

DEPARTMENT OF SANITARY ENGINEERING

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II. EQUIPMENT

II.1 Teaching and Research Laboratories

- Water chemistry laboratory
- Hydrobiology laboratory
- Analytic chemistry laboratory
- Waste water treatment laboratory
- Computer room

II.2 Special Measuring Instruments

Basic instruments for determining organic pollution in water (BOD, COD), capillary gas chromatography, UV spectrometry (UV-VIS), TOC-Total Organic Carbon, capillary isotachopheresis and apparatus for electrochemical methods, viscometers, ISCO ultrasonic flow meters and automatic samplers, FLOWMATE velocity probe, special equipment and apparatus for LCST measurements (filtration element, separator for microextraction of water), HACH - total nitrite and phosphorus, HYDROLAB - water quality probe, POLAROGRAPH - heavy metal measurements, ISCO - automatic water level probe, ISCO - automatic sampler, TOPCON theodolite with full automatic electronic measurement of lengths and angles, Portable Flowmeter System Controlotron 1010 for flow measurements in pressurised pipes.

III. TEACHING ACTIVITIES

The Department of Sanitary Engineering provides for the education and training of undergraduates for positions as sanitary and environmental engineers. The study program of the Department offers a wide range of both compulsory and optional subjects concerning environmental technology, chemistry of water and hydrobiology, water supply, water distribution, urban drainage and waste-water collection, water pollution control, water and waste-water treatment, spas and mineral waters, sludge treatment and solid waste disposal. In addition to lectures, design exercises, and laboratory courses, a great deal of attention at the Department is devoted to fieldwork. Students apply their theoretical knowledge of subjects during practical training periods. Before they submit and defend their theses at the end of their studies, students have to specialise in one of several main optional modules (see table below).

III.1 Graduate Study

Subject	Semester	Hours per Week		Lecturer
		Lectures	Seminars	
Environmental Technology VHVS	1	2	2	O. Čermák
Environmental Technology	1	2	2	O. Čermák
Water Chemistry and Hydrobiology	3	3	2	J. Ilavský
Chemistry of Water, Soil, Air and Waste	4	2	2	J. Ilavský
Environmental Hygiene	4	2	2	Ľ. Horanová
Landscape Engineering	5	2	2	M. Čermáková
Infrastructure of Urban Regions	5	2	2	J. Božiková, M. Čermáková, J. Kriš
Landscape Eng. and Infrastr. of Urban Regions	5	0	3	J.Kriš

Water Pollution Control	5	3 - 2	M. Sokáč
Sanitary Engineering Structures	6	2 - 2	J. Kriš, D. Rusnák
Design and Execution of Water Management Structures	6	2 - 2	D. Rusnák
Water Supply and Water Treatment	7	3 - 2	J. Kriš
Public Utility Networks	7	2 - 2	J. Božíková
Public Utility Networks	7	2 - 2	M. Čermáková
Solid Waste Management	7	2 - 2	O. Čermák
Public Utility Networks and Water Management Structures	8	2 - 2	M. Čermáková
Sewerage and Waste Water Treatment	8	3 - 3	D. Rusnák
In-Situ Training	8	2 weeks	D. Sztruhár
Practical Training	8	4 weeks	M. Čermáková
Solid Waste Management	8	3 - 2	O. Čermák
Urban Hygiene	9	2 - 2	L. Horanová
Selected Chapters of Water Supply and Water Treatment	9	3 - 3	J. Kriš
Selected Chapters of Sewerage and Waste Water Treatment	9	3 - 3	D. Rusnák
Spas and Mineral Waters	9	3 - 2	J. Kriš
Special Excursion	9	1 week	D. Barloková, S. Stanko
Special Seminar	10	0 - 6	J. Božíková
Execution of Sanitary Structures	10	3 - 2	J. Hétharši
Water Management	10	2 - 2	J. Hétharši
Automation of Engineering Works	10	0 - 5	S. Stanko, K. Tóthová
Final Thesis	10	5 weeks	

Optional Subjects

Subject	Semester	Hours per Week		Lecturer
		Lectures	Seminars	
Pumping Stations	9	2	2	D. Barloková, M. Sokáč
Industrial Water Management	9	2	2	J. Hétharši
Urban and Regional Planning	10	2	2	J. Hétharši
Rehabilitation of Old Waste Disposal Sites	10	2	2	O. Čermák
Urban Hydrology	10	2	2	D. Sztruhár
Operation and Maintenance of Sanitary Engineering Structures	10	2	2	J. Kriš, D. Rusnák

III. 2. Postgraduate Study

Postgraduate courses and seminars are organised on a regular basis by the Department.

