

Wastewater Treatment, Plant Dynamics and Management in Constructed and Natural Wetlands

Jan Vymazal
Editor

Wastewater Treatment, Plant Dynamics and Management in Constructed and Natural Wetlands

 Springer

Editor

Dr. Jan Vymazal

ENKI, o.p.s.

and

Institute of Systems Biology and Ecology

Czech Academy of Sciences

Dukelská 145

379 01 Třeboň

Czech Republic

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Preface

At present, constructed wetlands for wastewater treatment are a widely used technology for treatment of various types of wastewaters. The International Water Association (then International Association on Water Pollution Research and Control) recognized wetlands as useful tools for wastewater treatment and established the series of biennial conferences on the use of wetland systems for water pollution control in 1988. In about 1993, we decided to organize a workshop on nutrient cycling in natural and constructed wetlands with the major idea to bring together researchers working on constructed and also natural wetlands. It was not our intention to compete with IWA conferences, but the workshop should rather complement the series on treatment wetlands by IWA. We believed that the exchange of information obtained from natural and constructed wetlands would be beneficial for all participants. And the time showed that we were correct.

The first workshop took place in 1995 at Třeboň in South Bohemia and most of the papers dealt with constructed wetlands. Over the years we extended the topics on natural wetlands (such as role of wetlands in the landscape or wetland restoration and creation) and during the 6th workshop held at Třeboň from May 30 to June 3, 2006, nearly half of 38 papers presented during the workshop dealt with natural wetlands. This workshop was attended by 39 participants from 19 countries from Europe, Asia, North and South Americas and Australia. The volume contains 29 peer-reviewed papers out of 38 papers which were presented during the workshop.

The organization of the workshop was partially supported by grants No. 206/06/0058 “Monitoring of Heavy Metals and Selected Risk Elements during Wastewater Treatment in Constructed Wetlands” from the Czech Science Foundation and Grant. No. 2B06023 “Development of Mass and Energy Flows Evaluation in Selected Ecosystems” from the Ministry of Education, Youth and Sport of the Czech Republic.

Praha
August 2007

Jan Vymazal

In Memoriam for Olga Urbanc-Berčič



Olga Urbanc-Berčič (1951–2007)

Olga Urbanc-Berčič was a biologist in the real sense of the word. She regarded her profession as a vocation which influenced her whole life. In 1975, after her diploma she got a post on the National Institute of Biology in Ljubljana in the laboratory for electronic microscopy. Some years later she joined the group researching freshwater and terrestrial ecosystems in the same institution. In 1988 she finished her Master's with a thesis titled "The use of *Eichhornia crassipes* and *Lemna minor* for wastewater treatment". In 2003 she successfully defended her Ph.D. thesis titled "The availability of nutrients in the rhizosphere of reed stands (*Phragmites australis*) in relation to water regime in the intermittent Lake Cerknica". Her service to her professional interests was totally unselfish. She was involved in many different projects, but most of all she liked the research dedicated to wetlands and aquatic plants. We were a perfect team for many years. I will never forget the fruitful time we spent in the field sampling and researching. The results of her research are

summarised in numerous scientific and professional publications. Her studies of the role of water-level fluctuations in nutrient cycling led to a wider understanding of wetland functions. Her work additionally clarified the importance of macrophytes in aquatic systems. She was active in different non-governmental organisations, being the president of the Slovenian Ecological Society for many years. As a warm-hearted, generous, enthusiastic and positively oriented person she was a link among people and an efficient advocate of nature. On a cold, grey Wednesday in February, we accompanied her to her last home. Her death was a great loss for family, friends, colleagues and the community. We will miss her, but her work and her spirit will live with us forever.

Selected Bibliography

Olga Urbanc-Berčič authored more than 100 contributions in international and Slovenian research and popular journals, monographs and conference proceedings. The following list contains only a short selection of her publications.

