

A. Publications in peer reviewed journals

1. C. A. Paraskeva, V. N. Burganos and A. C. Payatakes, "Three-Dimensional trajectory analysis of particle deposition in constricted tubes" *Chem. Eng. Comm.*, **108**, 23-48, 1991, times cited **49**
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11. Iosif T. Hafez, Christakis A. Paraskeva, Asimina Toliza, Pavlos G. Klepetsanis, Petros G. Koutsoukos, Øyvind Gustavsen, Terje Østvold and Alkiviades C. Payatakes, "Calcium Phosphate overgrowth on silicate sand grains", *Crystal Growth and Design*, **6** (3), 675-683, 2006, times cited **9**
12. Ilias D. Kovaos, Christakis A. Paraskeva, Petros G. Koutsoukos and Alkiviades Ch. Payatakes, "Adsorption of Atrazine on Soils. Model Study", *Journal of Colloid and Interface Science*, **299**, 88-94, 2006, times cited **74**
13. I.N. Sgountzos, S. Pavlou, C.A. Paraskeva, A.C. Payatakes, "Growth kinetics of pseudomonas fluorescens in sand beds during biodegradation of phenol, *Biochemical Engineering Journal*, **30** (2), 164-173, 2006, times cited **21**
14. Maria G. Lioliou, Christakis A. Paraskeva, Petros G. Koutsoukos, Alkiviades C. Payatakes, 'Calcium sulfate precipitation in the presence of water-soluble polymers', *Journal of Colloid and Interface Science*, **303**, 164-170, 2006, times cited **47**
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17. C. A. Paraskeva, V.G. Papadakis, D.G. Kanellopoulou, P.G. Koutsoukos and K.C. Angelopoulos, "Membrane filtration of olive mill wastewater (OMW) and OMW fractions"

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18. Maria G. Lioliou, Christakis A. Paraskeva, Petros G. Koutsoukos and Alkiviades C. Payatakes, ‘Heterogeneous Nucleation and Growth of Calcium Carbonate on Calcite and Quartz’, *Journal of Colloid and Interface Science*, **308** (2), 421-428, 2007, times cited **85**
 19. ‘ED Skouras, V.N. Burganos, CA Paraskeva, A.C. Payatakes, “Simulation of the Dynamic Behavior of Horizontal Granular Filters”, *Separation and Purification Technology*, **56**, 325-339, 2007, times cited **16**
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 31. Zagklis, Dimitris P., Koutsoukos Petros G., Paraskeva, Christakis A., ‘A combined coagulation/flocculation and membrane filtration process for the treatment of paint industry wastewaters’, *Industrial & Engineering Chemistry Research*, dx.doi.org/10.1021/ie302086j, **51**, 15456–15462, 2012, (IF: 2.587, times cited **16**)
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35. Katerina Pelendridou, Michail K. Michailides, Dimitris P. Zagklis, Athanasia G. Tekerlekopoulou, Christakis A. Paraskeva, Dimitrios V. Vayenas, ‘Treatment of olive mill wastewater using a hybrid system including aerobic biological treatment following by coagulation-flocculation’, *J of Chemical Technology and Biotechnology*, **89**, 1866-1874, 2014, DOI:10.1002/jctb.4269 (IF: 2.349, times cited: **12**)
 36. Spyridon S. Kontos, Petros G. Koutsoukos, Christakis A. Paraskeva, ‘Removal and recovery of phenolic compounds from olive mill wastewater by cooling crystallization’, accepted, DOI:10.1016/j.cej.2014.04.047, *Chemical Engineering Journal*, **251**, 319-328, 2014 (IF:4.321, times cited **16**)
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Pending

59. Alexis G. Pantziaros, Xenofon A. Trachili, Andreas D. Zentelis, Varvara Sygouni, Christakis A. Paraskeva, A new olive oil production scheme with almost zero wastes, to be submitted in *Journal BIOMASS CONVERSION & BIOREFINERY*.
60. Alexis G. Pantziaros, Constantina Floukou, C.A. Paraskeva, 'Isolation and purification of phenolic compounds from coffee solid wastes: A technoeconomical study, pending
61. Alexis G. Pantziaros, Maria Papafoti, Antreas D. Zentelis, F. Lamari, C.A. Paraskeva Isolation and purification of phenolic compounds from winery by-products, pending,
62. Tzachristas, R.E. Malamoudi, D.G. Kanellopoulou, J. Parthenios, , P.G. Koutsoukos, C.A. Paraskeva, V. Sygouni, Salt precipitation in hydrophilic microchip, in preparation

B. Chapters in books:

1. Burganos, V.N., C.A. Paraskeva, and A.C. Payatakes, "Monte Carlo Simulation of Suspension Flows in Unconsolidated Porous Media", in A. Peters *et al* (Editors): "Computational Methods in Water Resources X", pp. 667-674, Kluwer Acad. Publishers, Dordrecht, The Netherlands, 1994, times cited **1**