IV. RESEARCH ACTIVITIES

The Department provides scientific research and services in the following fields:

- human-induced pollution of water resources (contact: Prof. Kriš),
- disinfection of water in water supply mains (contact: Dr. Kriš),
- corrosion of water distribution pipes (contact: Prof. Kriš),
- urban hydrology and sewer system modelling (contact: Dr. Sokáč),
- determination of organic substances in water (contact: Dr. Ilavský),
- upgrading the efficiency of water and waste-water treatment plants and assessment and inspection of their performance (contact: Dr. Rusnák),
- degradation of organic materials at solid waste disposal sites (contact: Dr. Čermák),
- hydraulic analysis of water distribution networks (contact: Dr. Tóthová).

V. RESEARCH PROJECTS

1. Management of water distribution systems (2003-2005, J. Kriš)
2. EVK4-2001-00185 The Use of Life Cycle Assessment Tools for the Development of Integrated Waste Management Strategies for Cities and Regions with Rapidly Growing Economies, 5th EU Program (2002 – 2004, Čermák)
3. Vega 1/0310/03 Appraisal of the Impact of CSO in Communal Sewages on Receiving Waters during Storms (2003-2005, Rusnák)
4. Vega 1/9356/02 Urban Storm Runoff Management as a Tool for Sustainable Development of Cities and Villages (2002-2004, Sokáč)
5. Project framework: Convention between the Czech and Slovak Republics on Research and Technical Projects (2002-2004, Sokáč)

VI. COOPERATION

VI.1 Cooperation in Slovakia

1. Slovak University of Technology - Faculty of Civil Engineering, Bratislava
2. Slovak University of Technology - Faculty of Chemical Technology, Bratislava
3. Technical University of Košice - Faculty of Electrotechnical Engineering, Košice
4. West Slovakia Water Board - Trenčín Water Board, Trenčín
5. Ministry of Land Management of the Slovak Republic, Bratislava
6. Ministry of the Environment of the Slovak Republic, Bratislava
7. Water Research Institute, Bratislava
8. Slovak Institute of Civil Engineers, Bratislava
9. Slovak Inspectorate of the Environment
10. Slovak Committee of the International Association on Water Quality, Bratislava
11. Slovak National Committee of the International Water Supply Association, Bratislava
12. West Slovakia Water Board - Bratislava Directorate
13. North Slovakia Water Board - Žilina Directorate
14. Central Slovakia Water Board - Banská Bystrica Directorate
15. East Slovakia Water Board - Košice Directorate
16. Bratislava Water Board
17. Danube River Basin Authority, Bratislava

18. Váh River Basin Authority, Piešťany
19. Hron River Basin Authority, Banská Bystrica
20. Bodrog and Hornád River Basin Authority, Košice

VI. 2 International Cooperation

1. Technical University, Prague, Czech Republic
2. Technical University, Brno, Czech Republic
3. Technical University, Vienna, Austria
4. Universität für Bodenkultur, Vienna, Austria
5. Danish Hydraulic Institute, Horsholm, Denmark, and Prague, Czech Republic
6. National Water Research Institute, Burlington, Canada
7. Instytut Inżynierii Sanitarnej i Ochrony Środowiska, Politechnika Czestochowska, Czestochowa, Poland
8. Hokkaido University, Sapporo, Japan
9. University of Pavia, Pavia, Italy

