

7. LITERATÚRA

- Aeby, P. – Forrer, I. – Steinmeyer, C. – Flühler, H.: Image analysis for determination of dye tracer concentrations in sand columns. *Soil Sci. Soc. Am. J.*, 61, 1997, 1, 33 – 35.
- Akerman, K.: Rádioindikátorová metóda v praxi. Alfa, Bratislava 1972, 404 s.
- Andreini, M. S. – Steenhuis, T. S.: Preferential paths of flow under conventional and conservation tillage. *Geoderma*, 46, 1990, 85 – 102.
- Barbee, G. C. – Brown, K. W.: Comparison between suction and free-drainage soil solution samplers. *Soil Sci.*, 141, 1986, 149 – 154.
- Behrens, H.: New insights into the chemical behaviour of radioiodine in aquatic environments. In: Proc. Int. Symp. Environmental migration of long-lived radionuclides. IAEA, Viedeň 1982, s. 27 – 40.
- Beigel, C. – Di Pietro, L.: Transport of triticonazole in homogeneous soil columns: Influence of nonequilibrium sorption. *Soil Sci. Soc. Am. J.*, 63, 1999, 5, 1077 – 1086.
- Benetin, J. – Šútor, J.: Opredelenie infiltracionnych svojstv počvy i ee hidrofizickich charakteristik pri ispol'zovanii eksperimentalnoj ustanovki dlja doždevanja. In: Dzubák, M. – Šútor, J. (eds): Izmerenie parametrov vodnogo režima počvy i prilegajuščej k nej atmosfery i vegetacionnogo pokrova. Trebišov 1982, s. 45 – 54.
- Bergmann, H. – Sackl, B. – Maloszewski, P. – Stichler, W.: Hydrological investigations in a small catchment area using isotope data series. In: Proc. 5th Int. Symp. Under-ground water tracing. Inst. of Geology and Mineral Exploration, Athens 1986, s. 255 – 272.
- Betson, R. P.: What is watershed runoff? *J. Geoph. Res.*, 69, 1964, 8, 1541 – 1552.
- Beven, K. – Germann, P.: Macropores and water flow in soils. *Water Resources Res.*, 18, 1982, 5, 1311 – 1325.
- Blake, S. – Foster, G. N. – Fischer, G. E. J.: Effects of managements practices on the carabid faunas of newly established wildflower meadows in Southern Scotland. In: 3rd Int. Symp. Carabidology, Kauniainen (Finland) 1995.
- Boháč, J. – Syrovátka, O. – Frouz, J.: Communities of carabids and staphylinids in restored wetlands in Southern Bohemia. In: 3rd Int. Symp. Carabidology, Kauniainen (Finland) 1995a.
- Boháč, J. – Frouz, J. – Syrovátka, O.: The effect of subsurface pipe drainage on carabids and staphylinids on seminatural peat meadows. In: 8th Int. Symp. Bioindicators, 1995b.
- Boll, J. – Steenhuis, T. S. – Selker, J. S.: Fiberglass wicks for sampling of water and solutes in the vadose zone. *Soil Sci. Soc. Am. J.*, 56, 1992, 3, 701 – 707.
- Bonnel, M. : Progress in the understanding of runoff generation dynamics in forests. *J. Hydrol.*, 150, 1993, 217 – 275.
- Booltink, H. W. G. – Bouma, J. – Giménez, D.: Suction crust infiltrometer for

- measuring hydraulic conductivity of unsaturated soil near saturation. *Soil Sci. Soc. Am. J.*, 55, 1991, 2, 566 – 568.
- Bouma, J. – Jongerius, A. – Schoonderbeek, D.: Calculation of saturated hydraulic conductivity of some pedal clay soils using micromorphometric data. *Soil Sci. Soc. Am. J.*, 43, 1979, 2, 261 – 264.
- Bouma, J. – Wösten, J. H. M.: Flow patterns during extended saturated flow in two, undisturbed swelling clay soils with different macrostructures. *Soil Sci. Soc. Am. J.*, 43, 1979, 1, 16 – 22.
- Bowman, R. S.: Evaluation of some new tracers for soil water studies. *Soil Sci. Soc. Am. J.*, 48, 1984, 5, 987 – 993.
