

DEPARTMENT OF SANITARY ENGINEERING

Head of the Department:
Prof. Jozef Kriš, PhD.

Tel.: + 421 2 59274 702
Fax: + 421 2 52921 184
E-mail: jozef.kris@svf.stuba.sk
jarmila.bozikova@svf.stuba.sk

I. STAFF**Professors**

Jozef Kriš, PhD. +421 2 59274 615 jozef.kris@stuba.sk

Associate Professors

Jarmila Božíková, PhD. +421 2 59274 611 jarmila.bozikova@stuba.sk

Oskár Čermák, PhD. +421 2 59274 608 oskar.cermak@stuba.sk

Marta Čermáková, PhD. +421 2 59274 603

Dušan Rusnák, PhD. +421 2 59274 644 dusan.rusnak@stuba.sk

Senior Lecturers

Danica Barloková, PhD. +421 2 59274 271 danka.barloкова@stuba.sk

Július Hétharši, PhD. +421 2 59274 292

Adrián Holiencin, DSc. +421 2 59274 290 adrian.holiencin@stuba.sk

Ľubomíra Horanová, PhD. +421 2 59274 275 lubomira.horanova@stuba.sk

Ján Ilavský, PhD. +421 2 59274 609 jan.ilavsky@stuba.sk

Marek Sokáč, PhD. +421 2 59274 568 marek.sokac@stuba.sk

Štefan Stanko, PhD. +421 2 59274 568 stefan.stanko@stuba.sk

Daniel Sztruhár, PhD. +421 2 59274 568 daniel.sztruhar@stuba.sk

Ivona Škultétyová, PhD. +421 2 59274 600 ivona.skultetyova@stuba.sk

Katarína Tóthová, PhD. +421 2 59274 271 katarina.tothova@stuba.sk

Visiting Senior Lecturers

Belica Peter Peter_Belica@vuvh.sk

Research Fellows

Vanda Dubová, PhD. +421 2 59274 271 vanda.dubova@stuba.sk

Katarína Jankovičová +421 2 59274 285 katarina.jankovicova@stuba.sk

Ivana Mahříková +421 2 59274 285 ivana.mahrikova@stuba.sk

Technical Staff

Tomáš Koprda +421 2 59274 282

Anna Palacková +421 2 59274 702

Darina Sýkorová +421 2 59274 584

Doctoral Students

Eva Kasanová +421 2 59274 600

Jana Nagyová +421 2 59274 610 jana.nagyova@stuba.sk

Tomáš Gibala +421 2 59274 290 tomas.gibala@stuba.sk

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. Božíková, 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
	6	2 - 2	D. Rusnák
Design and Execution of Water Management Structures			
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	I. 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, M. Sokáč
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
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, Dr. Sztruhár),
- waste water treatment plant modelling (contact: Dr. Námer, Dr. Holienčin),
- thickening, dewatering and hygienisation of biosolids (contact: Dr. Holienčin),
- 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. KEGA – 004 - Water Supply (2003 - J. Kriš)
3. Leonardo da Vinci, AQUALINGUA, International dictionary (J. Kriš)
4. Vega 1/8320/01 Complex Monitoring of Solid Waste Disposal Site as a Potential Source of Environment Pollution (2001-2003, Čermák)
5. 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, 5. Program EU (2002 – 2004, Čermák)
6. Vega 1/0310/03 Appraisal of the Impact of CSO in Communal Sewages on Receiving Waters during Storm Rains (2003-2005, Rusnák)
7. Vega 1/8327/01 Disposal of Nitrogen in WWTP Settling Tanks (2001-2003, Holienčin)
8. Vega 1/9356/02 Urban Storm Runoff Management as a Tool for Sustainable Development of Cities and Villages (2002-2004, Sokáč)
