

Biomimetics & Nanobiotechnology

Full list of publications

A. INTERNATIONAL JOURNALS

1. E. Vassiliadi, A. Xenakis, M. Zoumpanioti, "Chitosan Hydrogels: a New and Simple Matrix for Lipase Catalysed Biosyntheses" *Molecular Catalysis*, (2018) 445, 206 – 212, DOI 10.1016/j.mcat.2017.11.031
2. M. Chaari, I. Theochari, V. Papadimitriou, A. Xenakis, E. Ammar, "Encapsulation of carotenoids extracted from halophilic Archaea in oil-in-water (O/W) micro- and nano-emulsions" *Colloids and Surfaces B. Biointerfaces*. (2018), 219-227. (IF2013 4.152).
3. M. Chatzidaki, K. D. Papavasileiou, M. G. Papadopoulos, A. Xenakis, "Reverse micelles as antioxidant carriers: an experimental and molecular dynamics study" *Lamgmuir*, (2017) 33, 5077-5085
4. I. Theochari, M. Goulielmaki, D. Danino, V. Papadimitriou, A. Pintzas, A Xenakis, "Drug nanocarriers for cancer chemotherapy based on microemulsions: the case of Vemurafenib analog PLX4720" *Colloids and Surfaces B. Biointerfaces*. (2017) 154, 350-356
5. E. P. Kalogianni, L. Sklaviadis, S. Nika, I. Theochari, G. Dimitreli, D. Georgiou and V. Papadimitriou, Effect of oleic acid on the properties of protein adsorbed layers at water/oil interfaces: An EPR study combined with dynamic interfacial tension measurements, *Colloids Surfaces B Biointerfaces*, 2017, 158, 498–506.
6. V. Savić, M. Todosijević, T. Ilić, M. Lukić, E. Mitsou, V. Papadimitriou, S. Avramiotis, B. Marković, N. Cekić, S. Savic. "Tacrolimus loaded biocompatible lecithin-based microemulsions with improved skin penetration: Structure characterization and in vitro/in vivo performances". *International Journal of Pharmaceutics* (2017) 529, 491-505. (IF2016 3.649).
7. 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)
8. E. Mitsou, A. Xenakis, M. Zoumpanioti. "Oxidation catalysis by enzymes in microemulsions." *Catalysts* (2017) 7, DOI: 10.3390/catal7020052 (IF2015 2.964)
9. M. Chatzidaki, K. Papadimitriou, V. Alexandraki, E. Tsirvouli, Z. Chakim, A. Ghazel, K. Mortensen, A. Yagmur, S. Salentinig, V. Papadimitriou, E. Tsakalidou, A. Xenakis,

- "Microemulsions as potential carriers of: effect of composition on the structure and efficacy" *Langmuir* (2016) 32, 8988–8998
10. 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.
 11. A. Xenakis, M. Zoumpantioti, and H. Stamatis. "Enzymatic reactions in structured surfactant - free microemulsions." *Current Opinion in Colloid & Interface Science* (2016) 22, 41-45.
 12. 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* (2016) 32 6746-6756.
 13. M. Khemakhem, V. Papadimitriou, G. Sotiroudis, P. Zoumpoulakis, C. Arbez-Gindre, N. Bouzouita, T.G. Sotiroudis "Melanin and Humic acid-like polymer complex from olive mill waste waters. Part I. Isolation and Characterization." *Food Chemistry*, (2016) 203 540–547.
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 15. 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
 16. 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.
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