- Bunzl, K. – Bachhuber, H. – Schimmack, W.: Distribution coefficients of ^{137}Cs , ^{85}Sr , ^{141}Ce , ^{103}Ru , ^{131}I and $^{95\text{m}}\text{Tc}$ in the various horizons of cultivated soils in Germany. In: Proc. Int. Symp. Recent investigations in the zone of aeration of the soil. Mnichov 1984, s. 567 – 577.
- Butters, G. L. – Jury, W. A.: Field scale transport of bromide in an unsaturated soil, 2. Dispersion modeling. *Water Resources Res.*, 25, 1989, 1583 – 1589.
- Butters, G. L. – Jury, W. A. – Ernst, F. E.: Field scale transport of bromide in an unsaturated soil. 1. Experimental methodology and results. *Water Resources Res.*, 25, 1989, 7, 1575 – 1581.
- Buttle, J. M. : Isotope hydrograph separations and rapid delivery of pre-event water from drainage basins. *Progress in Physical Geography*, 18, 1994, 1, 18 – 41.
- Clark, I. A. – Fritz, P.: Environmental isotopes in hydrogeology. Lewis Publishers, New York 1998.
- Čipáková, A. – Mitro, A.: Influence of agrochemical characteristics on ^{85}Sr and ^{137}Cs sorption in soil samples from the localities around nuclear power plants in Slovak Republic. *J. Radioecology*, 5, 1997, 2, 3 – 8.
- Damašková, H. – Rösslerová, R.: Transport rozpuštěných látok v půdním prostředí v podmínkách neustáleného proudění: polní experiment. *J. Hydrol. Hydromech.*, 42, 1994, 1, 38 – 50.
- Debicki, R. – Pawłowski, M. – Rejman, J. – Link, M.: A new approach to the design of a nozzle-type rainfall simulator. *Int. Agrophysics*, 7, 1993, 4, 197 – 201.
- Dekker, L. W.: Moisture variability resulting from water repellency in Dutch soils. Doctoral Thesis. Agricultural University, Wageningen 1998, 240 s.
- De Walle, R. D. – Swistock, B. R. – Sharpe, W. E.: Three-component tracer model for stormflow on a small Appalachian forested catchment. *J. Hydrol.*, 104, 1988, 301 – 310.
- Dunne, T.: Models of runoff processes and their significance. In: *Studies in geophysics*. Scientific basis of water resources management. Nat. Academy Press, Washington, D. C. 1982, s. 17 – 30.
- Eriksson, E.: Deuterium and oxygen – 18 in precipitation and other natural waters Some theoretical considerations. *Tellus*, 17, 1965, 4, 498 – 512.

- Fleming, J. B. – Butters, G. L.: Bromide transport detection in tilled and nontilled soil: Solution samplers vs. soil cores. *Soil Sci. Soc. Am. J.*, 59, 1995, 5, 1207 – 1216.
- Forrer, I.: Solute transport in an unsaturated field soil: Visualization and quantification of flow patterns using image analysis. Doctoral Thesis. Eidgenössische Technische Hochschule, Zürich 1997, 129 s.
- Gaston, L. A. – Selim, H. M.: Transport of exchangeable cations in an aggregated clay soil. *Soil Sci. Soc. Am. J.*, 54, 1990, 1, 31 – 38.
- Gažo, J. et al.: Všeobecná a anorganická chémia. Alfa, Bratislava 1978, 807 s.
- Germann, P.: Macropores and hydrologic hillslope processes. In: Anderson, M. G. – Burt, T. P. (eds): Process studies in hillslope hydrology. John Wiley, New York 1990, s. 327 – 363.
- Ghodrati, M.: Point measurement of solute transport processes in soil using fiber optic sensors. *Soil Sci. Soc. Am. J.*, 63, 1999, 3, 471 – 479.
- Ghodrati, M. – Ernst, F. E. – Jury, W. A.: Automated spray system for application of solutes to small field plots. *Soil Sci. Soc. Am. J.*, 54, 1990, 1, 287 – 290.
- Ghodrati, M. – Jury, W. A.: A field study of the effects of soil structure and irrigation methods on preferential flow of pesticides in unsaturated soil. *J. Contam. Hydrol.*, 11, 1992, 101 – 125.
