

Literatura

- Ahn J. - Ikeda T. - Ohe T.: Quantitative Performance Allocation of Multi-Barrier System for High-Level Radioactive Waste Disposal. *Nippon Genshiryoku Gakkai-Shi*, 37(1), 1995, s. 59-77.
- Alcamo J. - Shaw R. - Hordijk j. (eds.): *The Rains Model of Acidification*. Kluwer Academic Publishers, Dordrecht 1990.
- Allison J. D. - Brown D. S. - Novo-Gradac K. J.: *MINTEQA/PRODEFA2, A Geochemical Assessment Model for Environmental Systems: Version 3.0 User's Manual*, Environmental Research Laboratory, U.S. Environmental Protection Agency, Athens 1991, 96 s.
- Aris R.: On the Dispersion of a Solute in a Fluid Flowing through a Tube. *Proc.R.Soc. London, Ser.A.*, 235(1956),67-77.
- Ball J. W. - Jenne E. A. - Cantrell M. W.: *WATEQ: A Geochemical Model with Uranium - added*. U.S. Geological Survey, Open File Report 81-1183, Menlo Park 1981.
- Barry D. A.: *Modeling Contaminant Transport in Subsurface: Theory and Computer Programs*. V monografii: Ghadiri, H. - Rose C.W.(edit.): *Modeling Chemical Transport in Soils: Natural and Applied Contaminants*, Lewis Publishers, Boca Raton 1992, s. 105 - 144.
- Bäverman C.: Development of "Chemfronts", a Coupled Transport and Geochemical Program to Handle Reaction Front. SKB-TR-93-21, Swedish Nuclear Fuel and Waste Management Co., Stockholm 1993, 254 s.
- Bäverman C. - Moreno L. - Neretkies I.: A Fast Coupled Geochemical and Transport Program and Applications to Waste Leaching and Contaminants Transport. Ve sborníku: Kovar K. - Krásný J. (edit.): *Groundwater Quality: Remediation and Protection (GQ'95)*. IAHS Publication No. 225, IAHS Press, Wallingford 1995, s. 231-238.
- Bear J.: *Hydraulics of Groundwater*, McGraw-Hill, New York 1979.
- Bednář J. - Zikmunda O.: *Fyzika mezní vrstvy atmosféry*. Academia, Praha 1985.
- Beneš P. - Černík M. - Slávik O.: Modelling of Migration of Cs-137 Accidently Released into a Small River. *J.Environ.Radioactivity*, 22, 1994, 279-293.
- Beneš P. - Štamberg K. - Štegmann R.: Study of the Interaction of Cs-137 and Sr-85 with Soils Using a Batch Method: Methodological Problems. *Radiochimica Acta* 66/67, 1994, s. 315-321.
- Berner U.: *KRISTALLIN-I: Estimates of Solubility Limits for Safety Relevant Radionuclides*. PSI--95-07, Paul Scherrer Inst., Villigen (Švýcarsko) 1995, 63 s.
- Boerjesson, S. - Emrén, A.: *SOLISOL - Handling of Solid Solutions*. Version 1.1. SKI-TR--92-21, Swedish Nuclear Power Inspectorate, Stockholm 1992, 58 s.
- Bond K. A. - Moreton A. D. - Heath T. G.: *The HATCHES User Manual*, AEA Decommissioning and Radwaste, Harwell 1992, 18 s.
- Borsilov V.A. - Konoplyov A.V. - Revina S.K.: Experimental Investigation of Radionuclides Washout and Fallout after the Chernobyl Accident. *Meteorol. Gidrol.*, 11, 1989, 45-53 (rus.)
- Brown P.L.: Preliminary Modelling Studies of the Migration and Sorption of Radioelements in the Far Field of a Nuclear Waste Repository. NSS/R-260. AEA-DandR-0123. Harwell (UK), 1991.
- Brown P.L. - Haworth A. - Sharland S. M. - Tweed C. J.: *HARPHRQ: A Geochemical Speciation Program Based on PHREEQE*. NSS-R-188, United Kingdom Nirex Ltd., Harwell 1991, 29 s.

- Bütow E. - Holzbecher E. - Koß V.: Modelling of Migration of Radionuclides from the Ellweiler Uranium Mill Tailings. Ve sborníku: Kovar K. - Krásný J. (edit.): Groundwater Quality: Remediation and Protection (GQ'95), IAHS Publication No. 225, IAHS Press, Wallingford (Velká Británie) 1995, s. 321-328.
- Couchat Ph. - Brissand F. - Gayrand J.P.: A Study of Strontium-90 Movement in Sandy Soil. Soil.Sci.Soc.Am. J., 44, 1980, s. 7-13.
