

CURRICULUM VITAE

Personal Data:

Full Name Vasileios E. Katzourakis
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Telephone Number: 00302610640351 Mobile: 00306976852647
E-mail: billiskatz2@gmail.com Date of Birth: 02/10/1987
Nationality Greek

Education and Qualifications:

Education	Dates	Degree	Major
High School	2002-2005		
University of Patras	2005-2010	BS 7.56/10	Polytechnic Faculty, Department of Civil Engineering
University of Patras	2010-2012	M.Sc	Polytechnic Faculty, Department of Civil Engineering
University of Patras	2012-	Phd	Environmental Engineering Laboratory (upeel) – Department of Civil engineering-University of Patras

M.Sc Advisor: Prof. C.V. CHRYSIKOPOULOS

Phd Advisor: Prof. C.V. CHRYSIKOPOULOS

Area of interest:

- Mathematical and numerical 1D, 2D and 3D modeling of contaminant transport.
- Analytical solutions for solute transport in saturated porous media with semi-infinite or finite thickness.
- Modeling for three-dimensional dispersion in a uniform flow field, first-order decay of aqueous phase and sorbed solutes with different decay rates, and nonequilibrium solute sorption onto the solid matrix of the porous formation.

Skills:

- Great familiarization in Use of PC. Experience in operational systems Windows XP/Vista/7, Mac os.
- Programming Languages: Compact Visual Fortran 6.6c, Intel Fortran 11.0.61 in Visual studio 2008, Netbeans Java, Java mobile, Visual basic in Visual studio 2008.
- Software Packages: Microsoft office (Word, Excel, Power Point, Outlook), Sap2000, Etabs, Autocad 2008-2010, MiniTabs, Pest parameters estimation software.

Foreign Languages:

Very good knowledge of English (First Certificate in English, University of Cambridge)

Professional Memberships:

- "BIOMET" FATE and TRANSPORT of BIOCOLLOIDS in ENVIRONMENTAL SYSTEMS Network
- Technical Chamber of Greece (Member No: 127599)

Participation in Greek Conferences:

Meeting of network [BIOMET]: "AQUATIC RECIPIENTS AND PUBLIC HEALTH"
4/6/2010, Patras.

International conference presentations:

- 1) CHRYSIKOPOULOS, C.V., and V.E. KATZOURAKIS, Another look at the colloid particle size-dependent dispersivity, *Proceedings of the 14th International Conference on Environmental Science and Technology*, Rhodes, Greece, CEST2015_00258, 2015.
- 2) CHRYSIKOPOULOS, C.V., V.E. KATZOURAKIS, and V.I. SYNGOUNA, Transport of dense colloids in porous media, *9th World Congress of EWRA, Water Resources Management in a Changing World: Challenges and Opportunities*, Istanbul, Turkey, P_4_2, 2015.
- 3) CHRYSIKOPOULOS, C.V., V.E. KATZOURAKIS, and V.I. SYNGOUNA, Colloid transport in water saturated porous media: dispersivity, cotransport and gravity effects, *7th International Conference on Porous Media (InterPore)*, Padova, Italy, M4.4/2, 2015 (Invited Presentation).

- 4) KATZOURAKIS, V.E., and C.V. CHRYSIKOPOULOS, Numerical modeling of colloid facilitated virus transport in porous media, (Abstract), EGU, European Geoscience Union General Assembly 2013 Vienna, Austria, HS8.1.6/R354-EGU2013-2108, 2013.
- 5) Β. Κατζουράκης, Κ. Χρυσικόπουλος, Αριθμητική Μοντελοποίηση Συμμεταφοράς Κολλοειδών και Ιών σε Πορώδη Μέσα, 9^ο Πανελλήνιο Επιστημονικό Συνέδριο Χημικής Μηχανικής: Η Συμβολή της Χημικής Μηχανικής στην Αειφόρο Ανάπτυξη, Αθήνα-9^οΠΕΣΧΜ-ΕΝ0363, 2013.
- 6) VASILIADOU, I.A., V.E. KATZOURAKIS, V.I. SYNGOUNA, and C.V. CHRYSIKOPOULOS, C.V., Experimental and theoretical study of *Pseudomonas putida* transport in three-dimensional model aquifer, (Abstract), EGU, European Geoscience Union General Assembly 2012 Vienna, Austria, HS8.1.5/A154-EGU2012-1616, 2012.
- 7) Katzourakis, V.E., and C.V. Chrysiopoulos. A combined ATR-FTIR and NMR study of *Pseudomonas putida* sorption onto different kaolinite minerals, (Abstract), EGU, European Geoscience Union General Assembly 2011 Vienna, Austria, HS8.1.7/A464-EGU2011-10659, 2011.

Publications:

- 1) KATZOURAKIS, V.E., and C.V. CHRYSIKOPOULOS, Fitting the transport and attachment of dense biocolloids in one-dimensional porous media: ColloidFit, 55(2), 156–159, *Groundwater*, doi:10.1111/gwat.12501, 2017
- 2) KATZOURAKIS, V.E., and C.V. CHRYSIKOPOULOS, Modeling dense-colloid and virus cotransport in three-dimensional porous media, *Journal of Contaminant Hydrology*, 181, 102–113, doi:10.1016/j.jconhyd.2015.05.010, 2015
- 3) CHRYSIKOPOULOS, C.V., and V.E. KATZOURAKIS, Colloid particle size-dependent dispersivity, *Water Resources Research*, 51, 4668–4683, doi:10.1002/2014WR016094, 2015
- 4) KATZOURAKIS, V.E., and C.V. CHRYSIKOPOULOS, Mathematical modeling of colloid and virus cotransport in porous media: Application to experimental data, *Advances in Water Resources*, 68, 62–73, doi:10.1016/j.advwatres.2014.03.001, 2014
- 5) CHRYSIKOPOULOS, C.V., V.I. SYNGOUNA, I.A. VASILIADOU, and V.E. KATZOURAKIS, Transport of *Pseudomonas putida* in a three-dimensional bench scale experimental aquifer, *Transport in Porous Media*, 94, 617–642, doi:10.1007/s11242-012-0015-z, 2012
- 6) CHRYSIKOPOULOS, C.V., C.C. PLEGA, and V.E. KATZOURAKIS, Non-invasive in situ concentration determination of fluorescent or color tracers and pollutants in a glass pore network model, *Journal of Hazardous Materials*, 189, 299–306, doi:10.1016/j.hazmat.2011.10.042, 2011.

Other Publications (Monographs and Technical Reports):

- 1) KATZOURAKIS, V.E., and C.V. CHRYSIKOPOULOS, ColloidFit - A multipurpose fitting software for colloid fate and transport phenomena in porous media, User Manual v.1.1.2, doi: 10.13140/RG.2.2.16295.24485, 2017.
- 2) KATZOURAKIS, V.E., and C.V. CHRYSIKOPOULOS, ColloidFit - A multipurpose fitting software for colloid fate and transport phenomena in porous media, User Manual v.1.1.1, doi: 10.13140/RG.2.1.1234.8405, 2016.