- Gjettermann, B. – Nielsen, K. L. – Petersen, C. T. – Jensen, H. E. – Hansen, S.: Preferential flow in sandy loam soils as affected by irrigation intensity. *Soil Technology*, 11, 1997, 2, 139 – 152.
- Hanes, J.: Analýza sorpčných vlastností pôd. VÚPOP, Bratislava 1999, 138 s.
- Harris, D. M. – McDonnel, J. J. – Rodhe, A.: Hydrograph separation using continuous open system isotope mixing. *Water Resources Res.*, 31, 1995, 1, 157 – 171.
- Herrmann, A.: A recording snow lysimeter. *J. Glaciology*, 20, 1978, 82, 209 – 213.
- Herrmann, A.: The application of isotopic tracer techniques for hydrological process studies. In: Gustrad, A. (ed.): Flow regimes from International Experimental and Network Data, Vol. III. Inventory of streamflow generation studies. Institute of Hydrology, Wallingford 1993, s. 17 – 34.
- Herrmann, A. – Stichler, W.: Isotope input into runoff systems from melting snow covers. *Nordic Hydrology*, 12, 1981, 309 – 318.
- Hewlett, J. D. – Hibbert, A. R.: Factors affecting the response of small watersheds to precipitation in humid areas. In: Sopper, W. E. – Lull, H. W. (eds): Forest hydrology. Pergamon Press, New York 1967, s. 275 – 290.
- Hinton, M. J. – Schiff, S. L. – English, M. C.: Examining the contributions of glacial till water to storm runoff using two- and three-component hydrograph separations. *Water Resources Res.*, 30, 1994, 4, 983 – 993.
- Hinz, C. – Selim, H. M.: Transport of zinc and cadmium in soils: Experimental evidence and modeling approaches. *Soil Sci. Soc. Am. J.*, 58, 1994, 5, 1316 – 1327.
- Hoefs, J.: Stable isotope geochemistry. Springer, Berlin 1987.
- Holder, M. – Brown, K. W. – Thomas, J. C. – Zabcik, D. – Muray, H. E.: Capillary-

- wick unsaturated zone soil pore water sampler. *Soil Sci. Soc. Am. J.*, 55, 1991, 5, 1195 – 1202.
- Holko, L.: Využitie stabilných prírodných izotopov pri hydrologickom výskume horského povodia. Kandidátska dizertačná práca, Ústav hydrológie SAV, Bratislava 1995, 100 s.
- Holko, L. – Herrmann, A. – Schöniger, M. – Schumann, S.: Groundwater runoff in a small mountainous basin (Lange Bramke, Germany): Testing a separation method based on groundwater table and discharge. In: Verhoest, N. E. C. et al. (eds.): ERB 2000 Conf. Monitoring and modeling catchment water quantity and quality. Book of abstracts. Ghent 2000, s. 77 – 79.
- Horton, R. E.: The role of infiltration in the hydrologic cycle. In: Transactions of the AGU 14th annual meeting, Washington, D.C. 1933, s. 446 – 460.
- Húrka, K. – Veselý, P. – Farkač, J.: Využití střevlíkovitých brouků k indikaci kvality prostředí. *Klapalekiana*, 32, 1996, 15 – 26.
- Chendorain, M. – Ghodrati, M.: Real time continuous sampling and analysis of solutes in soil columns. *Soil Sci. Soc. Am. J.*, 63, 1999, 3, 464 – 471.
- IAEA: Laboratory manual on the use of radiotracer techniques in industry and environmental pollution. Technical Reports Series no. 161. International Atomic Energy Agency, Viedeň 1975, 120 s.
- IAEA: Deuterium and Oxygen-18 in the water cycle. Technical Reports Series No. 210, Viedeň 1981.
- IAEA: Guidebook on nuclear techniques in hydrology. Technical Reports Series No. 91, Viedeň 1983.
- Jeng, A. S. – Singh, B. R.: Partitioning and distribution of cadmium and zinc in selected cultivated soils in Norway. *Soil Sci.*, 156, 1993, 4, 240 – 250.
- Jenkins, A. – Ferie, R. C. – Hariman, R. – Ogunkoya, Y. O.: A case study in catchment hydrochemistry: Conflicting interpretations from hydrological and chemical observations. *Hydrol. Processes*, 8, 1994, 335 – 349.