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Alenka Gabersčič

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Contributors

Edit Ágoston-Szabó

Institute of Ecology and Botany, Hungarian Danube Research Station, H-2163 Vácrátót, Hungary

Jani Anttila

Peatland Ecology Group, University of Helsinki, Department of Forest Ecology, Helsinki, Finland

Hiroyuki Araki

Institute of Lowland Technology, Saga University, Saga, Japan

Sofia Kallner Bastviken

IFM-Biology, Linköping University, SE-581 83 Linköping, Sweden

Herbert John Bavor

Centre for Water and Environmental Technology – Water Research Laboratory, University of Western Sydney – Hawkesbury, Locked Bag 1797, Penrith South DC, NSW 1797, Australia

Simon Bird

University of Vermont, Department of Plant and Soil Science, Hills Agricultural Building, 105 Carrigan Drive, Burlington, VT 05405, USA

Jakub Brom

Laboratory of Applied Ecology, Faculty of Agriculture, University of South Bohemia, Studentská 13, České Budějovice, CZ-370 05, Czech Republic; ENKI o.p.s., Dukelská 145, Třeboň, CZ-379 01, Czech Republic

Aracelly Caselles-Osorio

Environmental Engineering Division; Hydraulics, Maritime and Environmental Engineering Department; Technical University of Catalonia, Jordi Girona, 1-3, 08034-Barcelona, Spain; Department of Biology, Atlantic University, km 7 Highway Old Colombia Port, Barranquilla, Colombia

David Cooper

ARM Ltd, Rydal House, Colton Road, Rugeley, Staffordshire, WS15 3HF, United Kingdom

Paul Cooper

ARM Ltd, Rydal House, Colton Road, Rugeley, Staffordshire, WS15 3HF,
United Kingdom; Independent Consultant, PFC Consulting, The Ladder House,
Cheap Street, Chedworth, Cheltenham, GL54 4AB, United Kingdom

Christopher Craft

School of Public and Environmental Affairs, Indiana University, Bloomington IN
47405-1701, USA

Mária Dinka

Institute of Ecology and Botany, Hungarian Danube Research Station, H-2163
Vácrátót, Hungary

Aleksandra Drizo

University of Vermont, Department of Plant and Soil Science, Hills Agricultural
Building, 105 Carrigan Drive, Burlington, VT 05405, USA

Jiří Dušek

University of South Bohemia, Faculty of Biological Sciences, Branišovská 31,
370 05 české Budějovice, Czech Republic

Phil M. Fermor

Middlemarch Environmental Ltd, Triumph House, Birmingham Road, Allesley,
Coventry CV5 9AZ, United Kingdom

Masanori Fujita

Deanery, Kochi National College of Technology, 200-1 Monobe Otsu,
Nanmoku, Kochi 783-8508, Japan

Alenka Gaberščik

Department of Biology, Biotechnical Faculty, University of Ljubljana,
Večna pot 111, Ljubljana, Slovenia

Joan García

Environmental Engineering Division; Hydraulics, Maritime and Environmental
Engineering Department; Technical University of Catalonia, Jordi Girona, 1-3,
08034-Barcelona, Spain

Mateja Germ

National Institute of Biology, Večna pot 111, 1000 Ljubljana, Slovenia

Andreas Graber

University of Applied Sciences Waedenswil, Institute of Natural Resource
Sciences, Section Ecological Engineering, Gruental, CH - 8820 Waedenswil,
Switzerland

Paul Griffin

Severn Trent Water Ltd., Technology and Development, Avon House, Coventry,
CV3 6PR, United Kingdom

Raimund Haberl

Institute of Sanitary Engineering and Water Pollution Control, University of Natural Resources and Applied Life Sciences, Vienna, Muthgasse 18, A-1190 Vienna (BOKU), Austria

Peter D. Hedges

School of Engineering and Applied Science, Aston University, Aston Triangle, Birmingham, B4 7ET, United Kingdom

Brigita Horvat

Department of Biology, Biotechnical Faculty, University of Ljubljana, Večna pot 111, Ljubljana, Slovenia

Michihiko Ike

Department of Environmental Engineering, Graduate School of Engineering, Osaka University, 2-1 Yamadaoka, Suita, Osaka 565-0871, Japan

Ranka Junge

University of Applied Sciences Wädenswil, Institute of Natural Resource Sciences, Section Ecological Engineering, Gruental, CH - 8820 Wädenswil, Switzerland

Pille Kängsepp

Institute of Molecular and Cell Biology, University of Tartu, Riia 23, Tartu, 51010, Estonia; School of Pure and Applied Natural Sciences Kalmar University, Kalmar 39182, Sweden

Suwasa Kantawanichkul

Department of Environmental Engineering, Chiang Mai University, Chiang Mai 50202, Thailand

Marjut Karsisto

Finnish Forest Research Institute, Vantaa Research Unit, Finland

Veikko Kitunen

Finnish Forest Research Institute, Vantaa Research Unit, Finland

Margit Kõiv

Institute of Geography, University of Tartu, Vanemuise 46, Tartu, 51014, Estonia

Mait Kriipsalu

Institute of Forestry & Rural Engineering, Estonian University of Life Sciences, Kreutzwaldi 64, Tartu, 51014, Estonia