9. Project framework: Convention between Czech and Slovak Republics about 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.	Bučko M.	Design of Engineering Networks for Kálnica	Čermáková, M.
2.	Doval M.	Sewage System Extension in Partizanske	Rusnák, D.
3.	Havier M.	Runoff Infiltration in Municipal Drainages	Sztruhár, D.
4.	Chovancová, I.	Design of Engineering Networks for Kočovce	Čermáková, M.
5.	Kebísek, M.	Waste Disposal Sites – Rakovice –3rd Stage	Škultétyová, I.
6.	Kováčková Katarína	Logistics of Waste Management	Čermák, O.
7.	Kubová, K.	Water Supply for Beladice	Božíková, J.
8.	Kuciaková, L.	Utilization of Activated Carbon in Water Treatment Plants in Slovakia	Barloková, D.
9.	Lenart, M.	Design of a Standard Pool for Hotels and Pensions	Božíková, J.
10.	Letko, T.	Design of Reconstruction of a Pool in SPŠS Trenčín	Božíková, J.
11.	Lučivňák, P.	Sewage Systems in Zakamenné and Novot'	Stanko, S.
12.	Mihalovič, J.	Design of Engineering Networks for Hôrka nad Váhom	Čermáková, M.
13.	Pátek, M.	Valuation of the WWTP Šaštín - Stráže with a Possible Connection to other Townships	Hétharši, J.
14.	Pleška, M.	Sludge Hygienisation by Stabilizing Thermophilic Air	Holienčin, A.
15.	Pollák, T.	Sewage System in the Townships of Čáry and Smolinské – A Study	Sztruhár, D.
16.	Prusák, A.	Technical Design for Sugar Industry of Water Treatment,	Hétharši, J.

	Šurany	
17.	Salinková, J. Storm Water Tanks with Overflows	Rusnák, D.
18.	Salva, M. Design of Sewage System in the Township of Radošiná	Sokáč, M.
19.	Tekerová, L. Removal of Heavy Metals from Water	Ilavský, J.
20.	Töröková, S. Hydraulic Assessment of Municipal Water Distribution in the Networks of Nová Bystrica	Tóthová, K.
21.	Zima, K. Reconstruction of Balneotherapy: Irma - Piešťany	Kriš, 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] BOŽÍKOVÁ, J.: 50 Years of the Department of Sanitary Engineering, In: Vodohospodársky spravodajca, Vol. 46, No.11, 2003, pp.11-12
- [2] BOŽÍKOVÁ, J.: Hydrotherapeutic Facilities in a Slovak Spa. In: Projekt a stavba, Vol. 5, No. 4, 2003, pp. 13-15
- [3] ČERMÁK, O. – ČERMÁKOVÁ, M.: Determining the Pressure Losses of Landfill Gas in Polyethylene Gas Piping In: SLOVGAS, Vol.12, 2003, No. 3,15, 2003, pp. 5-17
- [4] ČERMÁK, O.: Landfill Gas Extraction. In: STAVBA, Vol. 6, No. 2, pp.76 – 78
- [5] ČERMÁK, O. – ČERMÁKOVÁ, M.: Definition of a Landfill Stage, In: Vodohospodársky spravodajca, Vol. 6, 11, 2003, No. 10, pp.15 - 17
- [6] ČERMÁK, O. - ČERMÁKOVÁ M.: Landfill Gases in Selected Landfills of Slovakia: Their Composition and Physical Properties, In: ENERGIA, Vol. 5, No.5, 2003, pp.53 –55
- [7] ČERMÁK, O.: Landfill Gas, Its Generation and Fundamentals of Its Extraction and Disposal. In: PROJEKT A STAVBA, Vol. 5, Nos. 7 – 8, 2003, pp.36 – 39
- [8] DUBOVÁ, V. - KRIŠ, J.: Corrosion Tests in a Distribution Water System. In: Vodohospodársky spravodajca, Vol. 46, No.11, 2003, pp.15-17

