

DEPARTMENT OF LAND AND WATER RESOURCES MANAGEMENT
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I. STAFF

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II. EQUIPMENT

II.1 Teaching and Research Laboratories

Soil physics and hydrological laboratory

CAD and GIS laboratory

Computer room

III. TEACHING

III.1 Graduate Study

Subject	Semester	Hours per Week		Lecturer
		Lectures	Seminars	
Landscape Ecology and Planning	3	2	2	E. Klementová
Reclamation and Conservation of Landscape	7	2	2	E. Klementová K. Hlavčová
Topics in Irrigation Design	9	2	2	E. Klementová V. Heinige,
Land Reclamation	9	0	3	E. Klementová, K. Hlavčová
Pedology and Soil Management	5	2	1	V. Heinige, J. Skalová
Hydraulic Structures	5	1	1	J. Blaha
Water Resources Management	7	2	3	J. Szolgay
Engineering Networks	8	2	2	J. Blaha
Soil Water Regime	9	2	3	J. Skalová
Small Reservoirs	9	2	2	M. Čistý,
Erosion Control and Land Protection	8	3	2	K. Hlavčová
Computer-Aided Engineering Design	6	0	3	M. Čistý
Hydrology	6	3	2	J. Szolgay
River Training	6	2	3	V. Macura
Practical Training	8	4 weeks		M. Čistý
Hydrological Field Measurements	8	4 days		V. Mosný
CAD in Irrigation and Drainage	9	0	3	M. Čistý
Irrigation and Drainage	7	3	2	V. Heinige
Quantitative Hydromorphology	10	2	2	V. Macura
Mathematical Modelling in Hydrology	10	2	0	J. Szolgay K. Hlavčová
Application of GIS in Water Resources	9	2	2	J. Szolgay K. Hlavčová
Sustainable Water Management	10	2	2	S. Kohnová
Regulation of Water Regimes	10	0	2	V. Heinige
River Restoration	10	2	1	V. Macura
Water Bodies in Urban Environments	10	0	2	J. Blaha
Integrated River Basin Management Project	9	0	5	M. Čistý K. Hlavčová V. Macura

IV. RESEARCH TARGETS

- study of ecologically sound river training methods for the protection of riverine biotopes
- guidelines for restoring rivers in Slovakia
- water balance changes as a result of human activities in catchments
- reconstruction and exploitation of irrigation systems during economic transition
- hydrological flood routing and flood forecasting

- computation of design discharges in mountainous catchments
- regionalisation of design discharges in Slovakia
- application of GIS techniques for land protection and sediment yield computation
- methods for estimating the homogeneity of a hydrological time series
- assessment of climatic change impacts on hydrological processes
- adaptation strategies for water resources management during climatic change

V. RESEARCH PROJECTS

1. Small Water Reservoirs as a Landscape Component. Slovak Grant Agency Research Grant (1999 - 2001, E. Klementová)
2. Morphological Conditions for River Restoration. Slovak Grant Agency Research Grant (1999 - 2001, V. Macura)
3. Reconstruction and Exploitation of Irrigation Systems. Slovak Grant Agency Research Grant (1999 - 2001, M. Čistý)
4. Estimation of Extreme Runoff. Slovak Grant Agency Research Grant. Joint project with the Institute of Hydrology of the SAS (1999 – 2001, J. Szolgay)
5. Climate Change Impacts on Water Resources. Project financed by the Ministry of Land Use and Water Resources (1998 - 2002, J. Szolgay, K. Hlavčová)
6. Analysis of Flood Regime in the Upper Hron Basin (2000 - 2002, J. Szolgay)
7. National Climate Programme of the Slovak Republic (2001, J. Szolgay, K. Hlavčová)
8. Stationarity of Discharges on Rivers in the Small Carpathians and Its Effect on Water Resources. Slovak Grant Agency Research Grant (2000 - 2001, V. Mosný)
9. Rainfall-Runoff Modelling for Water Resources Planning. International Bilateral Research Project (2001 – 2002, K. Hlavčová)

