P 3.** *Tomasz Adamczewski & Ryszard Chróst*  
Bacterial organic carbon demand – Relationship between dissolved organic carbon (DOC) utilization and [<sup>3</sup>H]Thymidine incorporation rates in lake water
- P 4.** *Waldemar Siuda*  
Urea and urease activity in lakes of different trophic status
- P 5.** *Thomas Deforet, Dominique Rieffel, Richard Guillemard, Nadia Crini & Daniel Gilbert*  
Hydrological, biochemical and microbial dynamics in the interstitial water of a gravel bar in the Doubs River (France)
- P 6.** *Elżbieta Szelaż-Wasielewska*  
Phytoplankton community structure with particular reference to autotrophic picoplankton in a small and shallow lake
- P 7.** *Georg Rode, Christiane Baschien, Uta Böckelmann & Ulrich Szewzyk*  
Freshwater bacteria in the hyphasphere
- P 8.** *Dana Peřtová, María Elena Martínez Pérez & Miroslav Macek*  
Peritrichs' feeding on picophytoplankton in high altitude monomictic lakes
- P 9.** *Sebastian Eixler, Heiner Bungarz, Angela Krueger & Hans-Peter Grossart*  
Do biological parameters affect aggregation and sediment transport in a lowland river-lake system (Spree, Germany)?

#### Invertebrate biology

- P 10.** *Valentina Di Vito, Luciana Mastrantuono, Emiliano Agrillo & Laura Casella*  
Invertebrate fauna, aquatic vegetation and physico-chemical characteristics of a lotic-lentic system in a Natural Reserve (Lake Fibreno, Italy)
- P 11.** *Natalia Kuczyńska-Kippen & Barbara Nagengast*  
The impact of the differentiated macrophyte habitat on the structure of zooplankton communities
- P 12.** *Andres Mellado, Maria Luisa Suárez & Chary Vidal-Abarca*  
Biological traits of macroinvertebrate communities from a semi-arid catchment: patterns along complex environmental gradients
- P 13.** *Linda Grapci-Kotori, Esad Dauti & Orhan Goga*  
Standing crop biomass and the trophic structure of the macrozoobenthos in the flow of the River Drini i Bardhe
- P 14.** *Claudia Vendetti & Luciana Mastrantuono*  
The invertebrate community associated with plant substrate in Lake Bracciano (Central Italy): short-term modifications occurred after recent environmental changes (1998-2003)
- P 15.** *Giampaolo Rossetti, Pierluigi Viaroli & Ireneo Ferrari*  
Two-year study of the seasonal dynamics of the zooplankton of the Po River in relation to hydrological and hydrochemical conditions
- P 16.** *Rainer Poepperl, Tania Schellenberg, Wolfgang Riss & H. Elisabeth Irmgard Meyer*  
Structure of macroinvertebrate assemblages in a drying prealpine river
- P 17.** *Tiziano Bo & Stefano Fenoglio*  
The importance of interstitial habitats for benthic macroinvertebrates: a study in Piemonte (NW Italy)
- P 18.** *Gorazd Urbanič & Mihael J. Toman*  
Microhabitat type selection of caddisfly larvae (Insecta: Trichoptera) in a shallow lowland stream
- P 19.** *Agnija Skuja*

Caddisfly (Trichoptera) community structure in the lithal microhabitats of the streams in Latvia

**P 20. Agnieszka Pocięcha**

Effect of temperature on respiration of *Branchinecta gaini* (Daday, 1910)

**P 21. Stefano Fenoglio & Tiziano Bo**

Trophic characterization of *Perloides microcephalus* (Pictet, 1833) (Plecoptera, Perlodidae) in a small Apennine creek (NW Italy)

**P 22. Anne-Laure Borderelle, Valérie Verneaux, Daniel Gerdeaux & Stéphanie Nicopoulos**

Assessment of the trophic functioning of five French lakes on the macroinvertebrate communities analyzed by two approaches: the Lake Biotic Index and the carbon isotope ratios.