VII. THESES

VII. 1 Graduate Theses

No.	Student	Title	Supervisor
1.	Baran M.	Thermal Swimming Pool at Senec - Design of Water Treatment for Pools	Božíková, J.
2.	Bahnová, E.	Utilization of Natural Zeolites in Water Treatment	Ilavský, J.
3.	Bajúžik, S.	Drainage System Design in the Villages of Jovsa, Kusín and Poruba	Stanko, S.
4.	Buček, M.	Sewage System in the Town of Banská Bystrica, CSO Appraisal	Sokáč, M.
5.	Bursa, M.	Communal Drainage System Reconstruction in Gemerská Hôrka	Rusnák, D.
6.	Čejková, K.	Study of Drainage System in Sečovská Polianka	Sokáč, M.
7.	Faktor, P.	Materials of Sewage Pipelines and Components in Sewage Networks	Rusnák, D.
8.	Faško M.	Reduction of Water Losses in the Towns of Poltár and Kokava	Tóthová, K.
9.	Grznárová A.	Methods and Ways of Pool Water Treatment	Kriš, J.
10.	Halmo J.	Separator Systems for Lightweight Liquids	Rusnák, D.
11.	Havrila J.	Modern Methods of Water Treatment	Kriš, J.
12.	Chlebovec Š.	Water Supply for Firefighting – Bôrik Tunnel – Highway D1 Mengusovce - Jánovce	Tóthová, K.
13.	Krajčová M.	Trenčianske Teplice Spa – Design of Thermal Water Accumulation and Design of Reconstruction of Sína Pool	Božíková, J.
14.	Kyselička O.	Optical Cable in Drainage Systems	Stanko, Š.
15.	Laktiš P.	Drainage System Design in the Village of Topolčianky	Stanko, Š.
16.	Matoš G.	Design for Water Treatment Optimalization at Tatranská Štrba	Barloková, D.
17.	Mokrý P.	Design of Separate Collection of Municipal Solid Waste	Škultétyová, I.
18.	Pálka M.	Drainage System Design in the Village of Veľký Grob	Sokáč, M.

19.	Parditka P.	Design of Optimization of Road Network Collection Vehicles for Municipal Solid Waste	Škultétyová, I.
20.	Repová E.	Operating Manual of Water Supply System	Tóthová, K.
21.	Sekerec T.	Equipment for Decentralized Infiltration of Storm Waters	Rusnák, D.
22.	Tarič J.	Membrane Processes in Water Treatment	Barloková, D.
23.	Tribula P.	Surface Water Treatment for Drinking Use	Kriš, J.
24.	Tršková E.	Sewage System Operations	Rusnák, D.
25.	Urbánková J.	Dudince Spa – Design of Reconstruction of Accumulation Station for Mineral Water	Božíková, J.
26.	Vlčeková M.	Design of Water Supply System for the Village of Tureň	Tóthová, K.
27.	Žubor J.	Design and Hydraulic Assessment of Water Distribution Supply System in Existing Area	Božíková, J.

VIII. OTHER ACTIVITIES

VIII. 1 Commercial Activities

The Department provides consulting and project services in the following fields:

- chemical and physical analysis of drinking water, groundwater, waste water and sludge
- design projects of water and waste water treatment plants, water distribution networks and sewer systems, solid waste disposal sites
- on-site monitoring and hydraulic assessment of existing water and waste water treatment plants, water mains and sewer systems
- expert studies of water and waste water treatment plants, water mains and sewer systems, solid waste disposal sites
- monitoring groundwater quality
- developing sanitary engineering software

IX. PUBLICATIONS

IX. 1 Journals

Scientific Articles in Slovak Journals

- [1] ČERMÁKOVÁ, M., KRIŠ, J., ČERMÁK, O., BOŽÍKOVÁ, J.: Uncertainty of Accuracy of Measurements of Clampon Ultrasonic Flowmeters. In: Slovak Journal of Civil Engineering, Vol. XII, No. 1, 2004, ISSN 1210-3896, pp. 7-12
- [2] ČERMÁK, O., ČERMÁKOVÁ, M., ILAVSKÝ, J.: Characterization of Landfill Conditions. In: Slovak Journal of Civil Engineering, 2004/ 1, Vol. XII, ISSN 1210-3896, pp. 29-32
- [3] DUBOVÁ, V., KRIŠ, J.: Corrosion Tests of a Steel Pipeline Water Distribution System. In: Slovak Journal of Civil Engineering, Vol. XII, No. 1, 2004, ISSN 1210-3896, pp. 18-22
- [4] KRIŠ, J. : 50th Anniversary of the Department of Sanitary Engineering. In: Slovak Journal of Civil Engineering, Vol. XII, No. 1, 2004, ISSN 1210-3896, pp. 1-6