VI. COOPERATION

VI.1 Cooperation in Slovakia

1. Bodrog and Hornad Rivers Basin Authority, Kosice
2. Danube River Basin Authority, Bratislava
3. Department of Geography, Faculty of Natural Sciences, Comenius University, Bratislava
4. Department of Land Reclamation, University of Agriculture, Nitra
5. Hron River Basin Authority, Banska Bystrica
6. Institute of Hydrology of the Slovak Academy of Sciences in Bratislava
7. Institute of Land Ecology of the Slovak Academy of Sciences in Bratislava
8. Institute of Zoology of the Slovak Academy of Sciences in Bratislava
9. Ministry of Land Use and Water Resources, Bratislava
10. Ministry of the Environment, Bratislava
11. Irrigation Research Institute, Bratislava
12. Slovak Hydrometeorological Institute, Bratislava
13. Vah River Basin Authority, Piestany
14. Water Resources Research Institute, Bratislava

VI.2 International Cooperation

1. Department of Hydraulic Engineering, Faculty of Civil Engineering, Czech Technical University, Prague, Czech Republic
2. Department of Landscape and Water Management, Faculty of Civil Engineering, Technical University, Brno, Czech Republic
3. Institute of Hydraulics, Hydrology and Water Management, Faculty of Civil Engineering, Vienna University of Technology, Vienna, Austria
4. Department of Hydraulic Structures, Warsaw Agricultural University, Poland
5. Department of Water Resources Engineering, TU Budapest, Hungary
6. VITUKI Budapest, Hungary
7. University of Uppsala, Sweden
8. Department of Water Resources, TU Kaiserslautern, Germany

VI.2.1 Visitors to the Department

1. Peter Molnár - Geographisches Institut ETH, Zurich, Switzerland
2. Gabor Balint - VITUKI Budapest, Hungary
3. Zbigniew Kundzewicz - Research Centre of Agricultural and Forest Environments, Polish Academy of Sciences, Poznan, Poland
4. Adolf Patera - Faculty of Civil Engineering, Czech Technical University, Prague, Czech Republic
4. Karel Vrána - Faculty of Civil Engineering, Czech Technical University, Prague, Czech Republic
5. Miloš Starý - Faculty of Civil Engineering, Technical University, Brno, Czech Republic
6. Miroslav Dumbrovský - Faculty of Civil Engineering, Technical University, Brno, Czech Republic
7. Jan Šálek - Faculty of Civil Engineering, Technical University, Brno, Czech Republic

VI.2.2 Visits of Staff Members and Postgraduate Students to Foreign Institutions

- Kohnová, S.: ETNET 21-ENVIRONMENT WATER, 1. Plenary Meeting, Delft
- Kohnová, S.: ETNET 21-ENVIRONMENT WATER Workshop, ETH Zurich, Meeting of Partners of SP Groups
- Kubeš, R.: Postgraduate Program on Hydrology and Hydrogeology, Module : Hydrological Forecasting Methods, 1 – 7. 2. 2001, ETH Zurich
- Kubeš, R.: Postgraduate Program on Hydrology and Hydrogeology, Module : Hydrological Risk, 6 – 9. 3. 2001, ETH Zurich
- Kalaš, M.: Postgraduate Program on Hydrology and Hydrogeology, Module : Hydrological Risk, 6 – 9. 3. 2001, ETH Zurich

VII. THESES

VII.1 Graduate Theses

No.	Student's name	Title	Supervisor
1.	M. Hučko	Drainage of the Lieskové – Melčice Region	J. Blaha