- Jester, W. A. – Briceno, M. – Jarrett, A. R. – Sakuma, S. H. – Yu, C.: Evaluation of lanthanum and praseodymium chelates of DTPA, CDTA, EDTA, and NTA as groundwater tracers. *J. Radioanal. Nucl. Chem.*, 110, 1987, 1, 215 – 220.
- Kantor, J. – Rybár, M. – Garaj, M. – Rúčka, I. – Richtarčík, J.: Izotopová charakteristika vód rôznych genetických typov. Manuscript. Geofond, Bratislava 1985.
- Kantor, J. – Ďurkovičová, J. – Rúčka, I. – Harčová, E. – Eliáš, K. – Garaj, M. – Michalko, J. – Richtarčík, J.: Izotopový výskum hydrogenetických procesov. I. časť. Čiastková záverečná správa. GÚDŠ, Bratislava 1987.
- Kantor, J. – Ďurkovičová, J. – Michalko, J.: Izotopový výskum hydrogenetických procesov. II. časť. Čiastková záverečná správa. Manuscript. GÚDŠ, Bratislava 1989.
- Käss, W. – Geohydrologische Markierungstechnik. Borntraeger, Berlín 1992, 519 s.

- Kazda, R. – Nováková, K. – Píš, V. – Kubů, M. – Lichner, L.: Odber neporušených vzoriek pôdy a odstránenie stenového efektu. In: Hurtalová, T. – Majerčák, J. (eds): VII. posterový deň ÚH SAV a GÚ SAV. Bratislava 1999, s. 48 – 49.
- Kendall, C. – McDonnell, J. J. (eds.): Isotope tracers in catchment hydrology. Elsevier, 1998, 839 s.
- Kliner, K. – Kněžek, M.: Metoda separace podzemního odtoku při využití pozorování hladiny podzemní vody. Vodohosp. Čas., 22, 1974, 5, 457 – 466.
- Kneale, W. R. – White, R. E.: The movement of water through cores of a dry (cracked) clay-loam grassland topsoil. J. Hydrol., 67, 1984, 1 – 4, 361 – 365.
- Kněžek, M.: Podzemní složka odtoku. Práce a studie, sešit 171. Výzkumný ústav vodohospodářský, Praha 1988, 61 s.
- Knutson, J. H. – Selker, J. S.: Unsaturated hydraulic conductivities of fiberglass wicks and designing capillary wick pore-water samplers. Soil Sci. Soc. Am. J., 58, 1994, 3, 721 – 729.
- Kolimár, R.: Štruktúra a dynamika taxocenózy Pselaphinae (Coleoptera, Staphylinidae) v slatinovom lese Carici elongatae Alnetum (Koch, 1926) v n.p.r. Šúr. Katedra zoologie Prír. fak. UK, Bratislava 2000, 117 s.
- Kostka, Z. – Holko, L.: Soil moisture and runoff generation in small mountain basin. ÚH SAV a SVH, Bratislava 1997, 90 s.
- Kovářík, K. et al.: Prenikanie a prenos znečistenia v nenasýtenej zóne. Časť 02. Metodika vyhodnocovania a modelového prognózovania prieniku a prenosu znečistenia nenasýtenou zónou. Záv. správa výsk. úlohy R-52-547-175/02. IGHP, Žilina 1990, 63 s.
- Kreft, A. – Zuber, A.: On the physical meaning of the dispersion equation and its solutions for different initial and boundary conditions. Chem. Engineering Sci., 33, 1978, 1471 – 1480.
- Kung, K.-J. S.: Preferential flow in a sandy vadose zone: 2. Mechanisms and implications. Geoderma, 46, 1990, 1 – 3, 59 – 71.
- Kutílek, M. – Kuráž, V. – Císlarová, M.: Hydropedologie. ČVUT, Praha 1993, 150 s.
- Kutílek, M. – Nielsen, D. R.: Soil hydrology. Catena, Cremlingen-Destedt 1994, 370 s.
- Lauren, J. G. – Wagenet, R. J. – Bouma, J. – Wösten, J. H. M.: Variability of saturated hydraulic conductivity in a Glossaquic Hapludalf with macropores. Soil Sci., 145, 1988, 1, 20 – 28.
- Leaney, F. W. – Smettem, K. R. J. – Chittleborough, D. J.: Estimating the contribution of preferential flow to subsurface runoff from a hillslope using deuterium and chloride. J. Hydrol., 147, 1993, 1 – 4, 83 – 103.