- [9] FRANKOVÁ, E. - BARLOKOVÁ, D. - ILAVSKÝ, J.: Sorption of Aluminium from Water in Inorganic and Organic Sorbents. In: Vodohospodársky spravodajca, Vol. 46, No. 11, 2003, pp.18-20
- [10] HÉTHARŠI, J. - BELANOVÁ, A.: Impact of Point Sources on the Water Quality in Lowland Regions, In: Vodohospodársky spravodajca, No. 9, 2003
- [11] HETHÁRŠI, J. - KASANOVA, E.: Waste Water, Sources of Energy, In: Energia, Magazín o stratégií a trendoch a politike, No. 3, 2003, p. 54
- [12] HETHÁRŠI, J. - KASANOVA, E.: Improving the Industrial Process of a WWTP Building, In: Vodohospodársky spravodajca, No. 4, 2003, p. 18
- [13] HÉTHARŠI, J. - DUBOVÁ, V.: From the 35th Conference of Water Managers. In: Vodohospodársky spravodajca, No. 12, 2003, p. 20
- [14] KRIŠ, J.: Geothermal Energy in Slovakia. In: Vodohospodársky spravodajca, Vol. 46, No. 8, 2003, pp. 4-8
- [15] KRIŠ, J.: Geothermal Waters in Recreational Facilities in Slovakia. In: Vodohospodársky spravodajca, Vol. 46, No. 9, 2003, pp. 6-9
- [16] KRIŠ, J.: Completing Pools. In: Stavba, Vol. 6, Nos. 1-2, 2003, pp. 50-53
- [17] KRIŠ, J.: Family Pools. In: Projekt a stavba, Vol. 5, Nos. 5-6, 2003, pp. 17-20
- [18] KRIŠ, J.: Water Treatment for Family Pools. In: Stavba, Vol. 6, Nos. 7-8, 2003, pp. 66-69
- [19] UHLIARIKOVÁ, E. - RUSNÁK, D.: Storm Water Runoff from Highways in the SR. In: Projekt a stavba, Nos. 7-8, 2003, pp. 31 – 34
- [20] UHLIARIKOVÁ, E. - RUSNÁK, D.: Pollution of Storm Water from Runoff from Motored Surfaces under Slovak Conditions. In: Vodohospodársky spravodajca, No. 9, 2003, pp.12 – 13
- [21] NÁMER, J. - SZTRUHÁR, D. - SOKÁČ, M.: Upgrading WWTP Settling Tanks. In: Projekt a stavba, Vols. 5-6, pp.36-38
- [22] SOKÁČ, M.: Alternative Waste Water Venting Systems. In: Stavba, 2003, Nos. 1-2, p. 56
- [23] SOKÁČ, M.: Actual Stages of a Sewage System. In: Slovakia ASB, No. 6, 2003, pp. 76-78
- [24] TÓTHOVÁ, K.: Possibilities for the Utilisation of a Mathematical Model of a Water Distribution Network. In: Vodohospodársky spravodajca, Vol. 46, No. 9, 2003, pp. 14-15
- [25] TÓTHOVÁ, K.: The Water Supplies of Slovak Cities and Villages. In: ASB, Vol. 10, No. 6, 2003, pp. 72-75
- [26] TÓTHOVÁ, K.: Return to the AQUA Exhibition. In: Vodohospodársky spravodajca, Vol. 46, No. 7, 2003, p. 17

Journals, Articles Abroad

- [1] KRIŠ, J.: The Water Supply in Slovakia. In Journal of Water Supply Research and Technology Aqua, Vol. 52, No. 5, 2003, pp. 355-367
- [2] URCIKÁN, P. - RUSNÁK, D.: Designing Overflow and Retention Tanks for Storm Water. In: Vodní hospodářství, No. 12, 2003, pp. 300 – 303

