

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, Planning and Urbanism	3	2 – 2		E. Klementová
Landscape Ecology	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 J. Hříbik
Land Reclamation	7	2 – 2		E. Klementová, K. Hlavčová
Pedology and Soil Management	5	2 – 1		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 V. Štekauerová
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		J. Blaha E. Klementová 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 Regime	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. Climate Change Impacts on Water Resources. Project financed by the Ministry of Land Use and Water Resources (1998 - 2002, J. Szolgay, K. Hlavčová)
2. Parametrization of the Extreme Runoff Formation Processes in Slovak Basins under Conditions of the Non-Stationarity of the Hydrological System. Research Grant of the Slovak Grant Agency (2002 – 2004, K. Hlavčová)
3. Rainfall-Runoff Modelling for Water Resources Planning. International Bilateral Research Project (2001 – 2002, K. Hlavčová)
4. Optimization of Water Regime of Landscape As Part of Its Revitalization. Research Grant of the Slovak Grant Agency (2002 - 2004, E. Klementová)
5. Sediment Load Regime in the Small Carpathian Rivers During Extreme Situations. Research Grant of the Slovak Grant Agency (2002-2004, V. Mosný)
6. Analysis of Flood Regime in the Upper Hron Basin (2000 - 2002, J. Szolgay)
7. National Climate Programme of the Slovak Republic (2002, J. Szolgay, K. Hlavčová)
8. Comparative Analysis of Regional Methods for Estimating Design Floods. Research Grant of the Slovak Grant Agency (2001 – 2003, J. Szolgay)
9. Scenarios of Changes in Selected Components of the Hydrosphere and Biosphere in Slovakia. Research Project of APVT (2002 – 2005, J. Szolgay)
10. The Tisza River Project: Real - Life Scale Integrated Catchment Models for Supporting Water and Environmental Management Decision. Research Project of the Commission of the European Communities, Contract No. EVK1-2001-00099 (2002 – 2004, J. Szolgay)
11. European Flood Forecasting System: EFFS. Research Project of the Commission of the European Community, Contract No. EVG1-CT-1999-00011 (2002 – 2003, J. Szolgay)

VI. COOPERATION

VI.1 Cooperation in Slovakia

1. Bodrog and Hornad Rivers Basin Authority, Košice
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
9. Delft Hydraulics, Delft, The Netherlands

VI.2.1 Visitors to the Department

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| 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 |
| 8. Frank Molkethin | TU Berlin, Institute of Hydroinformatics, Germany |
| 9. Peter Holz | TU Cottbus, Institute of Structure Informatics, Germany |

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

- Hlavčová, K.: Fourth EUWATERMAN Workshop, Technical University, Budapest
 Kohnová, S.: ETNET 21-ENVIRONMENT WATER, 2 Plenary Meeting, TU Budapest
 Kubeš, R.: Advanced Study Course on River Basin Modelling. The University of Birmingham, Edgbaston, Great Britain, 7 – 18 October 2002
 Zvolenský, M.: Stochastic Modelling, Hydrological Forecasting and Flood Risk, ETH Zurich, Honggerberg, Switzerland, 12 – 22 February 2002
 Zvolenský, M.: Building a Sustainable Baltic Region – Cooperaton and Communications. Baltic University Student Conference 2002, Borki, Poland, 17 – 21 April 2002
 Zvolenský, M.: Summer Cruise on Board Pogoria Sailing Ship. The Baltic University Programme. Gdynia, Poland, 1 – 15 September 2002
 Zvolenský, M.: Advanced Study Course on River Basin Modelling. The University of Birmingham, Edgbaston, Great Britain, 7 – 18 October 2002