- Lennartz, B. – Kamra, S. K. – Meyer-Windel, S.: Field scale variability of solute transport parameters and related soil properties. Hydrol. Earth System Sciences, 1, 1997, 4, 801 – 811.

7. LITERATÚRA

- Lichner, L.: Rádioindikátorová metóda merania rýchlosťi pohybu vody a vo vode rozpustených látok v nenasýtenej oblasti zeminy. Vodní hospodářství, řada A, 34, 1984, 12, 315 – 319.
- Lichner, L.: Modified gamma method of soil moisture velocity measurement. In: Proc. Xth IMEKO World Congress, Vol. 10, Praha 1985, s. 92 – 99.
- Lichner, L.: Solute movement observation in the field soils by means of radioactive tracers. Radioisotopy, 27, 1986, 1, 7 – 19.
- Lichner, L.: Způsob měření rychlosti infiltrace vody do nenasycené zeminy. AO 263025 zo dňa 29.12.1988. Federální úřad pro vynálezy, Praha 1990.
- Lichner, L.: Laboratory and field measurements of solute transport in soils by means of nuclear tracer technique. Vodohosp. Čas., 40, 1992, 6, 548 – 561.
- Lichner, L.: A nuclear tracer technique for investigation of solute transport in the unsaturated zone of soil. In: Leibundgut, Ch. (ed): Proc. Int. Symp. Tracer technologies for hydrological systems, Boulder 1995. IAHS Publication No. 229, Wallingford 1995, s. 109 – 116.
- Lichner, L.: Porovnanie dvoch metód merania vertikálnej rýchlosťi pohybu vody a prenosu rozpustených látok v pôde. J. Hydrol. Hydromech., 44, 1996, 6, 412 – 423.
- Lichner, L.: K problematike rýchleho prenosu kontaminantov cez pôdu do podzemnej vody. Život. Prostr., 30, 1996, 6, 318 – 321.
- Lichner, L.: In-situ measurement of bypassing ratio in macroporous soil. J. Hydrol. Hydromech., 45, 1997, 5, 365 – 376.
- Lichner, L.: Estimation of bypassing ratio in macroporous soil. In: Clothier, B. E. – Voltz, M. Y. (eds): Proc. 16th World Congress of Soil science, Symp. no. 3: Mass and energy transfers in soils, CD by Cirad, Montpellier 1998a, 7 s.
- Lichner, L.: Vplyv makropórového prúdenia na prenos kadmia v pôde. J. Hydrol. Hydromech., 46, 1998b, 3, 207 – 217.
- Lichner, L. et al.: Prenikanie a prenos znečistenia v nenasýtenej zóne. Časť 01. Skúšobné zariadenia pre terénne merania. Záv. správa výsk. úlohy R-52-547-175/01. IGHP, Žilina 1990, 52 s.
- Lichner, L. – Houšková, B.: Bypassing ratio and its measurement in macropore soil. Rostl. Výroba, 47, 2001, 6, 267 – 270.
- Lichner, L. – Majerčák, J. – Slaboň, S. – Štekauerová, V.: Prenos rozpustených látok v pôde. VEDA, Bratislava 1994, 120 s.
- Lichner, L. – Mészároš, I. – Germann, P. – Mdaghri Alaoui, A. – Šír, M. – Faško, P.: Impact of land-use change on nutrient fluxes in structured soils. In: Heathwaite, L. (ed): Proc. Int. Symp. Impact of land-use change on nutrient loads from diffuse sources, Birmingham 1999. IAHS Publication No. 257, Wallingford 1999, s. 171 – 177.
- Litaor, M. I.: Review of soil solution samplers. Water Resources Res., 24, 1988, 5, 727 – 733.

- Long, F. L.: A glass filter soil solution sampler. *Soil Sci. Soc. Am. J.*, 42, 1978, 5, 834 – 835.
- Mallants, D.: Water flow and solute transport in a heterogeneous soil profile. Doctoral Thesis. Katholieke Universiteit, Leuven 1996, 316 s.
- Mallants, D. – Mohanty, B. P. – Vervoort, A. – Feyen, J.: Spatial analysis of saturated hydraulic conductivity in a soil with macropores. *Soil Technol.*, 10, 1997, 2, 115 – 131.