**P 23. Iga Lewin & Adam Smoliński**

Changes in the structure of mollusc communities in the littoral of Lake Paprocańskie resulting from anthropogenic pressures (The Oświęcimská Valley, Southern Poland)

**P 24. Marcello Bazzanti & Valentina Della Bella**

Taxonomic composition and functional organization of macroinvertebrate communities of temporary and permanent ponds in Central Italy: relationships with biotope permanence and mesohabitat features

**P 25. Magdalena Bowszys & Ewa Hirsz**

Diel changes in the horizontal distribution of planktonic crustaceans between emergent macrophytes, charophytes beds and open water in the littoral of a shallow lake

### **Invasive species**

**P 26. Melinda Bence & Ilona B. Muskó**

Occurrence of a new Ponto-Caspian species, *Cordylophora caspia* (Hydrozoa: Clavidae) in Lake Balaton (Hungary)

**P 27. Ozcan Gaygusuz, Ali Serhan Tarkan, Hasan Acipinar, Cigdem Gursoy & Mufit Ozulug**

A new powerful invader, Prussian carp *Carassius gibelio* (Bloch, 1782), in Turkish waters

**P 28. Kai Korsu, Timo Muotka & Ari Huusko**

Does the introduced brook trout (*Salvelinus fontinalis*) exclude the native brown trout (*Salmo trutta*) in North European streams?

**P 29. Andrzej Kołodziejczyk**

The invasive snail, *Lithoglyphus naticoides* (C. Pfeiffer, 1828), in Lake Mikołajskie (NE Poland)

**P 30. Ivona Uvirová, Vladimír Uvirá & Evžen Tošenovský**

Dynamics of the *Dreissena polymorpha* population during the invasion in the Poděbrady sandpit near Olomouc (Moravia, Czech Republic)

**P 31. Tomasz Kakareko, Małgorzata Poznańska & Jarosław Żytkowicz**

Habitat preferences of racer goby *Neogobius gymnotrachelus* in shallow waters of the Włocławek Reservoir (Vistula River, Poland)

### **Extreme habitats**

**P 32. Ladislav Havel, Petr Vlasák, Pavel Jurajda, Zdeněk Adámek & Anna Frančeoová**

Nutrients, phytoplankton, zooplankton and fish stock development during flooding of the Chabařovice residual mining pit

**P 33. Petr Vlasák, Ladislav Havel & Ladislav Kašpárek**

Flooding - the way of residual mining pit reclamation in Northwest Bohemia (Czech Republic)

### **Bioindication**

**P 34. Csilla Kovács, Maria Kahlert & Judit Padisák**

Benthic diatom communities along pH and TP gradients in Hungarian and Swedish streams

**P 35. Dénes Gó, Csaba Deák, Éva Varga, István Gyulai & Gyula Lakatos**

Ecological state of Kerka stream in Hungary and Slovenia

**P 36. M. Rosario Vidal-Abarca, Andres Mellado, M.M. Sanchez-Montoya & M.L. Suárez**

Establishing reference conditions in streams from a semi-arid region (Segura river basin, SE Spain). Methods, limitations and preliminary results facing the Water Framework Directive

**P 37. Eva Papastergiadou, Skevi Manolaki & Chrysoula Christia**

Macrophytes as biological indicators of Greek lakes. Application of TRS index to assess water quality

**P 38. Pertti Eloranta & Janina Kwadrans**

Biological recovery from acidification in Finnish headwater lakes indicated by littoral diatoms

**P 39. Izabela Czerniawska-Kusza**

An evaluation of the water quality of the Nysa Kłodzka river system using a new biological method based on macroinvertebrates

**P 40. Janina Kwandrans & Agata Wojtal**

The relevance of benthic diatoms as indicators of ecological status

**P 41. Laura Marziali, Bruno Rossaro & Valeria Lencioni**

Pupal characters of Chironominae (Diptera: Chironomidae) as tools in biomonitoring

## **Phytoplankton**

**P 42. Barbara Nagengast, Natalia Kuczyńska-Kippen & Tadeusz Sobczyński**

The physico-chemical characteristics of *Chara tomentosa* and *Typha angustifolia* habitats in three shallow lakes of Wielkopolska region, Poland

**P 43. Yosef Z. Yacobi & Assaf Sukenik**

Seasonal and spatial variability of fatty acids and pigment composition of natural populations of the dinoflagellate *Peridinium gatunense*

**P 44. Claudia Feijoó, Rafael Marcé, Enrique Navarro, Jaime Ordoñez & Joan Armengol**

Diel variation of chlorophyll-a profiles along the main axis of a canyon-type reservoir (Sau Reservoir, NE Spain)

**P 45. Elżbieta Wilk-Woźniak, Harold G. Marshall & Lubomira Burchardt**

A 24-hour study of sub-surface phytoplankton and autotrophic picoplankton from a small retention pond in southeastern Virginia, U.S.A.