- [5] ILAVSKÝ, J., HRIVŇÁK, J.: Determination of Petroleum Hydrocarbons in Water by Microextraction and Capillary Gas Chromatography. In: Slovak Journal of Civil Engineering, Vol. XII, No. 1, 2004, ISSN 1210-3896, pp. 13-17
- [6] HÉTHARŠI, J., KASANOVA, E.: Research on Changes in the Quality of the Underground Water at the Žilina Dam. In: Slovak Journal of Civil Engineering, Vol. XII, No. 1, 2004, ISSN 1210-3896, pp.33-37
- [7] ČERMÁK, O.: Landfill Design. In: Civil Engineering Year Book, Bratislava: Jaga Group, 2004, ISBN 80-88905-87-7
- [8] BOŽÍKOVÁ, J.: Mineral Water Tapping, In: Vodohospodársky spravodajca, Vol. 47, ISSN 0332-886 X, No.1, 2004, pp.13-15
- [9] ČERMÁK, O.: Waste Treatment and Modification Plant. In: Stavba, Vol VII, No. 11, 2004
- [10] ČERMÁKOVÁ, M., ČERMÁK O.: A Water Reservoir as an Important Structure of a Public Water Supply. In: Stavba, Vol. VII, No. 10, 2004, pp. 46-48
- [11] HÉTHARŠI, J., BELANOVÁ, A.: Water Losses in Water Distribution Systems. In: Vodohospodársky spravodajca, Vol. 47, ISSN 0332-886 X, No.1, 2004, p. 22
- [12] HÉTHARŠI, J., GIBALA, T.: Small WWTP, Logistics and Construction. In: Vodohospodársky spravodajca, Vol. 47, ISSN 0332-886 X, No. 2, 2004
- [13] HÉTHARŠI, J., KASANOVA, E.: Building Water Works: New Composites In: Vodohospodársky spravodajca, Vol. 47, ISSN 0332-886 X, No. 8, 2004, pp. 16-17.
- [14] JANKOVIČOVÁ, K., PARRÁKOVÁ, E., STANKO, Š.: Successful Application of Waste Treatment in Practise, In: Vodohospodársky spravodajca, Vol. 47, ISSN 0332-886 X, No.12, 2004
- [15] KRIŠ, J., ŠKULTÉTYOVÁ, I.: Attestation of Special Qualifications for Operation of Public Water Supply and Sewage. In: Stavebníctvo 2004, ISSN 80-89087-12-4, pp. 76-81
- [16] MIKITA, M., BOŽÍKOVÁ, J.: Water Supply of Population of Slovak Republic in Terms of Problems in Water Systems, In: Podzemná voda, Vol. 10, ISSN 1335-1052, No. 1, 2004, pp. 43-49
- [17] URCIKÁN, P., RUSNÁK, D.: CSO Methods for Terminal Rainfall Design. In: Vodohospodársky spravodajca, Vol. 47, ISSN 0332-886 X, No.10-11, 2004, pp. 33–35

Journals, Articles Abroad

- [1] ČERMÁK O.: WEEE Material Treatment in Slovakia. In: ODPADY, No. 9, 2004, p.12.
- [2] KRIŠ, J., MAHRÍKOVÁ, I., ČERMÁK, O. Disinfection. In: Vodní hospodářství No. 12. 2004
- [3] URCIKÁN, P., RUSNÁK, D.: Dimensions of Flow and Storm Water Tanks by Application of a Simple Modified Method. In: Vodní hospodářství, Vol. 54, No.1, 2004, pp. 14 - 17
- [4] URCIKÁN, P., RUSNÁK, D.: Methods of the Terminal Rainfall CSO Design. In: Sovak, Vol.13, No. 6, 2004, pp. 10 – 15, pp. 33 – 35

IX. 2 Books and Textbooks

- [1] URČIKÁN, P., RUSNÁK, D.: Sewage and Waste Water Treatment, Sewage Systems I. Design of Sewage Systems. Bratislava ES STU, 2004, ISBN 80-227-2136.
- [2] ČERMÁKOVÁ, M.: Engineering Networks. Postgraduate Course for Water Managers, VÚVH, September 2004.