IX. 2 Books and Textbooks

- [1] ČERMÁKOVÁ, M.: Public Utility Networks. STU Bratislava 2003

IX. 3 Conferences

Domestic Conferences

- [1] BARLOKOVÁ, D.: Natural Zeolites in Water Treatment. In: Proceedings of Conference on 50 Years of the Department of Sanitary Engineering, SvF STU, Bratislava, September 2003, 3d Part, pp. 9-14
- [2] BOŽÍK, M. - BOŽÍKOVÁ, J.: Technology for the Assembly of Plastic Materials in Balneotechnical Facilities. In: Proceedings of Workshop on Review of WorldWide Trends on the Process of Preparing and Realising Constructions, STU KTS, CEMAKS, Kočovce, 2003, pp. 72-77
- [3] BOŽÍKOVÁ, J.: Balneotechnical Problems in the Utilization of Thermal Mineral Water. In: Proceedings of conference on 50 Years of the Department of Sanitary Engineering, SvF STU, Bratislava, September 2003, pp. 39-44
- [4] ČAPO, J. – ČERMÁK, O.: Methods of Measurement of Landfill Gas and Its Evaluation, In: Proceedings of Conference on Waste 2003, Spišská Nová Ves, November 2003, pp. 178 – 185
- [5] ČERMÁK, O.: Waste Management as an Important Part of Urban Public Utilities Areas. In: Architectural and Technical Aspects of the Restoration of the Countryside, May 2003 Bratislava
- [6] ČERMÁK, O. – ČERMÁKOVÁ, M.: Characteristics of a Stage of Waste Degradation, In: Proceedings of conference on 50 Years of the Department of Sanitary Engineering, SvF STU, Bratislava, September 2003, pp. 99 – 104
- [7] DUBOVÁ, V. - KRIŠ, J.: Effects of Transported Water on a Steel Pipeline, In : Proceedings of conference on 50 Years of the Department of Sanitary Engineering, SvF STU, Bratislava, September 2003, pp. 3-7
- [8] ILAVSKÝ J.: Removal of Humic Substances from Water by UV Radiation. In: Proceedings of conference on 50 Years of the Department of Sanitary Engineering, SvF STU, Bratislava, September 2003, pp. 15-21
- [9] KRIŠ, J., BOŽÍKOVÁ, J., MIKITA, M.: Importance of Žitný Ostrov for the Water Supply of Slovakia from the Point of View of the Hydraulic Protection of GroundWater. In: Proceedings of conference on 50 Years of the Department of Sanitary Engineering, SvF STU, Bratislava, September 2003, pp. 17-22
- [10] KRIŠ, J.: 50th Anniversary of the Department of Sanitary Engineering. In: Proceedings of conference on 50 Years of the Department of Sanitary Engineering, SvF STU, Bratislava, September 2003, pp. 13-20
- [11] KRIŠ, J.: Special Qualifications for the Operation of a Water Supply and Sewage. In: Proceedings of Conference on 35th Conference of Water Managers, Piešťany, November 2003, pp. 31-37