VII. THESES

VII.1 Graduate Theses

No.	Student's name	Title	Supervisor
1.	A. Nagy	Drainage of the Kvetoslavov Region	J. Blaha
2.	M. Klozík	Rehabilitation of Irrigation Schemes	M. Čistý
3.	M. Kučera	Calibration of Simulation Models	M. Čistý
4.	M. Tichý	Diagnosis of a Hydraulic System for an Irrigation Scheme	M. Čistý
5.	H. Alapiová	Climate Change Impact on River Runoff in Selected Basins in Slovakia	K. Hlavčová
6.	L. Glinda	Rainfall – Runoff Modelling in Daily Time Steps	K. Hlavčová
7.	M. Biskupová	Evaluation of Microspraying Irrigation	E. Klementová
8.	B. Vološ	Estimation of Flood Protection in the Malá Svinka Basin	E. Klementová
9.	P. Kavický	Criteria for Allocation of Drought Areas	E. Klementová
10.	S. Jurčová	Analysis of 5-Day Maximum Precipitation Depths on the Upper Hron Basin	S. Kohnová
11.	K. Medved'ová	Application of the GRADEX Method for Estimation of Design Discharges	S. Kohnová
12.	I. Voštinár	Optimal Use of Water Reservoirs in the Vyvrat Basin	V. Mosný
13.	P. Polhorský	River Regulating the Vlára River	V. Macura
14.	M. Martinka	Sensitivity of the Global Mathematical Model for Determination of Saturated Hydraulic Conductivity by Different Methods	J. Skalová
15.	J. Hovorka	Rainfall-Runoff Modeling Using the HBV-Light Model	J. Szolgay

VIII. OTHER ACTIVITIES

VIII.1 Special Lectures

- [1] Regional Estimation of Design Floods. S. Kohnová, Guest Lecturer, International Hydrology Course, Budapest, Hungary
- [2] Modelling Erosion and 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 Regime
- [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.: Assessment of Water Problem Solution from Ecologic and Economic Points of View – the Morava River Basin
- [6] Klementová, E., et al.: Assessment of Water Problem Solution from Ecologic and Economic Points of View – the Danube River Basin
- [7] Klementová, E.: Optimalization of Water Regime of Landscape As a Part of Its Revitalization
- [8] Kohnova, S.: Analysis of Design Floods in the Hron Catchment
- [9] Macura, V., et al.: Ecological Aspects of Water Management Measures and Proposals for Improving Landscape Ecology

IX. PUBLICATIONS

IX.1 Journals

Current Contents

- [1] ŠTEKAUEROVÁ, V. - SKALOVÁ, J. - ŠÚTOR, J.: Using Pedotransfer Functions for Assessment of Hydrolimits. *Plant Production*, Vol. 48, 2002, No. 9, pp. 407-412 (in English)

Journals

- [1] BAČÍK, M. - SZOLGAY, J. - KOHNOVÁ, S. - OPATOVSKÁ, G.: Effect of Flood Shape on the Effectiveness of a Small Dam. 1st Part. *Vodohospodársky spravodajca*, Vol. XLV, 2002, No. 5, pp. 10-12 (in Slovak)
- [2] BAČÍK, M. - SZOLGAY, J. - KOHNOVÁ, S. – OPATOVSKÁ, G.: Effect of Flood Shape on the Effectiveness of a Small Dam. 2d Part. *Vodohospodársky spravodajca*, Vol. XLV, 2002, No. 6, pp. 6-13 (in Slovak)