IX. 3 Conferences

Domestic Conferences

- [1] BARLOKOVÁ, D, ILAVSKÝ, J., JAŠKO, V.: Iron and Manganese Removal from Water by Natural Materials. In: Proceedings of International Drinking Water Conference, Trenčianske Teplice, October 2004, pp. 145-152
- [2] BOŽÍK, M., BOŽÍKOVÁ, J.: Technology for the Installation of Plastic Materials in Balneotechnical Distributions. In: Proceedings of Conference on 50 Years of the Department of Building Technology , SvF STU, Bratislava, 2004
- [3] ČERMÁK, O., ČERMÁKOVÁ, M., HORANOVÁ, Ľ., JANKOVIČOVÁ, K., ŠKULTÉTYOVÁ, I.: Integrated Planning of Waste Treatment in EU Cities and Regions. In: Proceedings of International Waste 2004 Conference, Spišská Nová Ves, 2004, ISBN 80-968214-4-X, pp. 16 – 21.
- [4] ČERMÁK, O., ČERMÁKOVÁ, M.: Mechanical and Biological Pre-Modifications of Wastes. In: Proceedings of International Waste 2004 Conference, Spišská Nová Ves, 2004, ISBN 80-968214-4-X, pp. 141 – 148.
- [5] ČERMÁK, O., ČERMÁKOVÁ, M.: Monitoring Landfill Gases on Some Landfills in Slovakia. In: Proceedings of International Sludge and Waste 04 Conference, Bratislava 2004, ISBN 80-809088-26-0, pp. 156-162.
- [6] ČERMÁK, O.: Requests for Disposal of WEEE. In: Proceedings of International TOP 2004 Conference, Častá-Papiernička, 2004, ISBN 80-227-2058-5, pp. 337 - 342
- [7] GIBALA, T.: Mathematical CSO Modelling of Sewage System of Banská Bystrica. In: Proceedings of International Waste Waters 2004 Conference, Tatranské Zruby, 20.- 22.10.2004, pp. 314 - 321
- [8] HÉTHARŠI, J.: Waste Water Exploitation in Industry. In: Proceedings of 36th International Conference on Water Management in Industry, Liptovský Ján, 8.-10.11.2004, pp. 53-58
- [9] HORANOVÁ, Ľ.: Landfill Monitoring in the Bratislava Area. In: Proceedings of International Waste 2004 Conference, Spišská Nová Ves, 2004, ISBN 80-968214-4-X, pp. 48 – 52
- [10] JANKOVIČOVÁ, K., PARRÁKOVÁ.: Waste Treatment in Bratislava. In: Proceedings of International TOP 2004 Conference, Častá-Papiernička, 2004, ISBN 80-227-2058-5, pp. 291- 296
- [11] KRIŠ J., ČERMÁKOVÁ M.: Industry as a Consumer of Drinking Water from a Public Water Supply. In: Proceedings of 36th Conference of Water Managers, Liptovský Ján, November 2004, pp. 89-96

- [12] KRIŠ J.: Geothermal Water in Recreational Equipment in Slovakia. In: Proceedings of Seminar on 4th District Water Days, Poprad, March 2004, pp. 23-30
- [13] KRIŠ J.: World Water Day and Its Importance. In: Proceedings of Seminar on 4th District Water Days, Poprad, March 2004, pp. 16-22
- [14] KRIŠ, J., BOŽÍKOVÁ, J., MIKITA, M.: Water Supply of the Population in Slovakia. In: Proceedings of AQUA 2004 Conference, Trenčín, June 2004, pp. 129-135
- [15] SOKÁČ. M. : Environmental Improvement of the Liptov Region. ISPA Project. In: Proceedings of International Waste Waters 2004 Conference, Tatranské Zruby, 20.- 22.10. 2004, pp. 22 - 25
- [16] SOKÁČ. M.: Environmental Improvement of the Liptov Region. ISPA Project. In: Proceedings of 36th Water Managers Conference, Liptovský Ján, November 2004, pp. 175 - 180
- [17] SOKÁČ. M., SZTRUHÁR, D.: Regulation and Possibilities of the Reduction of Rain Water Runoff. In: Proceedings of 36th Water Managers Conference, Liptovský Ján, November 2004, pp. 107 – 116
- [18] ŠKULTÉTYOVÁ, I.: Environmental Aspects of Obtaining Groundwater. In: Proceedings of AQUA 2004 Conference, Trenčín, June 2004, pp. 125-128
- [19] TÓTHOVÁ, K., DUBOVÁ, V.: Benchmarking the Operation of Water Supply Systems. In: Proceedings of 36th Water Managers Conference, Liptovský Ján, November 2004, pp. 59-69
- [20] URČIKÁN, P., RUSNÁK, D.: Dimensions of the Flow and Storm Rain Tanks by the Application of a Modified Method. In: Proceedings of International Waste Waters 2004 Conference, Tatranské Zruby, 20.- 22.10.2004, pp. 314 - 321
- [21] URČIKÁN, P., RUSNÁK, D.: Methods of Terminal Rain Value Design. In: Proceedings of International Waste Waters 2004 Conference, Tatranské Zruby, 20.- 22.10.2004, pp. 66 - 73