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| 2. | M. Hovorková | Using Simulation Models and GIS in Management of Irrigation Schemes | M. Čistý |
| 3. | P. Buček | Impact of Climate Change on River Runoff in Selected Basins in Slovakia | K. Hlavčová |
| 4. | M. Struhárová | Modelling of Nonpoint Source Pollution from a Basin | K. Hlavčová |
| 5. | Ľ. Dorin | Analysis of an Extreme Flood in the Myjava Region | K. Hlavčová |
| 6. | J. Rusnáková | Evaluation of Small Water Reservoirs from Their Landscape-Ecological Aspects | E. Klementová |
| 7. | K. Cveliharová | Methods of Drought Evaluation and Their Application in a Selected Region | E. Klementová |
| 8. | K. Slatárovič | Microspraying - Progressive Irrigation Systems | E. Klementová |
| 9. | V. Bernhauser | Regional Analysis of Maximum Design Discharges Based on L-moments | S. Kohnová |
| 10. | V. Mikulec | Evaluation of Water Soil Regime Characteristics in Unsaturated Zone by Mathematical Simulation | J. Skalová |
| 11. | M. Plesník | Using Particle Size Distribution in the Determination of Soil Water Retention Curves | J. Skalová |
| 12. | P. Zelienska | River Regulation of the Jablonka River | V. Macura |
| 13. | A. Bacmaňák | Evaluation of Discharges in the Rudava Basin | V. Mosný |

Students from the University of Kaiserslautern, Germany (Socrates – Erasmus Programme)

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|----|------------|--|--------------------------|
| 1. | B. Hasbach | Comparison of Methods for Design of Extreme Rainfall Estimation in the Upper Hron Region in Central Slovakia | S. Kohnová
J. Szolgay |
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VII.2 Doctoral Dissertation

No.	Student's name	Title	Supervisor
1.	J. Parajka	Grid-Based Mapping of Long-Term Mean Runoff in Slovakia	J. Szolgay
2.	R. Ivančo	Analysis of the Impact of Discharges and River Bed Characteristics on the Aquatic Zone of Streams	V. Macura

VIII. OTHER ACTIVITIES

VIII.1 Special Lectures

1. Regional Estimation of Design Floods. S. Kohnová, Guest Lecturer, International Hydrology Course, Budapest, Hungary.
2. Modelling Transport Processes in Basins. K. Hlavčová, Guest Lecturer, International Hydrology Course, Budapest, Hungary.
3. Modelling Hydrological Processes. J. Szolgay, Guest Lecturer, International Hydrology Course, Budapest, Hungary.

VIII.2 Consulting Activities

1. Čistý, M., et al.: Technological Modernisation of Irrigation and Drainage Systems
2. Čistý, M., et al.: Application of GIS in Regulating Soil Water Regimes
3. Hlavčová, K., et al.: Analysis of Runoff Regime of the Olšaviva River Basin
4. Hlavčová, K., et al.: Impact of Climate Change on Runoff Regime in Western Slovakia
5. Klementová, E., et al.: Methods of Multicriterial Evaluation of Irrigation and Drainage Systems
6. Kohnova, S., et al.: Analysis of Extreme Flood in the Vycoma Catchment
7. Macura, V., et al.: Ecological Aspects of Water Management Measures and Proposals for Improving Landscape Ecology

IX. PUBLICATIONS

IX.1 Journals

Current Contents

- [1] HOLČÍK, J. - MACURA, V.: Some Problems with Interpretation of the Impact of Stream Regulation Upon Fish Communities. *Ecologia*, Vol. 20, 2001, No. 4, pp. 423-434 (in English)