- [3] ČISTÝ, M. - MACURA, V.: Verification of Heuristic Optimization Techniques for Designing the Reconstruction of Irrigation Projects. *Acta Horticulturae et Regioteecturae*, Vol. 5, 2002, No. 2, pp. 52-55 (in Slovak)
- [4] HLAVČOVÁ, K. - SZOLGAY, J. - KALAŠ, M.: Uncertainties in Assessing the Impact of Climate Change on River Runoff in Slovakia. In: *Geophysical Research Abstracts*, Vol. 4, 2002, ISSN 1029-7006, CD (in English)
- [5] HLAVČOVÁ, K. - SZOLGAY, J. - KOHNOVÁ, S. - ČISTÝ, M. - KALAŠ, M.: Estimation of Mean Monthly Flows in Small Ungauged Basins in Western Slovakia. In: *Geophysical Research Abstracts*, Vol. 4, 2002, ISSN 1029-7006, CD (in English)
- [6] HLAVČOVÁ, K. - SZOLGAY, J. - KALAŠ, M.: Impact of Climate Change on the Seasonal Distribution of Runoff in Slovakia. *Slovak Journal of Civil Engineering*, Vol. X, 2002, No. 2, pp. 10-17 (in English)
- [7] JURČOVÁ, S. - KOHNOVÁ, S. - SZOLGAY, J.: Selection of the Distribution Function of Maximum 5-Day Precipitation Depths. *Acta Hydrologica Slovaca*, Vol. 3, 2002, No. 2, pp. 165-173 (in Slovak)
- [8] KLEMENTOVÁ, E.: Effect of Small Water Reservoirs on the Landscape. *STAVBA - Journal for Building and Architecture*. Vol. V, 2002, No. 2, pp. 54-57, ISSN 1335-5406 (in Slovak)
- [9] KLEMENTOVÁ, E.: Utilization of Microirrigation Systems for Irrigating Residential Green Areas. *STAVBA - Journal for Building and Architecture*, Vol. V, 2002, Nos. 7-8, pp. 52-55, ISSN 1335-5406 (in Slovak)
- [10] KLEMENTOVÁ, E. - LITSCHMANN, T.: Water Management in the Design of Irrigation Construction. *Project and Building*, Vol. 4, 2002, No. 12, pp. 17-20, ISSN 1335-5007 (in Slovak)
- [11] KOHNOVÁ, S. – PARAJKA, J.: Estimation of Design of Maximum Daily Precipitation Depths in a Mountainous Region of Slovakia. In: *Geophysical Research Abstracts*, Vol. 4, 2002, ISSN 1029-7006, CD (in English)
- [12] LÁTEČKA, M. - KLEMENTOVÁ, E. - SIMONÍK, J.: Transformative Modelling of Uniformity in Spring Irrigation. *Acta Horticulturae et Regioteecturae*, Vol. 4, 2002, pp. 9-11, ISSN 1335-2563 (in Slovak)
- [13] MACURA, V. - ČISTÝ, M.: Proposed Optimal Habitat Parameters for Revitalized Streams. *Acta Horticulturae et Regioteecturae*, Vol. 4, 2001, pp. 43 - 46 (printed in 2002) (in Slovak)
- [14] MIKULEC, V. - SKALOVÁ, J.: Evaluation of Soil-Water Regime Characteristics by Mathematical Modelling in the Malé Leváre Locality. *Acta Hydrologica Slovaca*, Vol. 3, 2002, No. 1, pp. 102-112 (in Slovak)
- [15] PARAJKA, J. - KOHNOVÁ, S. - SZOLGAY, J.: Spatial Interpolation of N-year Maximum Precipitation Depths in the Upper Hron Region. *Acta Hydrologica Slovaca*, Vol. 3, 2002, No. 1, pp. 35-45 (in Slovak)
- [16] PARAJKA, J. - HLAVČOVÁ, K. - KALAŠ, M. - SZOLGAY, J. : Effect of Reference Period on Scenarios of Seasonal Runoff Distribution in Western Slovakia. *Acta Hydrologica Slovaca*, Vol. 3, 2002, No. 2, pp. 192-202 (in Slovak)

- [17] PARAJKA, J. - SZOLGAY, J. - HLAVČOVÁ, K. - KALAŠ, M.: Scenarios of Changes in the Long-Term Mean Annual Runoff in Western Slovakia. *Acta Hydrologica Slovaca*, Vol. 3, 2002, No. 1, pp. 10-19 (in Slovak)
- [18] PATASSIOVÁ, M. - KLEMENTOVÁ, E. - LITSCHMANN, T. - ČISTÝ, M.: Occurrences of Drought and Rainfall Analysis During Its Occurrence in the Spring Months. *Acta Hydrologica Slovaca*, Vol. 3, 2002, N°1, pp. 94 – 101, ISSN 1335-6291 (in Slovak)
- [19] SKALOVÁ, J.: Changes in Groundwater Level in the Tlmače-Kalná Area. *Acta Horticulturae et Regioteecturae*, Vol. 4, 2001, pp. 46-50 (in Slovak) (printed in 2002)
- [20] STEHLOVÁ, K. - KOHNOVÁ, S. - SZOLGAY, J.: Regional Analysis of Maximum 2-Day Precipitation Depths in the Upper Hron Region. *Acta Hydrologica Slovaca*, Vol. 3, 2002, No. 2, pp. 155-164
- [21] SZOLGAY, J. - HLAVČOVÁ, K. - KALAŠ, M.: Estimating the Effect of Climate Change Impacts on Runoff Processes. *Journal of Hydrology and Hydromechanics*, Vol. 50, 2002, No. 4, pp. 341-371 (in Slovak)