Lenka Kröpfelová

ENKI, o.p.s., Dukelská 145, 379 01 Třeboň, Czech Republic

Raija Laiho

Peatland Ecology Group, Department of Forest Ecology, University of Helsinki, Finland

Gijs Du Laing

Laboratory for Analytical Chemistry and Applied Ecochemistry, Department of Applied Analytical and Physical Chemistry, Ghent University, Coupure Links 653, B-9000 Gent, Belgium

Günter Langergraber

Institute of Sanitary Engineering and Water Pollution Control, University of Natural Resources and Applied Life Sciences, Vienna, Muthgasse 18, A-1190 Vienna (BOKU), Austria

Klaus Leroch

ÖKOREAL GmbH, Carl Reichert-Gasse 28, A-1170 Vienna, Austria

Els Lesage

Laboratory for Analytical Chemistry and Applied Ecochemistry, Department of Applied Analytical and Physical Chemistry, Ghent University, Coupure Links 653, B-9000 Ghent, Belgium

Ülo Mander

Institute of Geography, University of Tartu, Vanemuise 46, Tartu, 51014, Estonia

Fabio Masi

IRIDRA Srl, via Lorenzo il Magnifico 70, Florence, 50129, Italy

Troy Meyers

Mathematics Department, Luther College, Decorah, Iowa, USA

Kari Minkkinen

Peatland Ecology Group, University of Helsinki, Department of Forest Ecology, Helsinki, Finland

Annelies M.K. van de Moortel

Laboratory of Analytical Chemistry and Applied Ecochemistry, Department of Applied Analytical and Physical Chemistry, Ghent University, Coupure Links 653, B-9000 Ghent, Belgium

Charity Mundia

Laboratory of Analytical Chemistry and Applied Ecochemistry, Ghent University, Coupure Links 653, 9000 Ghent, Belgium

Jaime Nivala

North American Wetland Engineering LLC, 4444 Centerville Road, Suite 140, White Bear Lake, Minnesota 55127, USA

Hanna Obarska-Pempkowiak

Gdansk University of Technology, Faculty of Civil and Environmental Engineering, Narutowicza 11/12, 80-952 Gdansk, Poland

Sean O'Hogain

School of Civil, Structural and Building Services Engineering, Dublin Institute of Technology, Bolton Street, Dublin 1, Ireland

Amanda Parker

U.S. Environmental Protection Agency, Washington, DC, USA

Niels De Pauw

Laboratory of Environmental Toxicology and Aquatic Ecology, Ghent University,
J. Plateaustraat 22, 9000 Ghent, Belgium

Libor Pechar

Laboratory of Applied Ecology, Faculty of Agriculture, University of South
Bohemia, Studentská 13, České Budějovice, CZ-370 05, Czech Republic;
ENKI o.p.s., Dukelská 145, Třeboň, CZ-379 01, Czech Republic;
Institute of System Biology and Ecology, Academy of Sciences of the Czech
Republic, Dukelská 145, Třeboň, CZ-379 01, Czech Republic

Timo Penttilä

Finnish Forest Research Institute, Vantaa Research Unit, Vantaa, Finland

Silvana Perdomo

Limnosistemas, Avda. Costanera Mz 205 S2, El Pinar, Canelones, Uruguay

Kiattisak Pingkul

Department of Environmental Engineering, Chiang Mai University, Chiang Mai
50202, Thailand

Jan Pokorný

ENKI o.p.s., Dukelská 145, Třeboň, CZ-379 01, Czech Republic;
Institute of System Biology and Ecology, Academy of Sciences of the Czech
Republic, Dukelská 145, Třeboň, CZ-379 01, Czech Republic

Christoph Prandtstetten

ÖKOREAL GmbH, Carl Reichert-Gasse 28, A-1170 Vienna, Austria

Alexander Pressl

Institute of Sanitary Engineering and Water Pollution Control, University of
Natural Resources and Applied Life Sciences, Vienna, Muthgasse 18, A-1190
Vienna (BOKU), Austria

Jan Procházka

Laboratory of Applied Ecology, Faculty of Agriculture, University of South
Bohemia, Studentská 13, České Budějovice, CZ-370 05, Czech Republic