Journals

- [1] BLAHA, J. - KLEMENTOVÁ, E.: Protection of Urban Slope Areas Against Wetting from Overland Flows and Underground Water. *Construction*, Vol. IV, 2001, No. 2, pp. 41-43, ISSN 1335-5406 (in Slovak)
- [2] HLAVČOVÁ, K. – HOLKO, L. - SZOLGAY, J. : Generation and Modelling Runoff from Slopes and Small Basins. *Environment*, Vol. 35, 2001, No. 3, pp. 126-132 (in Slovak)
- [3] HLAVČOVÁ, K. – SZOLGAY, J. - KOHNOVÁ, S. – ČISTÝ, M. – KALAŠ, M.: Estimation of Mean Monthly Flows in Small Ungauged Catchments. *Slovak Journal of Civil Engineering*, Vol. VIII, 2000, No. 4, pp. 21-29 (in English)
- [4] HRÍBIK, J. - KLEMENTOVÁ, E.: Evaluation of the Uniformity of Irrigation with the Waterbird IIIAA Type Irrigation Sprayer. *Acta Horticulturae et Regiotecturae*, Vol. 4, 2001, pp. 29-32 (in Slovak)
- [5] KLEMENTOVÁ, E. - HRÍBIK, J.: Uniformity of Irrigation Using Microsprinkler (Microsprinkler “Hadar“ green, code 7110). *Scientific Papers of the Research Institute of Irrigation in Bratislava*, 25, 2001, 8 pp. (in Slovak)
- [6] KLEMENTOVÁ, E.: Changes in Basic Climatic Characteristics with Reference to the Presence of Drought. *Scientific Papers of the Research Institute of Irrigation in Bratislava*, 25, 2001, 8 pp. (in Slovak)
- [7] KLEMENTOVÁ, E.: Evaluation of the Drought of a Region in Connection with Irrigation. *Project and Building*, Vol. 2, 2001, No. 3, pp. 31-34, ISSN 1335-5007 (in Slovak)
- [8] KLEMENTOVÁ, E.: Microirrigation. *Construction*, Vol. IV, 2001, No. 9, pp. 38–40, ISSN 1335 – 5406 (in Slovak)
- [9] KLEMENTOVÁ, E.: Irrigation Today. *Eurostav*, Vol. 7, 2001, No. 6, pp. 17-19, ISSN 1335 – 1249 (in Slovak)
- [10] MACURA, V.: Proposed Optimal Habitat Parameters for Revitalized Streams. *Acta Horticulturae et Regiotecturae*, Vol. 4, 2001 (in Slovak)

- [11] MACURA, V.: Ecological Approach to Principles for Determination of Minimum Flow in Streams. Scientific Papers of the Research Institute of Irrigation in Bratislava, 2001 (in Slovak)
- [12] MACURA, V.: Technical Solution for Stream Revitalization. Eurostav, Vol. 7, 2001, No. 6, pp. 14 – 16, ISSN 1335 – 1249 (in Slovak)
- [13] MIKULEC, V. - SKALOVÁ, J. - ČISTÝ, M.: Effect of Various Climatic Situations on Simulated Soil Water Regime. Acta Hydrologica Slovaca, Vol. 2001, 2001, No. 1, pp. 139-148 (in Slovak)
- [14] PATASSIOVÁ, M. - KLEMENTOVÁ, E.: Assessment of Drought and an Analysis of Precipitation During Its Occurrence. Acta Hydrologica Slovaca, Vol. 2, 2001, No. 2, pp. 58-65 (in Slovak)
- [15] SKALOVÁ, J.: The Effect of Soil and Plant Properties on Water Flow from Groundwater to a Soil Zone as Determined by Lyzometric Measurements. Journal of Hydrology and Hydromechanics, Vol. 49, 2001, No. 1, pp. 34 – 43 (in Slovak)
- [16] STEHLOVÁ, K. - SZOLGAY, J. - KOHNOVÁ, S.: Analysis of Maximum 2-Day Precipitation Depths in the Upper Hron Region. Acta Hydrologica Slovaca, Vol. 2, 2001, No. 2, pp. 167-174 (in Slovak)
- [17] SZOLGAY, J. - HLAVČOVÁ, K.: Evaluation of Climate Change Impact on Runoff and Water Management in Catchments, Part I. Vodohospodársky spravodajca, Vol. XLIV, 2001, No. 4, pp. 9-10 (in Slovak)
- [18] SZOLGAY, J. - HLAVČOVÁ, K.: Evaluation of Climate Change Impact on Runoff and Water Management in Catchments, Part II. Vodohospodársky spravodajca, Vol. XLIV, 2001, No. 5, pp. 13-15 (in Slovak)
- [19] ŠÚTOR, J. - SKALOVÁ, J. - ŠTEKAUEROVÁ, V.: Pedotransfer Functions for the Estimation of Soil Water Retention Curves in the Záhorie Region. Acta Hydrologica Slovaca, Vol. 2, 2001, No. 1, pp. 156-160 (in Slovak)