- [12] HETHÁRŠI, J.: 35th Workshop on Water Management Structures, In: Proceedings of Conference on 35th Conference of Water Managers in Industry, Piešťany, November 2003, pp. 3-7
- [13] HETHÁRŠI, J. - BELANOVÁ, A.: Modular WWTP, Workshop of Water Management Workers, In: Proceedings of 35th Conference of Water Managers, Piešťany, November 2003, pp. 153-159
- [14] HOLIENČIN, A.: Denitrification in WWTP Settling Tanks, In : Reconstruction of Sewage Systems and WWTP, In: Proceedings of Conference, 3d Workshop, Liptovský Ján, November 2003, pp. 250-256
- [15] HORANOVÁ, L.: Monitoring the Modra – Hliny Municipal Landfills. In.: Proceedings of Conference on 50 Years of the Department of Sanitary Engineering, SvF STU, Bratislava, September 2003, pp. 105 – 109
- [16] HORANOVÁ, L.: Stabilisation of a Municipal Landfill. In Proceedings of conference on Waste 2003, Spišská Nová Ves, November 2003, pp. 216-220
- [17] JANKOVIČOVÁ K. - ŠKULTÉTYOVÁ I.: Improvement of Landfills In: Proceedings of Conference on 50 Years of the Department of Sanitary Engineering, SvF STU, Bratislava, September 2003, pp. 127 – 132
- [18] JANKOVIČOVÁ K.: Runoff from Municipal Landfills. In Proceedings of Conference on Waste 2003, Spišská Nová Ves, November 2003, pp. 221 – 227
- [19] JANKOVIČOVÁ K.: Modelling the Water Balance in a Closed Layer Landfill. In: Proceedings of conference on 50 Years of the Department of Sanitary Engineering, SvF STU, Bratislava, September 2003, pp. 111 – 118
- [20] MAHRÍKOVÁ, I.: Small WWTP Sludge Tanks, In: Proceedings of Conference on 50 Years of the Department of Sanitary Engineering, SvF STU, Bratislava, September 2003, pp. 91-79
- [21] NÁMER, J. - SZTRUHÁR, D. – SOKÁČ - MARŠÁLEK, J.: Mathematical Modelling of Waste Water Stream in WWTP Settling Tanks. In: Proceedings of Conference on 50 Years of the Department of Sanitary Engineering, SvF STU, Bratislava, September 2003, pp. 71-76
- [22] RUSNÁK, D.: Science and Research at the Department of Sanitary Engineering and Practical Cooperation, In: Proceedings of conference on 50 Years of the Department of Sanitary Engineering, SvF STU, Bratislava, September 2003, 27 – 30
- [23] RUSNÁK, D.: Using Storm Water Tanks during Reconstruction of Sewage Systems, Reconstruction of Sewage Systems and WWTP, In: Proceeding of Conference, 3d Workshop, Liptovský Ján, November 2003, pp. 71 – 79
- [24] SOKÁČ, M. : Modelling the Water Quality in a Surface Stream. VÚVH Bratislava, April 2003
- [25] SOKÁČ, M.: Simulation of the Water Pollution in the River Hron, In: Proceedings of conference on 50 Years of the Department of Sanitary Engineering, SvF STU, Bratislava, September 2003, pp. 49-55
- [26] STANKO, Š. – JANKOVIČOVÁ, K.: Computer Modelling of Solid Waste Landfills, In: Proceedings of conference on 50 Years of the Department of Sanitary Engineering, SvF STU, Bratislava, September 2003, pp. 133 – 136

- [27] STANKO, Š.: Design and Modeling of the Sewage System. In: Proceedings of conference on 50 Years of the Department of Sanitary Engineering, SvF STU, Bratislava, September 2003, pp. 137-140
- [28] SZTRUHÁR, D.: Using EU Funds for the Modernisation of the Water Supply and Sewage Systems of Slovakia. In: Proceedings of Coneco 2003 Conference, Section: Water Building and Water Management, April 2003, Bratislava
- [29] SZTRUHÁR, D. - SOKÁČ, M.: Monitoring Urban Drainage in Slovakia. In: Proceedings of conference on 50 Years of the Department of Sanitary Engineering, SvF STU, Bratislava, September 2003, pp. 65-70
- [30] ŠKULTÉTYOVÁ, I.: Geological Barrier – Clay Sealing Liner. In.: Proceedings of conference on 50 Years of the Department of Sanitary Engineering, SvF STU, Bratislava, September 2003, pp. 127 - 132
- [31] TÓTHOVÁ, K.: Utilization of a Mathematical Simulation in Water Distribution Control. In.: Special Workshop on Assurance of Drinking Water Quality in a Distribution System, Bratislava 29. April 2003 (CD)
- [32] TÓTHOVÁ, K.: Demonstration of a Mathematical Simulation. In: Special Workshop on The Assurance of Drinking Water Quality in a Distribution System, Bratislava 29. April 2003 (CD)
- [33] TÓTHOVÁ, K.: Possibilities of Using a Mathematical Model in a Water Supply Network. In: Proceedings of conference on 50 Years of the Department of Sanitary Engineering, SvF STU, Bratislava, September 2003, 33-39
- [34] TÓTHOVÁ, K.: Possibilities of Using a Mathematical Model in a Water Supply Network in the Case of a Crisis in a Water Supply Situation. In: Special Workshop on Water Supply Structures in Crisis Situations, September 2003 (CD)
- [35] URCIKÁN, P. – RUSNÁK, D.: Designing Infiltration for Roads, In: Proceedings of Conference on 50 Years of the Department of Sanitary Engineering, SvF STU, Bratislava, pp. 71 - 76