- Dahlblom P.: Hydraulic Gradients in Rock Aquifers. SKN-63, National Board for Spent Nuclear Fuel, Stockholm 1992, 73 s.
- Dubinín M.M. - Raduškevič L.V.: Equation of the Characteristic Curve of Activated Charcoal. Proc.Acad.Sci.Phys.Chem.Chem.Soc. USSR, 55, 1947, 331-333.
- Emrén A.: CRACKER - A Program Coupling Chemistry and Transport. Version 92-11. SKI-TR--93-6, Swedish Nuclear Power Inspectorate, Stockholm 1992, 146 s.
- Fujita T. - Tsukamoto M. - Ohe T. - Nakayama S. - Sakamoto Y.: Modelling of Neptunium(V) Sorption Behavior onto Iron-Containing Minerals. Mat. Res. Soc. Symp. Proc., 353, 1995, s. 965-972.
- Gelhar L.W. - Mantoglou A. - Welty C. - Rehfeldt: A Review of Field Scale Physical Solute Transport Processes in Saturated and Unsaturated Porous Media. EPRI Report EA-4190, 1985.
- Ghadiri, H. - Rose C.W.: Sorbed Chemical Transport Modelling. V monografii: Ghadiri, H. - Rose C.W. (edit.): Modeling Chemical Transport in Soils: Natural and Applied Contaminants, Lewis Publishers, Boca Raton 1992, s. 15 - 104.
- Gindrod P. a kol.: COLLAGE - a Numerical Code for Radionuclide Migration through a Fractured Geosphere in Aqueous and Colloidal Phases. SKI-TR-92-19 a SKI-TR-93-45. Stockholm (Sweden), 1992 a 1993.
- Gosman A. - Blažiček J.: Study of Diffusion of Trace Elements and Radionuclides in Soils. Capillary Modification of the Thin-Layer Method. Diffusion of Cs-137. J. Radioanal. Nuclear. Chem., Articles 182, 1994, s. 174-191.
- Hála E. - Reiser A.: Fyzikální chemie 2, Academia, Praha 1966, 593 s.
- Haworth A. - Smith A. C.: Improvements to the Coupled Chemical Equilibria and Transport Code CHEQMATE. NSS-R--324, United Kingdom Nirex Ltd., Harwell (Velká Británie) 1994, 35 s.
- Helfferich F.: Jonity - osnovy jonného obměny. Izdatel'stvo innostrannoj literatury, Moskva 1962, 485 s.
- Herzog F.: A Simple Transport Model for the Grimsel Migration Experiments. PSI-106. Paul Scherrer Institut, Villigen, Switzerland, 1991.
- Hoefer H. - Bayer A.: Calculation of Radionuclide Dispersion in Flowing Waters with a Dynamic Model. Kerntechnik 58, 1993 (No.3), 164-169.
- Hooker P. J.: The Geology, Hydrogeology and Geochemistry of the Needle's Eye Natural Analogue Site. EUR--13434, Commission of the European Communities, Luxembourg 1991, 43 s.
- Horák J. - Pašek J.: Návrh průmyslových chemických reaktorů z laboratorních dat. SNTL, Praha 1980.
- Hostetler C. J. - Erikson R. L.: Coupling of Speciation and Transport Models. V monografii: Allen H.E. - Perdue E. M. - Brown D. S.(edit.): Metals in Groundwater, Lewis Publishers, Boca Raton 1993, s. 173-208.
- Chandratillake M. - Falck W. E. - Read D.: CHEMVAL Project. Guide to the CHEMVAL Thermodynamic Database, DOE-HMIP-RR--92.094, 1992.

- Jackson C. P. - Lever D. A. - Summer P. J.: Validation of Transport Models for Use in Repository Performance Assessments: A View Illustrated for Intraval Test Case 1b. NSS-R-259, Harwell Laboratory, Harwell 1991, 38 s.
- Jorgensen S.E.: Fundamentals of Ecological Modelling. Elsevier, Amsterdam 1988.
- Jungers J.C. a kol.: Chemická kinetika. Nakladatelství ČSAV, Praha 1963.
- Koß V.: Stand des Wissens zur Sorptionsmodellierung für die Bewertung der Radionuklidmigration in der Sicherheitsanalyse. GFS-TL-34/91, GSF - Forschungszentrum für Umwelt und Gesundheit GmbH, Neuherberg (Německo) 1991, 56 s.
- Kolář V. a kol.: Hydraulika. SNTL, Praha 1966, 713 s.
- Knox R.C. - Satini D.A. - Canter L.W.: Subsurface Transport and Fate Processes. Lewis Publishers, Boca Raton 1993.