IX.2 Books and Textbooks

- [1] ČISTÝ, M.: Desktop GIS and Its Use. In: Furdík, J., Koščo, I., eds.: New Technologies and Computer Systems in Regional Planning. Textbook for TEMPUS SPEKTRA, Bratislava 2001, pp. 6-55 (in Slovak), pp. 85-113 (in English), ISBN 80-88999-10-3
- [2] ČISTÝ, M.: Current Irrigation Systems II. In: Možiešik, Ľ., ed.: Progressive Methods for Solving Problems in Hydraulics, Hydrology and Water Management. Textbook for the Postgraduate Course of the Department of Hydrotechnics of SUT. DHT SUT, Bratislava 2001, 69 pp. (in Slovak)
- [3] ČISTÝ, M.: Irrigation and Drainage. In: Lukáč, M., et al.: Water Constructions. ÚSZ SUT, Bratislava 2001, pp. 56-65 (in Slovak)
- [4] MACURA, V. - KOHNOVÁ S. - IVANČO R.: Restoration of Streams. In: Možiešik, Ľ., ed.: Progressive Methods for Solving Problems in Hydraulics, Hydrology and Water Management. Textbook for the Postgraduate Course of the Department of Hydrotechnics of SUT. DHT SUT, Bratislava 2001, 85 pp. (in Slovak)
- [5] KLEMENTOVÁ, E.: Current Irrigation Systems I. Calculations for Small Basins. In: Možiešik, Ľ., ed.: Progressive Methods for Solving Problems in Hydraulics, Hydrology and Water Management. Textbook for the Postgraduate Course of the Department of Hydrotechnics of SUT. DHT SUT, Bratislava 2001, 64 pp. (in Slovak)
- [6] KUBEŠ, R. – HULÍK, F.: German – Slovak Water Management Dictionary. In: Možiešik, Ľ., ed.: Progressive Methods for Solving Problems in Hydraulics, Hydrology and Water

- Management. Textbook for the Postgraduate Course of the Department of Hydrotechnics of SUT. DHT SUT, Bratislava 2001, 32 pp.
- [7] KUNDZEWICZ, Z. - PARRY, M., et al. (SZOLGAY, J., coauthor): Chapter 13: Europe. pp. 631- 693. In: McCARTY, J. J., et al., eds.: Climate Change 2001: Impacts, Adaptation and Vulnerability. Cambridge University Press, Cambridge. 2001, ISBN 0 521 01500 6, 1005 pp.
- [8] SZOLGAY, J. – HLAVČOVÁ, K. - KOHNOVÁ, S.: Methods of Calculating Design Discharges in Small Basins. In: Možiešik, Ľ., ed.: Progressive Methods for Solving Problems in Hydraulics, Hydrology and Water Management. Textbook for the Postgraduate Course of the Department of Hydrotechnics of SUT. DHT SUT, Bratislava 2001 (in Slovak)
- [9] SZOLGAY, J. – HLAVČOVÁ, K. – KOHNOVÁ, S. – BÁLINT, G.: Hydrological Forecasting and Modelling. Handouts for lectures. 32nd International Postgraduate Course on Hydrological Methods of Developing Environmental Management. VITUKI Budapest, 2001, 121 pp. (in English)
- [10] ŠOLTÉSZ, A. – SZOLGAY, J.: English – Slovak Water Management Dictionary. In: Možiešik, Ľ., ed.: Progressive Methods for Solving Problems in Hydraulics, Hydrology and Water Management. Textbook for the Postgraduate Course of the Department of Hydrotechnics of SUT. DHT SUT, Bratislava 2001, 25 pp.
- [11] ŠOLTÉSZ, A. – SZOLGAY, J.: Slovak – English Water Management Dictionary. In: Možiešik, Ľ., ed.: Progressive Methods for Solving Problems in Hydraulics, Hydrology and Water Management. Textbook for the Postgraduate Course of the Department of Hydrotechnics of SUT. DHT SUT, Bratislava 2001, 24 pp.