Jaume Puigagut

Environmental Engineering Division; Hydraulics, Maritime and Environmental
Engineering Department; Technical University of Catalonia, Jordi Girona, 1-3,
08034-Barcelona, Spain

Katy E. Read

Middlemarch Environmental Ltd, Triumph House, Birmingham Road, Allesley,
Coventry CV5 9AZ, United Kingdom

Roland Rohrhofer
ÖKOREAL GmbH, Carl Reichert-Gasse 28, A-1170 Vienna, Austria

Donald Ross
University of Vermont, Department of Plant and Soil Science, Hills Agricultural Building, 105 Carrigan Drive, Burlington, VT 05405, USA

Diederik P.L. Rousseau
Department of Environmental Resources, UNESCO-IHE, P.O.Box 3015, 2601 DA Delft, The Netherlands

Eric Seitz
University of Vermont, Department of Plant and Soil Science, Hills Agricultural Building, 105 Carrigan Drive, Burlington, VT 05405, USA

Kirsten Sleytr
Institute of Sanitary Engineering and Water Pollution Control, University of Natural Resources and Applied Life Sciences, Vienna, Muthgasse 18, A-1190 Vienna (BOKU), Austria

Nina Šraj-Kržič
Department of Biology, Biotechnical Faculty, University of Ljubljana, Večna pot 111, 1000 Ljubljana, Slovenia

Otto R. Stein
Center for Biofilm Engineering, Montana State University, Bozeman, MT 59717, USA; Department of Civil Engineering, Montana State University, Bozeman, MT 59717, USA

Bo Stenberg
Department of Soil Sciences, SLU, Skara, Sweden

Jana Štíhová
Department of Applied Chemistry and Chemistry Teaching, Faculty of Agriculture, University of South Bohemia, Studentská 13, České Budějovice, CZ-370 05, Czech Republic

Paul J. Sturman
Center for Biofilm Engineering, Montana State University, Bozeman, MT 59717, USA

Christer Svedin
IFM-Biology, Linköping University, SE-581 83 Linköping, Sweden

Filip M.G. Tack
Laboratory for Analytical Chemistry and Applied Ecochemistry, Department of Applied Analytical and Physical Chemistry, Ghent University, Coupure Links 653, B-9000 Ghent, Belgium

Tarja Tapanila
Finnish Forest Research Institute, Vantaa Research Centre, Finland

Masafumi Tateda

Department of Environmental Technology, College of Technology, Toyama Prefectural University, 5180 Kurokawa, Kosugi-machi, Imizu-Gun, Toyama, Japan

Karin S. Tonderski

IFM-Biology, Linköping University, SE-581 83 Linköping, Sweden

Eamon Twohig

University of Vermont, Department of Plant and Soil Science, Hills Agricultural Building, 105 Carrigan Drive, Burlington, VT 05405, USA

Olga Urbanc-Berčič

National Institute of Biology, Večna pot 111, 1000 Ljubljana, Slovenia

Nuria Vaello

Environmental Engineering Division; Hydraulics, Maritime and Environmental Engineering Department; Technical University of Catalonia, Jordi Girona, 1-3, 08034-Barcelona, Spain

Petra Vávřová

Peatland Ecology Group, University of Helsinki, Department of Forest Ecology, Helsinki, Finland; Finnish Forest Research Institute, Vantaa Research Unit, Vantaa, Finland

Marc G. Verloo

Laboratory of Analytical Chemistry and Applied Ecochemistry, Department of Applied Analytical and Physical Chemistry, Ghent University, Coupure Links 653, B-9000 Ghent, Belgium

Jan Vymazal

ENKI, o.p.s., Dukelská 145, 379 82 Třeboň, Czech Republic; Institute of Systems Biology and Ecology, Dukelská 145, 379 01 Třeboň, Czech Republic

Scott Wallace

North American Wetland Engineering LLC, 4444 Centerville Road, Suite 140, White Bear Lake, Minnesota 55127, USA

Chad Washburn

School of Public and Environmental Affairs, Indiana University, Bloomington IN 47405-1701, USA

Michael Thomas Waters

SMEC International, P.O. Box 1052, North Sydney, NSW 2060 Australia

David Weber

Vermont Agency of Agriculture Food & Markets. 116 State Street, Drawer 20 Montpelier, VT 05620-2901, USA

Ewa Wojciechowska

Gdansk University of Technology, Faculty of Civil and Environmental Engineering, Narutowicza 11/12, 80-952 Gdansk, Poland