- Kraus M. - Schneider P. - Beránek L.: Chemická kinetika pro inženýry, SNTL, Praha 1978, 390 s.
- Kutílek M. - Kuráž V. - Císlerová M.: Hydropedologie (skripta ČVUT, fakulta stavební). Vydavatelství ČVUT, Praha 1993.
- Levenspiel O.: Teorie a výpočty chemických reaktorů. SNTL, Praha 1967, 510 s.
- Longmire P. - Brookins D. G. - Thomson B. M.: Hydrogeochemical Interactions and Evolution of Acidic Solutions in Soil. Ve sborníku: Melchior D. C. - Bassett R. L. (edit.): Chemical modeling of aqueous systems 2. (Symposium on chemical modeling in aqueous systems II., Los Angeles, 25. - 30. 9. 1988), American Chemical Society, Washington 1990, s. 154-168.
- Lunden I. - Anderson K.: Geochemical Modeling of a Bentonite-Groundwater-Rock System in the Presence of Uranium. Nuclear Technology, 104(2), 1993, s. 252-257.
- Maravic H. a kol.: Migration of radionuclides in the Geosphere. EUR-14620.Luxembourg. 1993.
- Marek M. - Eckert E.: Základní vztahy v chemickém inženýrství III. Skripta VŠCHT, SNIL, Praha 1978, 81 s.
- Miyahara K.: Sensitivity of Uranium Solubility to Variation of Ligand Concentrations in Groundwater. J. Nucl. Science and Techn. (Tokyo), 30(4), 1993, s. 314-332.
- Molinari J. - Rochon J.: Mesure des parametres de transport de l'eau et des substances en solution en zone saturée. La Houille Blanche, 3/4, 1976, s. 223-242.
- Moore W.J.: Fyzikální chemie. SNTL, Praha 1979.
- Muurinen A. - Lehtikoinen J. - Pusch R.: Literature Study on the Microstructure of Bentonite and its Effect on Diffusion. YJT-94-22, Technical Research Centre of Finland, Espoo 1994, 96 s.
- Muurinen A. - Lehtikoinen J.: Evaluation of Phenomena Affecting Diffusion of Cations in Compacted Bentonite. YJT-95-05, Nuclear Waste Commission of Finnish Power Companies, 1995, 59 s.
- Ollila K.: Natural Colloids, and Uranium and Thorium Equilibrium in Groundwater of Palmottu Natural Analogue Study Site. Part 2: Uranium and Thorium Equilibrium in Groundwater. Ve sborníku: Suksi J. - Ahonen L. - Niini H.: The Palmottu analogue project. GTK-YST-78, Geological Survey of Finland, Espoo (Finsko) 1991, p. 127-133.
- Onishi Y. - Serne J. - Arnold E. - Cowan C. - Thompson F.: Critical Review: Radionuclide Transport, Sediment Transport, Water Quality, Mathematical Modelling and Radionuclide Adsorption/Desorption Mechanism. NUREG/CR-1322, Pacific Northwest Laboratory, Richland 1981.

- Onishi Y. - Trent D.S.: *Mathematical Simulation of Sediment and Radionuclide Transport in Surface Waters*. NUREG/CR-1034, Washington D.C. 1979.
- Orlob G.T. (ed.): *Mathematical Modeling of Water Quality: Streams, Lakes, and Reservoirs*. International Institut Applied Systems Analysis, Wiley-Interscience, N.Yor 1983.
- Parkhurst D. L. - Thorstenson D. C - Plummer L. N.: *PHREEQE - A Computer Program for Geogical Calculations*. PB 81-167 801, U. S. Geological Survey Water - Resources Investigations, Springfield 1980, 210 s.
- Pechala F. - Bednář J.: *Přiručka dynamické meteorologie*. Academia, Praha 1991.
- Petruzzelli D. - Helfferich F.G.: *Migration and Fate of Pollutants in Soils and Subsoils*. NATO ASI Series, Springer-Verlag, Berlin 1993.
- Plicka J. - Štamberg K.: *Kinetic Model of the Ternary System Based on the Stefan-Maxwell Equation - the Derivation of Kinetic Relations and their Numerical Solution*. Acta Polytechnica - Práce ČVUT v Praze, 19 (IV,2), 1989, s. 33-45.
- Račinskij V.V.: *Vvedenije v obščuju teoriju dinamiki sorbcii i chromatografii*. Nauka. Moskva 1964.
- Read D. - Broyd T. W.: *Verification and Validation of Predictive Computer Programs Describing the Near and Far-Field Chemistry of Radioactive Waste Disposal Systems*. Radiochimica Acta, 44/45, 1988, s. 407-415.
