

## Biomimetics & Nanobiotechnology

### Full list of publications

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#### A. INTERNATIONAL JOURNALS

1. Papanikolaou, N. E., Kalaitzaki, A., Karamaouna, F., Michaelakis, A., Papadimitriou, V., Dourtoglou, V., & Papachristos, D. P. Nano-formulation enhances insecticidal activity of natural pyrethrins against *Aphis gossypii* (Hemiptera: Aphididae) and retains their harmless effect to non-target predators. *Environmental Science and Pollution Research*, 1-7, DOI: 10.1007/s11356-017-8596-2. (IF 2015 2.760)
2. E. Mitsou, A. Xenakis, M. Zoumpantioti. "Oxidation catalysis by enzymes in microemulsions." *Catalysts* (2017) 7, DOI: 10.3390/catal7020052 (IF2015 2.964)
3. M. Chatzidaki, K. Papadimitriou, V. Alexandraki, E. Tsirvouli, Z. Chakim, A. Ghazel, K. Mortensen, A. Yaghmur, S. Salentinig, V. Papadimitriou, E. Tsakalidou, A. Xenakis, "Microemulsions as potential carriers of: effect of composition on the structure and efficacy" *Langmuir* (2016) 32, DOI: 10.1021/acs.langmuir.6b02923 (IF2015 4.457)
4. M. Chatzidaki, E. Mateos-Diaz, F. Leal-Calderon, A. Xenakis, F. Carrière "Water-in-Oil microemulsions versus emulsions as carriers of hydroxytyrosol: an in vitro gastrointestinal lipolysis study using the pHstat technique" *Food & Function* (2016) 7, 2258-69. DOI: 10.1039/c6fo00361c (IF2015 2.791)
5. Xenakis, M. Zoumpantioti, and H. Stamatis. "Enzymatic reactions in structured surfactant-free microemulsions." *Current Opinion in Colloid & Interface Science* (2016) 22, 41-45. DOI: 10.1016/j.cocis.2016.02.009. (IF2015 6.234) Cited 2 (0)
6. K. Gonçalves, I.I. Junior, V. Papadimitriou, M. Zoumpantioti, I.C.R., Leal, R.O.M.A. de Souza, Y. Cordeiro, A. Xenakis. "Nanoencapsulated Lecitase Ultra and *Thermomyces lanuginosus* Lipase, a Comparative Structural Study." *Langmuir* 32.26 (2016): 6746-6756. DOI: 10.1021/acs.langmuir.6b00826. (IF2015 4.457)
7. M. Khemakhem, V. Papadimitriou, G. Sotiroidis, P. Zoumpoulakis, C. Arbez-Gindre, N. Bouzouita, T. G. Sotiroidis "Melanin and Humic acid-like polymer complex from olive mill waste waters. Part I. Isolation and Characterization." *Food Chemistry*, (2016) 203 540–547. DOI: 10.1016/j.foodchem.2016.01.110. (IF2015 4.052) Cited 1 (1)
8. M. Khemakhem, G. Sotiroidis, E. Mitsou, S. Avramiotis, T. G. Sotiroidis, N. Bouzouita, V. Papadimitriou. Melanin and humic acid-like polymer complex from