International Conferences

- [1] BARLOKOVÁ, D., ILAVSKÝ, J., JAŠKO, V.: Natural Zeolites in Water Treatment. In: Proceedings of International Drinking Water 2004 Conference, Tábor, June 2004, pp. 71-74
- [2] BOŽÍK, M., BOŽÍKOVÁ J.: Effect of the Quality of the Distribution Pipeline of the Media Conveyed, In: Proceedings of TECHSTA 2004 Conference, Prague, February 2004, ISBN 80-01-02 916-6, CD ROM pp. 136-139
- [3] ČERMÁK, O., ČERMÁKOVÁ, M.: Landfill, Hydraulic Design for Flow Liquid Recycling. In: Proceedings of 4th International Water Conference, Brno, December 2004, pp. 66-71
- [4] ČERMÁK, O., ČERMÁKOVÁ, M.: Integrated Approach to the Solution of the Infrastructure of an Urbanised Area. In: Proceedings of 8th Conference on the Environment and Mineral Processing, VŠB TU Ostrava, 2004 Conference, pp. 67-72
- [5] ČERMÁK, O., ČERMÁKOVÁ, M.: Landfill Gas: Monitoring Principles. In: Proceedings of 4th International Water Conference, Brno, December 2004, pp. 87 - 93.

- [6] ČERMÁKOVÁ, M., KRÍŠ, J.: Possible Sources of Errors in Measurements of Clampon Ultrasonic Flowmeters. In: Proceedings of Conference on the Operation of Water and Sewage Networks, Hradec Králové, November 2004, pp. 325-328
- [7] HÉTHARŠI, J., KASANOVÁ, E.: Treatment of Wastewater from Meat Processing. In: Hydrotechnical Seminar on Treatment and Disposal of Agricultural and Stock Breeding Waste. Larnaca, Cyprus, 5.2.2004, pp. 1-5
- [8] HORANOVÁ, Ľ.: Landfills – Deformation Processes. In: Proceedings of 4th International Water Conference, Brno, December 2004, pp. 172 – 176
- [9] ILAVSKÝ, J., BARLOKOVÁ, D.: Antimony in Water and Possibilities for Its Removal. In: Proceedings of Conference on Actual Problems of the Water Management of Municipalities, Luhačovice, May 2004, pp. 5-12
- [10] ILAVSKÝ, J. , HRIVŇÁK, J.: Microextraction and Analysis of Chlorinated Phenols in Water, In: Proceedings of 12th International Symposium on Advances and Applications of Chromatography in Industry, Bratislava, June 29-July1, 2004 (CD).
- [11] ILAVSKÝ, J. , HRIVŇÁK, J.: Determination of Chlorinated Phenols in Water by Microextraction and Capillary Gas Chromatography, In: Proceedings of 27th International Symposium on Capillary Gas Chromatography, Riva del Garda, May 31- June 4 2004 (CD).
- [12] ILAVSKÝ, J.: Removal of Humic Substances in Water Treatment. In: Proceedings of 8th International Conference on Water Zlín, Zlín, March 2004, pp. 81-86, ISBN 80-239-2269-6
- [13] JANKOVIČOVÁ, K., ŠKULTÉTYOVÁ, I.: Landfill Closing and Restoration. In: Proceedings of Conference on Actual Problems of the Water Management of Municipalities, Luhačovice, May 2004, pp. 79- 86.
- [14] JANKOVIČOVÁ, K. Landfills – Retention and Venting of Surface and Flow Liquids. In: Proceedings of Conference on Actual Problems of the Water Management of Municipalities, Luhačovice, May 2004, pp. 190 - 196
- [15] KRÍŠ J., BOŽÍKOVÁ J.: Žitný ostrov and Exploiting Its Potential for Supplying Water. In: Proceedings of 8th International Conference on Water Zlín, Zlín, March 2004, pp. 143-148, ISBN 80-239-2269-6
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