International Conferences

- [1] ČERMÁK, O. - ČERMÁKOVÁ, M.: Monitoring Landfills as a Basis for Their Characterisation. In: Conference on The Environment and Mineral Processing, VŠB-TU Ostrava, June 2003, ISBN 80-248-0071-3, pp. 35-40
- [2] ČERMÁK, O. – ČERMÁKOVÁ, M.: Channelising a Stream under a Landfill. In: Proceedings of Conference, 3d Water Management Workshop, 2003 FAST VUT Brno, pp. 414 – 421
- [3] ČERMÁK, O. – ČERMÁKOVÁ, M. – JANKOVIČOVÁ, K. – HORANOVÁ, E. - ŠKULTÉTYOVÁ, I.: Life Cycle Assessment Based Tools for the Development of Integrated Waste Management Strategies for Cities and Regions with Rapidly Growing Economies, In: 8th International Symposium on Water Management and Hydraulic Engineering, Podbanské, October 2003, pp. 55 – 60
- [4] DUBOVÁ, V. - KRIŠ, J.: Steel Pipeline Corrosion. In: Meeting Present Challenges with a Vision for Global Concerns, Cebu, The Philippines, 13-18. October 2003, pp. 487 – 493

- [5] DUBOVÁ, V. - KRIŠ, J.: Effect of Transported Water on a Steel Pipeline. In: 8th International symposium on Water Management and Hydraulic Engineering, Podbanské, Slovakia, 5.-9. October 2003, pp. 75-81
- [6] DUBOVÁ, V. - KRIŠ, J.: Monitoring and Observation of Steel Pipeline Corrosion. In: Proceedings of International on Drinking Water Conference, Trenčianske Teplice, October 2003, 108 – 114
- [7] FRANKOVÁ, E. - BARLOKOVÁ, D. - ILAVSKÝ, J.: Sorption of Aluminium by Natural Sorbents – Clinoptilolit and Biomass *Penicillium glabrum* In: Proceedings of International Waste 2003 Conference, Spišská Nová Ves, November 2003, pp. 210 – 215
- [8] FRANKOVÁ, E. - BARLOKOVÁ, D. - ILAVSKÝ, J.: Comparison of the Sorption of Aluminium on Natural Sorbents of Inorganic and Organic Origins. In: Proceedings of Conference on Toxicity and Biodegradability of Important Substances and Waste in Water Management, Soláň, September 2003, CD
- [9] GIBALA, T.: Comparison of Calculations Used for Estimating CSO on Receiving Waters by Annual Balance Parameters. In: Proceedings of Water Management Conference, October 2003, Brno, pp. 48-52
- [10] HETHÁRŠI, J. - BELANOVÁ, A.: Reduction of Operating Losses in Water Facilities. Proceedings of Workshop on Water Losses in a Water Distribution Network, Brno, September 2003, p.129
- [11] HETHÁRŠI, J. - BELANOVÁ, A.: Reduction of Industrial Water Loss in Water Management Plants, In Proceedings of Conference on Water Loss in Water Distribution Networks, September 2003
- [12] HOLIENČIN, A.: Disposal of Nitrogen in WWTP Settling Tanks. In: Proceedings of Conference on Design Optimization of the Application and Operation of Sewage Systems and WWTP, Břeclav, October 2003, pp. 150-156
- [13] ILAVSKÝ, J. - BARLOKOVÁ, D.: Antimony in Water and Possibilities for Its Removal. In: Proceedings of International Conference on Drinking Water, October 2003, Trenčianske Teplice, pp. 71 – 79
- [14] ILAVSKÝ, J., BARLOKOVÁ, D.: Problems with Sampling Groundwater Polluted by Oil Hydrocarbons. In: 8th International symposium on Water Management and Hydraulic Engineering 2003, October 2003, Podbanské, pp. 119-126
- [15] ILAVSKÝ, J.: Removal of Humic Substances from Water by Coagulation. In: Proceedings of International conference on Drinking Water, Trenčianske Teplice, October 2003, pp. 100 – 107
- [16] JANKOVIČOVÁ, K.: Methodology of Water Balance in Solid Waste Landfills. In: Proceedings of Conference 3d Water Management Workshop 2003, FAST VUT Brno, pp. 407 - 413
- [17] KRIŠ, J. - MAHRÍKOVÁ, I. - ČERMÁK, O.: Disinfection in Water Facilities, Proceedings of Water Zlín 2003 Conference, Zlín, pp. 37-44
- [18] KRIŠ, J., KVASSAY, V., BREZINA, R., IVANIČ, G.: Waste Water Treatment and Sludge Disposal in the Central Waste Water Treatment Plant (UCOV) in Bratislava. In: 13 th national and 2d international conference on Renewable Energy Sources – the New Insights Into Sewage Sludge, Czestochowa, Poland, February 2003, 307-317