- Mallants, D. – Vanclooster, M. – Feyen, J.: Transect study on solute transport in a macroporous soil. *Hydrol. Processes*, 10, 1996a, 1, 55 – 70.
- Mallants, D. – Vanclooster, M. – Toride, N. – Vanderborght, J. – van Genuchten, M. Th. – Feyen, J.: Comparison of three methods to calibrate TDR for monitoring solute movement in undisturbed soil. *Soil Sci. Soc. Am. J.*, 60, 1996b, 3, 747 – 754.
- Maloszewski, P. – Zuber, A.: Determining the turnover time of groundwater systems with the aid of environmental tracers, 1. Models and their applicability. *J. Hydrol.*, 57, 1982, 207 – 231.
- Matula, S.: Observation and simulation of water and solute movement in the soil profile. In: Ivančo, J. et al. (eds): III. Ved. konf. Vplyv antropogénnej činnosti na vodný režim nížinného územia. Zemplínska Šírava 1999, s. 231 – 235.
- McIntosh, J. – McDonnell, J. J. – Peters, N. E.: Tracer and hydrometric study of preferential flow in large undisturbed soil cores from the Georgia Piedmont, USA. *Hydrol. Processes*, 13, 1999, 2, 139 – 155.
- Mdaghri Alaoui, A. – Germann, P. – Lichner, L. – Novák, V.: Preferential transport of water and ^{131}I iodide in a clay loam assessed with TDR-technique and boundary layer flow theory. *Hydrol. Earth System Sciences*, 1, 1997, 4, 813 – 822.
- Michalko, J.: Stable isotopes of hydrogen, oxygen and sulphur in the waters of Slovakia. *Slovak Geol. Mag.*, 5, 1999, 1 – 2, 63 – 67.
- Michalko, J. – Malík, P.: Príklady aplikácie izotopovej geochémie v procese poznávania genézy prírodných vód Slovenska. *Podzemná voda*, 4, 1998, 1, 42 – 50.
- Mori, Y. – Maruyama, T. – Mitsuno, T.: Soft X-ray radiography of drainage patterns of structured soils. *Soil Sci. Soc. Am. J.*, 63, 1999, 4, 733 – 740.
- Moser, H. – Rauert, W.: Isotopenmethoden in der Hydrologie. Borntraeger, Berlín 1980, 400 s.
- Navarčík, I. – Čipáková, A. – Palágyi, Š.: Study of physico-chemical forms of ^{85}Sr , ^{137}Cs and ^{109}Cd occurrence in soils. *J. Radioecology*, 2, 1994, 1, 19 – 24.
- Nielsen, J. M. – Pinder, G. F. – Kulp, T. J. – Angel, S. M.: Investigation of dispersion in porous media using fiber-optic technology. *Water Resources Res.*, 27, 1991, 10, 2743 – 2749.
- Novák, V.: Vyparovanie vody v prírode a metódy jeho určovania. Veda, Bratislava 1995, 260 s.
- Nováková, K. – Pís, V. – Kazda, R.: Prenos iónov kadmia v zóne aerácie pôdy.

- In: Majerčák, J. – Hurtalová, T. (eds): VIII. posterový deň Transport vody, chemikálií a energie v systéme pôda – rastlina – atmosféra. Zborník plných textov na CD. Bratislava 2000, 7 s.
- Onodera, S.: Estimation of a rapid recharge mechanism in the semiarid upland, Tanzania, using soil water ^{18}O and Cl. In: Peters, N.E. et al. (eds): Proc. Int. Symp. Tracers in hydrology. IAHS Publication No. 215. Wallingford 1993, s. 151 – 160.
- Pekárová, P. – Pekár, J.: Dvojkroková separácia hydrogramu na tri zložky založená na jednom chemickom stopovači. Vodohosp. Čas., 42, 1994, 6, 365 – 379.
- Plata, A.: Isotopos en hidrologia. Madrid, Alhambra 1972.
- Pospišil, P. – Hulla, J. – Šáro, Š.: Využitie nuklidov v hydrogeologii. Alfa, Bratislava 1981, 256 s.
- Povolný, D. – Šustek, Z.: Consequences of water management on a community of Sarcophagidae (Diptera) in a central European lowland forest. Acta ent. Bohemoslov., 83, 1986, 105 – 131.