**P 46. Giuseppe Morabito, Gaetano Galanti & Alessandro Oggioni**

Reconstruction of the seasonal dynamics of a shallow lake (L. Candia, North-Western Italy) from the analysis of the short scale temporal and spatial variability: first results

**P 47. Karolina Stefaniak, Mikołaj Kokociński, Joanna Mankiewicz & Tomasz Jurczak**

Influence of permanent blooms of toxic *Planktothrix agardhii* (Gom.) Anagn. et Kom. on the phytoplankton diversity in Lake Bnińskie (Wielkopolska region, Poland)

**P 48. Luciano Caputo, David Balayla & Montserrat Bacardit**

Groundwater influences on the distribution of plankton communities in a karstic lake (Lake Banyoles, Girona, Spain)

**P 49. Elżbieta Wilk-Woźniak & Sławomir Ligęza**

Variability of the green-alga *Desmodesmus* in water bodies of different trophic states

**P 50. Olga Babanazarova**

The structure of the phytoplankton in the shallow highly eutrophic Lake Nero according to the functional classification of freshwater phytoplankton

**P 51. Beata Messyasz, Andreas Lücke & Gerhard H. Schleser**

Comparison of the spring and summer phytoplankton assemblages in stratified Lake Holzmaar (Germany) in different years

**P 52. Agnieszka Pasztaleniec, Władysława Wojciechowska, Marek Turczyński & Jarosław Dawidek**

Phytoplankton of river lakes in relation to flooding by the Bug River (Eastern Poland)

## Friday poster sessions

**2a (odd poster numbers, authors by posters: Friday 12.40-13.40)  
& 2b (even poster numbers, authors by posters: Friday 14.00-15.00)**

### Global change

- P 53.** *Irina Bergström, Suvi Mäkelä, Paula Kankaala & Pirkko Kortelainen*  
Regional assessment of methane emissions from vegetated lake littorals
- P 54.** *Barbara Kawecka*  
Diatom communities in streams of the alpine zone of the Tatra Mountains (Poland)

### Biodiversity

- P 55.** *István Gyulai, János Korponai, Dénes Gó, Éva Varga & Gyula Lakatos*  
Pilot study on cladocera remains in Keszthely bay (Lake Balaton, Hungary)
- P 56.** *Marco Cantonati, Nicola Angeli, Ermanno Bertuzzi, Morena Lazzara, Daniel Spitale, Graziano Guella & Oss Cazzador Pino*  
The CRENOTAT Project (Biodiversity assessment and integrity evaluation of springs of Trentino - Italian Alps - and long-term ecological research)
- P 57.** *Valeria Lencioni, Bruno Maiolini, Laura Marziali, Roberta Raschioni & Bruno Rossaro*  
Spatial and temporal variability of macroinvertebrate biodiversity in a glacial flood plain (Italian Alps)
- P 58.** *Annemie Pals, Koenraad Muylaert & Jozef Van Assche*  
Ecology of desmids in Belgian softwater lakes
- P 59.** *Andrzej Pukacz, Mariusz Pełechaty & Aleksandra Pełechata*  
Macrophytic vegetation and physico-chemical properties of water in lakes of different mixing regime
- P 60.** *Bożena Kiziewicz*  
Aquatic fungi and zoosporic fungus-like organisms isolated from Lake Wigry (NE Poland) using the amphipods *Gammarus pulex* L. as bait
- P 61.** *Janusz Żbikowski*  
Taxonomic composition and Chironomidae larvae abundance in extralittoral zone of shallow, eutrophic lakes
- P 62.** *Christophe Laplace-Treytore*  
The dynamic of macro-algae populations in large rivers: an application in the Dordogne and Garonne rivers, 2001-2004
- P 63.** *Éva Varga, Ilona B. Muskó, Péter Á. Tóth, Dénes Gó & Gyula Lakatos*  
Spatial and temporal changes in epilithon of Lake Balaton in Hungary