IX.2 Books and Textbooks

- [1] ČISTÝ, M.: Current Optimization and Simulation Models in Irrigation. Edition of Scientific Works. SUT, Bratislava 2002, 93 pp., ISBN 80-227-1770-3 (in Slovak)
- [2] MAKEL, M. (SZOLGAY, J. - HLAVČOVÁ, K., coauthors): Hydrology. A Lexikographical Dictionary. MŽP SR, Bratislava 2002, 158 pp.
- [3] MOSNÝ, V.: Hydrology. Morphology of Catchments and Discharges. SUT, Bratislava 2002, 111 pp., ISBN 80-227-1782-7 (in Slovak)
- [4] ŠÍBL, J. - DERKA, T. - HOLUBOVÁ, K. - KLEMENTOVÁ, E. - MACURA, V. - HOLČÍK, J.: Restoration of Streams. In: Roháčiková, ed.: Biodiversity Protection. Slovak Agriculture University, Nitra 2002, pp. 88-129, 177-194, ISBN 80-8069-024-3 (in Slovak)

IX.3 Conferences

- [1] BAČÍK, M. - HLAVČOVÁ, K. - OPATOVSKÁ, G. - SZOLGAY, J.: Effect of Small Dams on Flood Protection in Basins. In: Janovický, et al., eds.: 28th Dam Days 2002. Proceedings of the Conference with International Participation. MP SR, SVP, SVHS, Bratislava 2002, pp. 103 – 108 (in Slovak)
- [2] BAROKOVÁ, D. - SKALOVÁ, J.: Effect of the Veľké Kozmálovce Water Dam on the Groundwater Level Regime of the Region. In: Janovický, et al., eds.: 28th Dam Days 2002. Proceedings of the Conference with International Participation. MP SR, SVP, SVHS, Bratislava 2002, pp. 3 – 8 (in Slovak)
- [3] BLAHA, J. - MOSNÝ, V.: Effect of Climate Warming on the Water Storage Deficit in the Vývrat Reservoir. In: Hurtalová, T., et al., eds.: 10th International Poster Day on “Transport of Water, Chemicals and Energy in the Soil - Crop Canopy – Climate System“. IH SAS, GPI SAS, Bratislava 2002, pp. 11-18, CD, ISBN 80-968480-9-7 (in Slovak)
- [4] BORODAJKEVIČOVÁ, M. - MOSNÝ, V.: Monitoring of Suspended Loads in Slovak Rivers. In: Hurtalová, T., et al., eds.: 10th International Poster Day on “Transport of Water,