- [19] KRIŠ, J.: Water Pool Standards in Slovakia. In: Proceedings of International Conference on Reconstruction and Modernization of Pools and Swimming Pools in Accordance with EU Legislation, Prague, March 2003, pp. 31-39
- [20] KRIŠ, J.: Swimming Water Quality in the Slovak Republic. In: 4th Symposium on Swimming Pool Construction, Śląska w Gliwicach, Poland, 2003, pp. 39-51
- [21] KRIŠ, J.: The Present State of Sewage and Waste Water Treatment in the SR and Previous Developments. In: 13th national and 2d international conference on Renewable Energy Sources – New Insights into Sewage Sludge, Czestochowa, Poland, February 2003, pp. 154-162
- [22] KRIŠ, J. - MAHRÍKOVÁ, I. - ČERMÁK, O.: Disinfection of Water Facilities. In: 8th International symposium on Water Management and Hydraulic Engineering, Podbanské, Slovakia, October 2003, pp. 211-220
- [23] SOKÁČ, M.: Using Mathematical Modelling for Determining CSOs on Receiving Waters. In: HYDROSPHERE 2003, October, 2003, Břeclav, pp. 43-48
- [24] STANKO, Š. - SAMARJAY, Z.: Technical – Economic Comparison of a Vacuum, Compresson – Gravitation of Sewage, In: Optimization and Operation of Sewage Systems and WWTP, Břeclav, October, 2003, pp. 91-97
- [25] SZTRUHÁR, D. - KRIŠ, J.: Upgrading Water and Sewerage Facilities in Slovakia to Achieve Compliance with Major EU Directives. In: Enhancing Urban Environments by Environmental Upgrading and Restoration, Rome, Italy, November 2003, pp. 299 – 311
- [26] TÓTHOVÁ, K.: Mathematical Model of a Water Supply Network – Applications in Decision-Making. In: Proceedings of International Drinking Water Conference, Trenčianske Teplice, October 2003, pp. 216-220
- [27] TÓTHOVÁ, K., (2003): Water Losses in a Water Distribution System. In: 8th International Symposium on Water Management and Hydraulic Engineering, Podbanské, Slovakia, October 2003, pp. 447-453
- [28] URCIKÁN, P. - RUSNÁK, D.: Sizing Storm Water Tanks on Sewages in a Separate Sewage System. In: Optimization and Operation of Sewage Systems and WWTP, Břeclav, October 2003, pp. 61 – 66