2. Skouras, E.D., C.A. Paraskeva, V.N. Burganos, and A.C. Payatakes, "Simulation of particle deposition and loss of permeability during flow of aqueous suspensions in underground formations", in A.A. Aldama *et al* (Editors): "Computational Methods in Water Resources XI", Vol. 1, pp. 245-254, Computational Mechanics Publications, Boston, USA, 1996.
3. Constantinides, G.N., D. Gintides, S.E. Kattis, K. Kiriaki, C.A. Paraskeva, A.C. Payatakes, D. Polyzos, S.V. Tsinopoulos, and S. Yannopoulos, "Particle Shape and Size Analyzer", in G. Dassios *et al* (Editors): "Mathematical Methods in Scattering Theory and Biomedical Technology", Addison Wesley Longman: *Pitman Research Notes in Mathematics Series*, No 390, pp. 65-79, 1998.
4. Ø. Gustavsen, T. Larsen, T. Østvold, C. A. Paraskeva, I. T. Hafez, A. Toliza, P. G. Klepetsanis, P. G. Koutsoukos and A. Payatakes, "Sand stabilization with mineral precipitation", in: I. Lakatos (Ed.), *Progress in Mining and Oilfield Chemistry, Advances in Incremental Petroleum Production*, Vol. 5, 259, 2003
5. Athanasakou Georgia D., Arvaniti Eleni C., Koutsoukos Petros G., Paraskeva Christakis A., 'Nucleation and crystal growth of calcium carbonate under flow conditions', Cat#: K16398 *Mineral Scales in Biological and Industrial Systems*, Edited by Zahid Amjad, CRC Press, Taylor & Francis Books Inc., Boca Raton, London, New York, 2014, times cited 1
6. CA Paraskeva, EC Arvaniti, VG Papadakis, 'Fundamentals and Technoeconomical Analysis of Exploitation of Olive Mill Wastewater to High added Vale By-Products' *Linnaeus Eco-Tech*, 216-223, Published Mar 15, 2017, Issue 2010: Proceedings from Linnaeus ECO-TECH '10, Section Water and Waste Management, Wood Industry and Olive Oil Industry, DOI:http://dx.doi.org/10.15626/Eco-Tech.2010.023

C. International Conferences

1. Paraskeva, C.A., V.N. Burganos, and A.C. Payatakes, "A Three-Dimensional Network Model of Deep Bed Filtration in Granular Porous Media," *AIChE 1989 Annual Meeting*, paper 168 AB, San Francisco, CA, Nov. 5-10, 1989
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3. V. N. Burganos, C. A. Paraskeva and A. C. Payatakes, "A test particle approach for the simulation of horizontal and upflow filtration", *6th World Filtration Congress, Proc.*, pp. 248-251, *6th World Filtration Congress*, Nagoya, Japan, May 18-21, 1993.
4. V. N. Burganos, C. A. Paraskeva and A. C. Payatakes "Monte Carlo simulation of suspension flows in unconsolidated porous media" Paper 131, p.667-674, *X International Conference on Computational Methods in Water Resources*, Heidelberg, Germany, paper 131, 667-674, 1994, times cited 3
5. N. Burganos, C. A. Paraskeva and A. C. Payatakes "Monte Carlo simulation of granular filtration in regular and randomized networks of constricted pores", *INVITED LECTURE*, *American Filtration & Separation Society, Annual Technical Conference*, Nashville, Tennessee, USA, April 23-26, 1995
6. E. D. Skouras, C. A. Paraskeva, V. N. Burganos and A. C. Payatakes, "Simulation of particle deposition and pore clogging during flow of aqueous suspensions in underground formations", *XI International Conference on Computational Methods in Water Resources*", Cancun, Mexico, p. 457-464, July 22-26, 1996
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11. E.D. Skouras, V. N. Burganos, C.A. Paraskeva, and A.C. Payatakes, 'Simulation of the dynamic behavior of depth filtration of non-Brownian particles', EMCC-3, Thessaloniki, May 2003
12. Alkiviades C. Payatakes, Christakis A. Paraskeva, Iosif T. Hafez, Asimina Toliza, Pavlos G. Klepetsanis, Petros G. Koutsoukos, Øyvind Gustavsen and Terje Ostvold, "Consolidation of unconsolidated oil formations with mineral precipitation", EMCC-3, Thessaloniki, May 2003
13. Lioliou G. Maria, Stamatia Rokidi, P. Klepetsanis, C.A. Paraskeva, P.G. Koutsoukos, A.C. Payatakes: "Enzyme mediated calcium phosphate precipitation", Molecular Crystal Engineering Conference, European Science Foundation, Helsinki, Finland, 17 – 22 June 2005
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16. D. G. Kanellopoulou, C.A. Paraskeva, V.G. Papadakis. P.G. Koutsoukos, C. K. Angelopoulos, "Exploitation of olive mill wastewater", AQUA 2005, International Conference of new water culture of South- East European Countries, 21-23 October, 2005, Athens, Greece
17. M. G. Lioliou, A. N. Kofina, T. Larsen, C.A. Paraskeva, P. Klepetsanis, P.G. Koutsoukos, Terje Østvold, A.C. Payatakes: "Mineral precipitation for the controlled consolidation of granular media and stabilization of loose sandy soils", 4th Eastern Mediterranean Chemical Engineering Conference (EMMC4), Dead Sea, Israel, 9-11 January 2006
18. Maria Kanellopoulou, Maria G. Lioliou, Preben Randhol, Christakis A. Paraskeva, "Visualization of CaCO₃ scale formation in 2D model pore networks", The 18th Oil Field Chemistry Symposium, Geilo, Norway, March 25-28, 2007
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