- Chemicals and Energy in the Soil - Crop Canopy - Climate System“. IH SAS, GPI SAS, Bratislava 2002, pp. 34-39, CD, ISBN 80-968480-9-7 (in Slovak)
- [5] DANIHLÍK, R.: Impact of Climate Change on the Water Regime in Selected Basins of Slovakia. 14th Conference of Young Hydrologists. Works and Studies of SHMI No. 66. SHMI, Bratislava 2002, pp. 79 – 90 (in Slovak)
- [6] HASBACH, B.- KOHNOVÁ, S.- KUBEŠ, R.- SZOLGAY, J.: Comparison of Methods for the Estimation of Design Precipitation on the Hron River. In.: Stadiu, F., ed.: 21st Conference of the Danubian Countries on the Hydrological Forecasting and Hydrological Bases of Water Management. Proceedings of International Conference. National Institute of Meteorology and Hydrology, Bucharest 2002, 12 pp., CD, ISBN 973-0-02759-5 (in English)
- [7] HLAVČOVÁ, K. - SZOLGAY, J. - KALAŠ, M. - KUBEŠ, R.: Potential Impact of Climate Change on River Runoff in Slovakia. In.: Stadiu, F., ed.: 21st Conference of the Danubian Countries on the Hydrological Forecasting and Hydrological Bases of Water Management. Proceedings of International Conference. National Institute of Meteorology and Hydrology, Bucharest 2002, CD, ISBN 973-0-02759-5 (in English)
- [8] HLAVČOVÁ, K. - KUBEŠ, R. – ZVOLENSKÝ, M.: Analysis of Extreme Flood in the Vyčoma River Basin. In: Majerčáková, O. - Babiaková, G., eds.: Participation of Women in the Fields of Meteorology, Operational Hydrology and Related Sciences. Proceedings of International Conference of the Visegrad Countries. SHMI, Bratislava 2002, pp. 166-172, ISBN 80-88907-27-6 (in English)
- [9] HLAVČOVÁ, K. - SZOLGAY, J. - KOHNOVÁ, S. - ZVOLENSKÝ, M.: Reconstruction of Extreme Floods in Small Ungauged Catchments. In: Holko, L., et al., eds.: Interdisciplinary Approaches in Small Catchment Hydrology: Monitoring and Research. International Conference convened by the ERB and UNESCO IHP. NC IHP UNESCO, Demänovská dolina 2002, CD (in English)
- [10] HORNÁČKOVÁ, M. - KLEMENTOVÁ, E.: Solution of the Landscape-Ecological Problems of the Osuské Small Water Reservoir. In: Ďuricová, J.: Urban, Architectonic and Technical Aspects of Landscape Revitalisation. The 2d International Workshop. Slovak University of Technology, Faculty of Civil Engineering, Bratislava 2002, pp. 41-43, ISBN 80-227-1802-5 (in Slovak)
- [11] JURÁKOVÁ, M. - KLEMENTOVÁ, E.: Peatbogs of the Záhorská Nížina Lowlands: Their Classification According to Ramsar Convention Principles. In: Hurtalová, T., et al., eds.: 10th International Poster Day on “Transport of Water, Chemicals and Energy in the Soil - Crop Canopy - Climate System“. IH SAS, GPI SAS, Bratislava 2002, CD, ISBN 80-968480-9-7 (in Slovak)
- [12] JURÁKOVÁ, M. - KLEMENTOVÁ, E.: Peatbogs of the Záhorská Nížina Lowlands – Assessment and Revitalisation to Natural State. In: Klukanová, A. - Hrašna, M., eds.: Geology and the Environment. SAIG, SAH, ŠGÚDŠ, Bratislava 2002, pp. 142-145, CD, ISBN 80-88974-40-2 (in Slovak)
- [13] KLEMENTOVÁ, E. - BLAHA, J.: Precipitation - Basic Climate Characteristics of Natural Conditions in Slovakia. In: Vlčková, E., ed.: Proceedings of the Scientific Work. Nitra 2002, pp. 104-106, ISBN 80-7137-999-9 (in Slovak)
- [14] KLEMENTOVÁ, E. - LITSCHMANN, T.: Detection of Drought Occurrences in Hurbanovo. In: Antal, J., ed.: Expected Global Changes in Climate and Their Possible Impact on Water Regime, and Field and Forestry Management. Volume No. 27

of the Slovak Academy of Agricultural Science. Slovak Academy of Agricultural Science, Nitra 2002, pp. 45-50, ISBN 80-968665-3-2 (in Slovak)

- [15] KLEMENTOVÁ, E. - LITSCHMANN, T.: Drought Assessment with Regard to Complementary Irrigation. In: Izakovičová, Z., ed.: Landscape Planning in the 21st Century. Institute of Landscape Ecology of the Slovak Academy of Sciences, Bratislava 2001, pp. 152-158, ISBN 80-968120-8-4 (printed in 2002) (in Slovak)
- [16] KLEMENTOVÁ, E. - BLAHA, J.: Precipitation as a Significant Characteristic of the Natural Conditions in Slovakia. In: Vukelic, Z., ed.: 2d International Workshop on Research on Irrigation and Drainage. Macedonian National ICID Committee on Irrigation and Drainage, Skopje, Republic of Macedonia 2002, pp. 71-78 (in English)
- [17] KLEMENTOVÁ, E. - SKALOVÁ, J.: Small Water Reservoirs. In: Vukelic, Z., ed.: 2d International Workshop on Research on Irrigation and Drainage. Macedonian National ICID Committee on Irrigation and Drainage, Skopje, Republic of Macedonia 2002, pp. 115-120 (in English)
- [18] KLEMENTOVÁ, E. - LITSCHMANN, T.: Drought and Its Evaluation. In: Maticic, B., ed.: Drought Mitigation and Prevention of Land Desertification. Proceedings of International Commission on Irrigation and Drainage. ERWG – ERWTD - SINICID Conference Bled, ICID Slovenia, 2002, CIP UDC 556.1:167:626.81/84:627.5:628.1.033.627(063) CD (in English)
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