- Priebe, D. L. – Blackmer, A. M.: Preferential movement of Oxygen-18-labeled water and Nitrogen-15-labeled urea through macropores in a Nicollet soil. J. Environ. Qual., 18, 1989, 66 – 72.
- Quisenberry, V. L. – Phillips, R. E. – Zeleznik, J. M.: Spatial distribution of water and chloride macropore flow in a well-structured soil. Soil Sci. Soc. Am. J., 58, 1994, 5, 1294 – 1300.
- Radhakrishnan Nair, A. – Pendharkar, A. S. – Navada, S. V. – Rao, S. M.: Groundwater recharge study in Maharashtra. In: Proc. Int. Symp. Isotope hydrology 1978. Vol. II. Viedeň 1979, s. 803 – 826.
- Ressler, D. E. – Horton, R. – Baker, J. L. – Kaspar, T. C.: Testing a nitrogen fertilizer applicator designed to reduce leaching losses. Applied Engineering in Agriculture, 13, 1997, 3, 345 – 350.
- Richter, J. – Szymczak, P. – Jordan, H.: A computer program for the interpretation of isotope hydrogeologic data. In: Hoetzl – Werner (eds.): Tracer hydrology, Balkema, Rotterdam 1992.
- Ritsema, C. J.: Flow and transport in water repellent sandy soils. Doctoral Thesis. Agricultural University, Wageningen 1998, 215 s.
- Robinson, M.: Changing ideas regarding storm runoff processes in small basins. In: Gustrand, A. (ed.): Flow regimes from International Experimental and Network Data, Vol. III. Inventory of streamflow generation studies. Institute of Hydrology, Wallingford 1993, s. 3 – 16.
- Rodhe, A.: The origin of streamwater traced by oxygen-18. Uppsala University, Dept. Phys. Geogr., Div. Hydrol., Report Series A, no 41, Uppsala, 1987, 260 s.
- Saxena, R. K.: Oxygen-18 fractionation in nature and estimation of groundwater recharge. Uppsala University, Dept. Phys. Geogr., Div. Hydrol., Report Series A, no 40, 1987, 152 s.
- Selim, H. M. – Buchter, B. – Hinz, C. – Ma, L.: Modeling the transport and reten-

- tion of cadmium in soils: Multireaction and multicomponent approaches. *Soil Sci. Soc. Am. J.*, 56, 1992, 4, 1004 – 1015.
- Selim, H. M. – Ma, L.: Transport of reactive solutes in soil: A modified two-region approach. *Soil Sci. Soc. Am. J.*, 59, 1995, 1, 75 – 82.
- Shipitalo, M. J. – Edwards, W. M. – Dick, W. A. – Owens, L. B.: Initial storm effects on macropore transport of surface-applied chemicals in no-till soil. *Soil Sci. Soc. Am. J.*, 54, 1990, 6, 1530 – 1536.
- Schimmack, W. – Bunzl, K. – Dietl, F. – Klotz, D.: Infiltration of radionuclides with low mobility (^{137}Cs and ^{60}Co) into a forest soil: Effect of the irrigation intensity. *J. Environ. Radioactivity*, 24, 1994, 53 – 63.
- Schmid, G. – Barczewski, B.: Development and application of a fibre optic fluorimeter for in situ tracer concentration measurements in groundwater and soil. In: Leibundgut, Ch. (ed): Proc. Int. Symp. Tracer technologies for hydrological systems, Boulder 1995. IAHS Publication No. 229, Wallingford 1995, s. 13 – 20.
- Schwarze, R.: Gegliederte Analyse und Synthese des Niederschlags-Abflussprozesses von Einzugsgebieten. Kandidátska dizertačná práca. Technická univerzita, Drážďany 1985.
- Sklash, M. G. – Farvolden, R. N.: The role of groundwater in storm runoff. *J. Hydrol.*, 43, 1979, 45 – 65.
- Starr, J. L. – Parlange, J.-Y.: Dispersion in soil columns: The snow plow effect. *Soil Sci. Soc. Am. J.*, 43, 1979, 3, 448 – 450.
- Starr, J. L. – DeRoo, H. C. – Frink, C. R. – Parlange, J.-Y.: Leaching characteristics of a layered field soil. *Soil Sci. Soc. Am. J.*, 42, 1978, 3, 368 – 391.