IX.3 Conference Papers

- [1] BLAHA, J. - MOSNÝ, V. : The Optimal Use of Water Resources at the Vyvrat Reservoirs. In: Majerčák, J., Hortalová, T., eds.: Transport of Water, Chemicals and Energy in the Soil – Crop Canopy – Atmosphere System. The 9th IH SAS Poster Day. IH SAS, Bratislava 2001, 10 pp., CD, ISBN 80-968480-4-6 (in Slovak)
- [2] ČISTÝ, M.: New Optimization Techniques for Design of Reconstruction of Pressurised Distribution Systems in Irrigation Projects. In: Pálmaiová, E.: Water Is Life – Take Care of It. Proceedings of International Conference. WRI, Bratislava 2001, pp. 53-57 (in English)
- [3] ČISTÝ, M. – BAYER, J.: Calibration of Distributed Irrigation Network Models. In: Sustainable Use of Land and Water. Proceedings of the 19th European Regional ICID Conference. ICID, CIID, Brno, Prague 2001, 7 pp., CD (in English)
- [4] ČISTÝ, M.: Support in the Design of Irrigation Networks by Means of Artificial Intelligence. In: Sustainable Use of Land and Water. Proceeding of the 19th European Regional ICID Conference. ICID, CIID, Brno, Prague 2001, 8 pp., CD (in English)
- [5] HLAVČOVÁ, K. – SZOLGAY, J. - KOHNOVÁ, S. – ČISTÝ, M. – KALAŠ, M.: Estimation of Mean Monthly Discharges at Ungauged Sites by Mathematical Models. In: Pálmaiová, E.: Water Is Life – Take Care of It. Proceedings of International Conference. WRI, Bratislava 2001, pp. 97-101, ISBN 80-89062-00-8 (in English)
- [6] HLAVČOVÁ, K. - SZOLGAY, J. – KALAŠ, M. : New Hydrological Scenarios of Seasonal Runoff Distribution in Central Slovakia. In: Sustainable Use of Land and Water. Proceeding of the 19th European Regional ICID Conference. ICID, CIID, Brno, Prague 2001, 9 pp., CD (in English)
- [7] HLAVČOVÁ, K. - SZOLGAY, J. – KALAŠ, M. : Study on the Possible Impact of Climate Change on Runoff in the Northern Carpathian Regions. In: Starosolszky, Ö., ed.:

- International Conference on Water and Nature Conservation in the Danube – Tisza River Basin. Magyar Hidrológiai Társaság, Debrecen 2001, pp. 41-50 (in English)
- [8] HLAVČOVÁ, K. - SZOLGAY, J. – LAPIN, M : New Climate Change Scenarios for Central Slovakia and Their Effects on Seasonal Runoff Distribution for the Years 2000 – 2090. In : Geophysical Research Abstract, Vol. 3, 2001. Abstracts of the Contributions of the 26th General Assembly of the European Geophysical Society, EGS, Nice 2001. ISSN 1029-7006, CD (in English)
- [9] HLAVČOVÁ, K. – KUBEŠ, R. – ZVOLENSKÝ, M.: Reconstruction of Extreme Flood in the Vycoma River Basin. In: Majerčák, J., Hortalová, T., eds.: Transport of Water, Chemicals and Energy in the Soil – Crop Canopy – Atmosphere System. The 9th IH SAS Poster Day. IH SAS, Bratislava 2001, 11 pp., CD, ISBN 80-968480-4-6 (in Slovak)
- [10] HORNÁČKOVÁ, M. - KLEMENTOVÁ, E.: Ecosystems of the Zelenka National Reservation. In: Majerčák, J., Hortalová, T., eds.: Transport of Water, Chemicals and Energy in the Soil – Crop Canopy – Atmosphere System. The 9th IH SAS Poster Day. IH SAS, Bratislava 2001, 7 pp., CD, ISBN 80-968480-4-6 (in Slovak)
- [11] KLEMENTOVÁ, E. – SKALOVÁ, J.: Small Water Reservoirs as an Important Landscape Component. In: Pálmaiová, E.: Water is Life – Take Care of It. Proceedings of International Conference. WRI, Bratislava 2001, pp. 78-83, ISBN 80-89062-00-8 (in English)
- [12] KLEMENTOVÁ, E. – SKALOVÁ, J.: Small Water Reservoirs as an Important Landscape Component. In: Sustainable Use of Land and Water. Proceeding of the 19th European Regional ICID Conference. ICID, CIID, Brno, Prague 2001, 8 pp., CD (in English)
- [13] KLEMENTOVÁ, E. - ŠÍBL, J.: The Peatlands of the Záhorská Nížina Lowlands (Western Slovakia). In: Scientific Papers of the Agricultural University of Cracow, No. 382. AU of Cracow, Cracow 2001, pp. 261-267, ISSN 1233-569X (in English)
- [14] KLEMENTOVÁ, E.: Ecological Stability of a Landscape. In: Bezák, B., ed.: The 8th International Scientific Conference: MOBILITA '01. Bratislava 2001, pp. 435-438, ISBN 80-227-1565-4 (in English)
- [15] KLEMENTOVÁ, E. - BEZÁK, B.: Course on Landscape Ecology and Land Use Planning for Civil Engineers. In: Bezák, B., ed.: The 8th International Scientific Conference: MOBILITA '01. Bratislava, 2001, pp. 495-499, ISBN 80-227-1565-7 (in English)
- [16] KLEMENTOVÁ, E. – LITSCHMANN, T.: Drought and Its Evaluation. In: Salaš, P., ed.: 9th International Horticulturae Conference. Mendel University of Agriculture and Forestry of Brno, Brno 2001, Volume 2, pp. 447-453, ISBN 80-7157-524-0 (in English)
- [17] KLEMENTOVÁ, E. - SKALOVÁ, J.: Environmental Evaluation of Small Water Reservoirs in a Landscape. In: Izakovičová, Z., ed.: World Map of the State of the Environment. Institute of Landscape Ecology, Smolenice 1999, pp.104-110 (printed in 2001) (in English)
- [18] SKALOVÁ, J. - KLEMENTOVÁ, E.: Interaction Between Surface Water and Groundwater. In: Scientific Papers of the Agricultural University of Cracow, No. 382. AU of Cracow, Cracow 2001, pp. 89-96, ISSN 1233-569X (in English)
- [19] ŠÍBL, J. - KLEMENTOVÁ, E.: The Peatlands of the Záhorská Nížina Lowlands (Western Slovakia): Changes in the Water Regime Over the Last 40 Years and the Possibilities for Its Restoration. In: Pálmaiová, E., ed.: Water Is Life – Take Care of It. Proceedings of International Conference. WRI, Bratislava 2001, pp. 58-63, ISBN 80-89062-00-8 (in English)
- [20] KLEMENTOVÁ, E.: Criteria for Evaluation of a Drought. In: Šulek, P., ed.: Impact of Water Management Constructions on the Creation and Protection of the Environment. Proceedings of the 4th DHT SUT Conference (with international participation). ASCO, Bratislava 2001, pp. 201-206, ISBN 80-88820-18-9 (in Slovak)

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