



## **RNDr. Zbyněk Vencelides, Ph.D.**

Born in 1967 in Vysoké Mýto, Czech Republic. In 1991 he graduated from the Faculty of Science, Charles University in Prague with specialization in geochemistry and geology. In 2000 Zbyněk Vencelides got his Ph.D. from the Charles University in Prague in the field of Applied and Environmental Geology. Since 1994 he has been working for OPV "Groundwater protection, Ltd", Czech private enterprise as hydrogeologist and geochemist. Currently working at positions Project manager and Senior hydrogeologist.

### **Professional interests and fields of work:**

Contaminant hydrogeology, modelling of groundwater flow and pollution, modelling of reactive transport in porous media, geochemistry and risk assessment.

### **Expert activities:**

Several projects concerning risk assessment, contaminant hydrogeology and geochemistry in Czech Republic and abroad. Experiences in international projects (Republic of Zambia, United Arabian Emirates). . Member of IAHR.

### **Selected publications:**

Šráček, O.; Černík, M.; VENCELIDES, Z.; UNIVERZITA PALACKÉHO a PŘÍRODOVĚDECKÁ FAKULTA (2013): Applications of geochemical and reactive transport modeling in hydrogeology. Olomouc: Palacký University. ISBN 978-80-244-3781-1.

Dupalová, T.; Šráček, O.; Vencelides, Z.; Žák, K. (2011): The origin of thermal waters in the northeastern part of the Eger Rift, Czech Republic. Applied Geochemistry [online]. ISSN 08832927.

Šráček, O.; Kříbek, B.; Mihaljevič, M.; Majer, V.; Veselovský, F.; Vencelides, Z.; Nyambe, I. (2012): Mining-related contamination of surface water and sediments of the Kafue River drainage system in the Copperbelt district, Zambia: An example of a high neutralization capacity system. Journal of Geochemical Exploration [online]. ISSN 03756742.

Vencelides, Z.; Hrkal, Z.; Nováková, H.; Prchalová, H. (2012): To what extent can atmospheric deposition influence the natural background of metals in ground waters? A case study in the Czech Republic. Journal of Atmospheric Chemistry [online]. ISSN 0167-7764, 1573-0662.

Franta, P.; Havlová, V.; Kraus, L.; Drtinová, B.; Štamberg, K.; Šráček, O.; Vencelides, Z. (2008): Some approaches to remediation study of the fucoid sandstone in the Straz pod Ralskem site – Northern Bohemia. In: Broder J. MERKEL a Andrea HASCHKE-BERGER, ed. Uranium, Mining and Hydrogeology [online]. Berlin, Heidelberg: Springer Berlin Heidelberg, s. 71–82

Franta, P.; Havlová, V.; Hercík, M.; Polívka, P.; Červinka, M.; Drtinová, B.; Kraus, L.; Štamberg, K.; Vopálka, D.; Šráček, O.; Vencelides, Z.; Brennerová, M.; Eichler, F. (2010): Aplikace inovativních sanačních technologií a postupů při odstraňování následků chemické těžby uranu. Závěrečná zpráva FT-TA3/070 v programu TANDEM. Řež: ÚJV, a.s.

Šráček, O.; Vencelides, Z. (2011): Modeling of reactive transport at a site contaminated by petroleum hydrocarbons at Hnevice, Czech Republic. In: *Geochemical Modeling of Groundwater, Vadose and Geothermal Systems* [online]. B.m.: CRC Press, Multiphysics Modeling, s. 259–266. ISBN 978-0-415-66810-1.

Vencelides, Z.; Hrkal, Z.; Prchalová, H. (2010): Determination of the natural background content of metals in ground waters of the Czech Republic. *Applied Geochemistry* [online]. ISSN 08832927.

Datel, J.V.; Krásný, J.; Uhlík, J.; Valečka, J.; Baier, J.; Dupalová, T.; Hrkal, Z.; Jiráková, H.; Kobr, M.; Nakládal, V.; Procházka, M.; Vencelides, Z. (2010): Geotermální zdroje, jejich limity a trvale udržitelné využití: benešovsko-ústecký zvodněný systém, projekt GA ČR 205/07/0691

Vencelides, Z.; Šráček, O.; Prommer, H. (2007): Modelling of iron cycling and its impact on the electron balance at a petroleum hydrocarbon contaminated site in Hnevice, Czech Republic. *Journal of Contaminant Hydrology*. year 2007, No. 89, p. 270–294.