- Steenhuis, T. S. – Parlange, J.-Y.: Preferential flow in structured and sandy soils. In: Proc. Nat. Symp. Preferential flow, Chicago 1991, s. 12 – 21.
- Steenhuis, T. S. – Ritsema, C. J. – Dekker, L. W.: Introduction to Special Issue: „Fingered flow in unsaturated soil: from nature to model“. *Geoderma*, 70, 1996, 2 – 4, 83 – 85.
- Stichler, W. – Herrmann, A.: Verwendung von Sauerstoff-18-Messungen für hydrologische Bilanzierungen. *Deutsche Gewässerkundliche Mitteilungen*, 22, 1978, 1, 9 – 13.
- Structure Reports, 25, 1959, pp. 326 – 327.
- Szabová, T. – Čipáková, A.: Stanovenie adsorpcie a koeficientov rozdelenia ^{85}Sr , ^{65}Zn , ^{115}Cd a ^{131}I pre rôzne zeminy. Správa k HZ č. 1/88. Ústav rádioekológie a využitia jadrovej techniky, Košice 1988, 53 s.
- Szabová, T. – Čipáková, A.: Stanovenie sorpcie a distribučných koeficientov ^{85}Sr , ^{65}Zn , ^{115}Cd a ^{131}I pre rôzne pôdne vzorky. Rádioaktivita a životné prostredie, 13, 1990, 3, 101 – 106.
- Šilar, J.: Podzemná voda v hydrologickém cyklu a jako přírodní zdroj. *Vodohosp. Čas.*, 38, 1990, 4, 401 – 426.
- Štekauerová, V.: Simulácia pohybu vody v poľnohospodársky využívanej pôde. *J. Hydrol. Hydromech.*, 46, 1998, 6, 414 – 426.
- Šustek, Z.: Impact of water management on a Carabid community (Insecta,

7. LITERATÚRA

- Coleoptera) in a central European floodplain forest. *Quad. Staz. Ecol. Civ. Mus. St. nat. Ferrara*, 6, 1994, 293 – 313.
- Turner, J. V. – Barnes, Ch.: Modeling of isotope and hydrogeochemical responses in catchment hydrology. In: Kendall, C. – McDonnell, J. J. (eds.): *Isotope tracers in catchment hydrology*. Elsevier, 1998, s. 723 – 760.
- Van de Pol, R. M. – Wierenga, P. J. – Nielsen, D. R.: Solute movement in a field soil. *Soil Sci. Soc. Am. J.*, 41, 1977, 1, 10 – 13.
- Van Ommen, H. C. – Dekker, L. W. – Dijksma, R. – Hulshof, J. – van der Molen, W. H.: A new technique for evaluating the presence of preferential flow paths in nonstructured soils. *Soil Sci. Soc. Am. J.*, 52, 1988, 4, 1192 – 1193.
- Van Stiphout, T. P. J. – Van Lanen, H. A. J. – Boersma, O. H. – Bouma, J.: The effect of bypass flow and internal catchment of rain on the water regime in a clay loam grassland soil. *J. Hydrol.*, 95, 1987, 1/2, 1 – 11.
- Vitvar, T. – Gurtz, J. – Lang, H.: Application of GIS-based distributed hydrological modelling for estimation of water residence times in the small Swiss pre-alpine catchment Rietholzbach. In: Leibundgut, Ch. et al. (eds.): *Proc. Int. Symp. Integrated methods in catchment hydrology – tracer, remote sensing and new hydrometric techniques*. Birmingham 1999. IAHS Publ. No. 258, Wallingford 1999, s. 241 – 248.
- Ward, A. L. – Kachanoski, R. G. – Elrick, D. E.: Laboratory measurements of solute transport using time domain reflectometry. *Soil Sci. Soc. Am. J.*, 58, 1994, 1031 – 1039.
- Ward, R. C.: On the response to precipitation of headwater streams in humid areas. *J. Hydrol.*, 74, 1984, 171 – 189.
- Zuber, A.: Review of existing mathematical models for interpretation of tracer data in hydrology. Proc. of an advisory group meeting on Mathematical models for interpretation of tracer data in groundwater hydrology. IAEA, Viedeň 1986, s. 69 – 116.