### Food web interactions

- P 64.** *Susanne Rolinski, Thomas Petzoldt, Karsten Rinke, Marie König, Helmut Baumert & Jürgen Benndorf*  
Short-term ecological dynamics: field and modeling studies of reservoir food webs
- P 65.** *Dorel Ureche, Mircea Nicoara & Camelia Ureche*  
Comparative analysis of food components in fish populations from the River Oituz (Romania)
- P 66.** *Andreea Nicoara & Mircea Nicoara*  
Food during breeding period in populations of *Bufo viridis*, *Pelobates fuscus* and *Rana esculenta* complex from the River Ciric basin (Romania)
- P 67.** *Mircea Nicoara, Dorel Ureche & Camelia Ureche*  
Macroinvertebrates as food resources for fish populations in the River Casin (Romania)
- P 68.** *Jaana Salujõe, Erik Jeppesen, Jochen Vandekerkhove, Luc De Meester & José-Maria Condé Porcuna*  
Past predation by fish and invertebrates: a study of selected cladoceran remains in surface sediment of lakes from three climate zones in Europe
- P 69.** *Heike Zimmermann-Timm & Alois Herzig*  
Small versus large or simple versus complex - seasonal changes in the food web structure in shallow alkaline pans

- P 70.** *Ryszard Goldyn, Elżbieta Szelaż-Wasielewska, Halina Szyper & Janusz Fyda*  
Structure of the summer plankton community in the pelagial of an artificial reservoir

### Life histories

- P 71.** *Małgorzata Grzesiuk*  
Salinity effect on *Daphnia*: life history and molecular response
- P 72.** *Anna Bednarska*  
Phenotypic plasticity of *Daphnia* filter screen morphology in response to the filamentous cyanobacteria

### Running waters

- P 73.** *Blanka Desortová*  
Dynamics of phytoplankton biomass and flow rates in rivers of the Elbe River catchment
- P 74.** *Y-S. Park, A. Lunaci & Sithan Lek-Ang*  
Patterning spatial distribution of macroinvertebrates in an Algerian river using a self-organising map
- P 75.** *Vladimír Uvíra & Ivona Uvírová*  
Influence of the seasonal occurrence of submerged macrophytes on the distribution of macrozoobenthos in a submontane stream
- P 76.** *Bartłomiej Wyżga & Joanna Zawiejska*  
Amounts and storage patterns of large woody debris in a wide mountain river: case study of the Czarny Dunajec, southern Poland
- P 77.** *Maria Leichtfried & Weliange Wasantha Sena*  
Limnological investigations on the Tubod River, Leyte, Philippines: from Rain Forest Mountains to the Pacific Ocean
- P 78.** *Joanna Żelazna-Wieczorek & Maciej Ziulkiewicz*  
Diatom flora in limnocrenic spring near Łódź (Central Poland)
- P 79.** *Krzysztof Szoszkiewicz & Francis Hugh Dawson*  
Response of river macrophyte communities to different types of perturbation
- P 80.** *Victoria García-García, C. Dominguez, R. Gómez, J.F. Calvo, M.R. Vidal-Abarca & M.L. Suárez*  
Marls: source of nitrate in a semi-arid Mediterranean stream
- P 81.** *Elżbieta Dumnicka, Joanna Galas & Paweł Koperski*  
Multivariate analyses of the benthic fauna in springs situated on limestone substratum
- P 82.** *Jane Kavanagh, Simon S.C. Harrison & Matthijs Schouten*  
The biology of small headwater streams and drainage ditches in areas of intensively managed agriculture
- P 83.** *Klement Tockner, Urs Uehlinger, Chris Robinson & Rosi Siber*  
Rivers of Europe: Introduction and overview
- P 84.** *Dāvis Gruberts, Jana Paidere & Ivars Druvietis*  
Impact of hydrology on phyto- and zooplankton community composition in floodplain lakes along the Daugava River
- P 85.** *Andrzej Kownacki, Marta Margreiter & Hansjorg Kraus*  
The effect of water intake on macroinvertebrate communities in alpine streams (Tirol, Austria)
- P 86.** *Barbara Rakowska*  
Benthic diatom communities of a lowland and a mountainous river
- P 87.** *Kieran A. Monaghan & A.M.V.M. Soares*  
The fish communities of small (2-4th order) streams of northern Portugal: ecological organisation in the context of the hydrological habitat

### Fish biology

- P 88.** *Pedro M. Leunda, Rafael Miranda & Maria C. Escala*  
Aquatic habitat characteristics influencing fish populations in a pre-Pyrenean river during summer
- P 89.** *Tatjana Simčič, Dušan Jesenšek & Anton Brancelj*  
Can we explain competition priorities between marble trout (*Salmo marmoratus*), brown trout (*Salmo trutta*) and their hybrids by ecophysiological differences?
- P 90.** *Ewa Rygielska*  
Reaction distance in roach for different instars of *Daphnia* prey at different prey densities