- olive mill waste waters. Part II. Surfactant properties and encapsulation in W/O microemulsions. *Journal of Molecular Liquids* (2016). 222, 480-486. DOI: 10.1016/j.molliq.2016.07.065. (IF2015 2.740) Cited 1(0)
9. M. Chatzidaki, N. Arik, J. Monteil, V. Papadimitriou, F. Leal-Calderon, A. Xenakis "Microemulsion versus emulsion as effective carrier of Hydroxytyrosol" *Colloids and Surfaces B. Biointerfaces* (2016) 137, 146-151, DOI 10.1016/j.colsurfb.2015.04.053 (IF2015 4.152). Cited 8 (2)
  10. E.Mitsou, G. Tavantzis, G. Sotiroudis, D. Ladikos, A. Xenakis, V. & Papadimitriou "Food grade water-in-oil microemulsions as replacement of oil phase to help process and stabilization of whipped cream." *Colloids and Surfaces A: Physicochemical and Engineering Aspects*(2016), 510, 69-76.
  11. M. Chatzidaki, E. Mitsou, A. Yaghmur, A. Xenakis, V. Papadimitriou, "Formulation and characterization of food-grade microemulsions as carriers of natural phenolic antioxidants" *Colloids and Surfaces A: Physicochem. Eng.Aspects*, (2015) 483, 130-6. DOI 10.1016/j.colsurfa.2015.03.060 (IF2015 2.752). Cited 9 (3)
  12. Kalaitzaki, A. Xenakis, V. Papadimitriou "Highly Water Dilutable Microemulsions: A structural study" *Colloid Polym.Sci.* (2015) DOI 10.1007/s00396-014-3496-1. (IF2013 2.410)
  13. A. Kalaitzaki, N.E. Papanikolaou, F. Karamaouna, V. Dourtoglou, A.Xenakis, V.Papadimitriou. "Biocompatible Colloidal Dispersions as Potential Formulations of Natural Pyrethrins: A Structural and Efficacy Study." *Langmuir*, (2015) 31(21), 5722-5730. DOI:10.1021/acs.langmuir.5b00246 (IF 2015 4.457) Cited 5 (1)
  14. N. Tsinisizeli, G. T. Sotiroudis, A. Xenakis, K.E. Lykeridou "Determination of nicotine and cotinine in meconium from Greek neonates and correlation with birth weight and gestational age at birth" *Chemosphere* (2015) 119, 1200-7. DOI:10.1016/j.chemosphere.2014.09.094. (IF20133.499) Cited 3 (0)
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  17. A.F. Zanette, I. Zampakidi, G.T. Sotiroudis, M. Zoumpantioti, I.C.R. Leal, R.O.M.A. de Souza, L. Cardozo-Filho, A. Xenakis "Chemo-enzymatic epoxidation

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18. D. Amadei, M.D. Chatzidaki, J. Devienne, J. Monteil, M. Cansell, A. Xenakis, F. Leal- Calderon “Low shear-rate process to obtain transparent W/O fine emulsions as functional foods” *Food Res.Intern.*(2014) 62, 533-540. doi:10.1016/j.foodres.2014.03.069. (IF2013 3.05)
  19. A. Kalaitzaki, M. Pouloupoulou, V. Papadimitriou, A. Xenakis, “Surfactant-rich biocompatible microemulsions for transdermal administration of methylxanthine drugs” *Colloids and Surfaces A: Physicochem. Eng.Aspects*, (2014) 442, 80-87 doi:10.1016/j.colsurfa.2013.05.055 (IF2013 2.354). Cited 4 (2)
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  21. I.Itabaiana-Jr, K.M.Gonçalves, Y.M.L.Cordeiro, M.Zoumpantioti, I.C.R.Leal, L.S.M.e Miranda, R.M.A Souza , A. Xenakis “Kinetics and mechanism of lipase catalyzed monoacylglycerols synthesis” *J.Mol.Catal.B. Enzymatic* (2013) 96, 34-39. doi:10.1016/j.molcatb.2013.06.008 (IF2013 2.745). Cited 7(1)
  22. A. Kyriazi, V. Papadimitriou, T. G. Sotiroudis, A. Xenakis “Development and characterization of a digestion model based on olive oil microemulsions” *Eur.J.Lipid Sci.Technol.*, 115, (2013) 601-611(IF2013 2.033). Cited 1(1)
  23. V. Papadimitriou, M. Dulle, W. Wachter, T.G. Sotiroudis, O. Glatter, A. Xenakis “Structure and dynamics of veiled virgin olive oil: Influence of production conditions and relation to its antioxidant capacity” *Food Biophys.* (2013) 8, 112-121 (IF2013 1.551).
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