- Read D.: *Report on stages 3 and 4: Testing of Coupled Chemical Transport Models*. EUR-13675, Commission of the European Communities, Luxembourg 1991a, 233 s.
- Read D.: *Status Report on Geochemical Modelling*, GSF 42/91, Institut für Tief Lagerung, GSF - Forschungszentrum, Neuherberg (Německo) 1991b, 159 s.
- Serne R.J.: *Conceptual Adsorption Models Issues Pertining to Performance Assessment*. PNL-SA-20045, Pacific Northwest Laboratory, Richland (USA) 1991, 49 s.
- Scheidegger A.F.: *General Theory of Dispersion in Porous Media*. J.Geoph.Res. 66(10), 1961, 3273-3278.
- Sinclair L. - Berner U.: *Chemical Thermodynamic Database Handling/Conversion Programs for the MINEQL and PHREEQE Codes: User's Guide*. NAGRA-NTB--91-20, Nationale Genossenschaft für die Lagerung, Wettigen (Švýcarsko) 1994, 150 s.
- Skytte Jensen B. - Jensen H. - Haug A.: *Geochemical Modelling*. EUR--14171, Commission of the European Communities, Luxembourg 1992, 289 s.
- Škrkal J.: *Stanovení koeficientu axiální disperze*. Diplomová práce ČVUT FJFI - katedra jaderné chemie, Praha 1994.
- Štamberg K. - Plicka J.: *The Simplified Kinetic Models Describing Binary Ion Exchange Ternary Systems*. Acta Polytechnica - Práce ČVUT v Praze, 18 (IV,2), 1990, s. 5-31.
- Štamberg K. - Vopálka D.: *Modelování procesů sorpce a desorpce v zařízeních protiproudého typu. I. Kinetické vztahy a modelování kontinuálně pracujících kolon a kaskády míchaných reaktorů*. Ve sborníku: Tacl A. - Malý R. - Ulrych B. (edit.): *Symposium Hornická Příbram ve vědě a technice*, N, Příbram 1988, s. 281-291.
- Tessier A., Campbell P.G.C., Bisson M.: *Anal.Chem.* 51, 1979, 864.
- Thýn J.: *Analyza a diagnostika technologických procesů nukleární technikou*. ČSKAE, Praha 1990.
- Tsukamoto M. - Ohe T. - Fujita T.: *Diffusion of Neptunium(V) in Loosely Compacted Sodium Bentonite*. Radiochimica Acta 66/67, 1994, s. 397-403.
- Uusheimo K. - Muurinen A. - Lehikoinen J. - Olin M.: *Diffusion in Concrete, Crushed Rock and Mixtures of Crushed Rock and Bentonite*. YJT--93-26, Technical Research Centre of Finland, Espoo 1993, 47 s.

- Valentová J.: *Hydraulika podzemní vody*. Skripta ČVUT - fakulta stavební, Vydavatelství ČVUT, Praha 1994, 157 s.
- Vieno T.: *Safety Analysis of Disposal of Spent Nuclear Fuel*. VTT Publications 177, Technical Research Centre of Finland, Espoo 1994, 256 s.
- Vopálka D.: *Program PREIMP pro jednoduchou přípravu vstupních dat pro program MINEQL (v elektronické formě)*. FJFI ČVUT, Praha 1991. Soukromé sdělení.
- Wang J.S.Y., Narasimhan T.N.: *Processes, Mechanisms, Parameters, and Modelling Approaches for Partially Saturated Flow in Soil and Rock Media*. SAND-88-7054. Albuquerque (USA), 1993.
- Weber E. (ed.): *Air Pollution Assessment Methodology and Modelling*. Plenum Press, N.York 1982.
- Westall J. C. - Zachary J. L. - Morel F. M. M.: *MINEQL, A Computer Program for the Calculation of Chemical Equilibrium Composition of Aqueous Systems*. Tech. Note 18, Dept. Civil Eng., Massachusetts Institute of Technology, Cambridge 1976, USA.
- Wispelaere De.C. (ed.): *Air Pollution Modelling and Its Application II*. Plenum Press, N.York, 1983.
- Wolery T. J.: *Calculation of Chemical Equilibrium between Aqueous Solution and Minerals: The EQ3/6 Software Package*, Report UCR-52658, Lawrence Livermore Laboratory, Livermore.
- Železnjak M.J. a kol.: *Mathematical Modeling of Radionuclide Dispersion in the Pripyat-Dnieper Aquatic System after the Chernobyl Accident*. *The Science of the Total Environment*, 112, 1992, 89-114.