- P 91.** *Marina Studenova & Igor Studenov*  
The Atlantic salmon feed base in the spawning inflows of the River Severnaya Dvina

### **Water quality & management**

- P 92.** *M. Kdadri, Mustapha Hasnaoui & I. Ait Brahim*  
Phosphate distribution and its impact on functioning of the Merja Zerga lagoon (Morocco)
- P 93.** *Mariusz Pelechaty & Piotr Ogradowski*  
Spatial and temporal heterogeneity of physical and chemical properties of water in the pelagial of a large charophyte lake (Lake Lednica, mid-Western Poland)
- P 94.** *Montserrat Real, Antoni Munné & Vicenç Acuña*  
Pressures and impacts analyses in the inner catchments of Catalonia
- P 95.** *Michal Bílý & Ondřej Simon*  
Hydrochemical conditions of pearl mussel localities in Czech Republic
- P 96.** *Thomas Kalettka & Catrin Rudat*  
Water quality of kettle holes in the agricultural landscapes of young moraine regions in Northeast Germany
- P 97.** *Renata Gawrońska*  
The influence of the restoration of a lowland reservoir on water quality in the outlet
- P 98.** *Vasilis Dakos, Yorgos Chatzinikolaou & Maria Lazaridou*  
Assessing the habitat quality of two major Mediterranean river systems using the River Habitat Survey method
- P 99.** *Jasna Vidaković, Irela Bogut, Goran Palijan, Dubravka Čerba & Željko Zahirović*  
Trophic indicators and the state of waterbodies within Kopački rit Nature Park (Croatia) in 2003 and 2004
- P 100.** *Javier Martínez-López, M.R. Vidal-Abarca & M.L. Suárez*  
A methodological approach to assess the ecological integrity and conservation priorities of water bodies in the Segura river basin (SE Spain) based on their associated Habitats of Community Interest
- P 101.** *Katarzyna Kowalczywska-Madura & Ryszard Gołdyn*  
Internal loading of phosphorus from the sediments of Lake Swarzędzkie
- P 102.** *A. Çiçek, Naim Arslan, S. Malkoç, Ö. Emiroğlu, T. Öntürk & B. Koç*  
Preliminary investigation of heavy metal levels in lake water, sediment, meiobenthos (Chironomidae) and fish species from Lake Uluabat, a Ramsar site in Turkey

### **Eco-toxicology**

- P 103.** *Ewa Szarek-Gwiazda & Antoni Amirowicz*  
Trace element concentrations in fish with relation to their speciation in sediment of a eutrophic dam reservoir
- P 104.** *Szymon Piotr Kościerzyński*  
PCB as a source of abiotic stress for *Daphnia magna*: using HSP as ecotoxicological biomarkers
- P 105.** *J.F. Masfaraud, Laure Giamberini, P. Bauda, E. Beraud, P. Billard, C. Cossu-Leguille, S. Cotellet, M. Dazy, P. Doyen, P. Faure, J.F. Ferard, E. Guerlet, L. Jeanneau, B. Lartiges, L. Mansuy-Huault, E. Montarges-Pelletier, M. Parant, P. Poupin, C. Richert, F. Rodius, A. Rokbani, M.C. Rouillier, P. Solfato & P. Vasseur*  
Integrated study of metal and organic pollutant fate and biological responses at the confluence of the Fensch and Moselle rivers (France)
- P 106.** *Emanuela Viaggiu, Ilen Bianco, Vera C. Sangiorgi, Ennio Zaottini & Patrizia Albertano*  
The occurrence of the filamentous toxic cyanobacterium *Planktothrix rubescens* in the shallow Lake San Puoto (Central Italy)
- P 107.** *Antoni Mikoszewski & Piotr Bernatowicz*  
Can predator presence alter the detoxication of PCB in *Daphnia*?
- P 108.** *Jaime Molina, Pedro M. Leunda, Rafael Miranda & Jaime Martínez-Lage*  
Mercury, organochlorine pesticides and HCB concentration in fish from the River Cinca (Ebro River Basin, Spain)
- P 109.** *Dariusz Ciszewski & Bartłomiej Wyzga*  
Hydraulic conditions of the entrapment of heavy metal-polluted sediments on a floodplain of variable width, the Upper Vistula River, southern Poland