

LIST OF PUBLICATIONS – 2015

1. Bleomycin-induced trans lipid formation in cell membranes and in liposome models
Cort, A.; Ozben, T.; Sansone, A.; Barata-Vallejo, S.; Chatgililoglu, C.; Ferreri, C.
Org. Biomol. Chem. **2015**, *13*, 1100–1105.
2. Biomimetic chemistry on the protection of cis phospholipid from the thiyl radical isomerization by common antioxidants
Lykakis, I. N.; Ferreri, C.; Chatgililoglu, C.
Arkivoc **2015**, 140–153. ([open access](#))
3. Radiation-induced formation of purine lesion in single and double stranded DNA: Revised quantification
Terzidis, M. A.; Ferreri, C.; Chatgililoglu, C.
Front. Chem. **2015**, *3*:18. doi: 10.3389/fchem.2015.00018 ([open access](#))
4. The association constant of 5',8-cyclo-2'-deoxyguanosine with cytidine
Capobianco, A.; Caruso, T.; Fusco, S.; Terzidis, M. A.; Masi, A.; Chatgililoglu, C.; Peluso, A.
Front. Chem. **2015**, *3*:22. doi: 10.3389/fchem.2015.00022 ([open access](#))
5. DNA oxidation profiles of copper phenanthrene chemical nucleases
Molphy, Z.; Slator, C.; Chatgililoglu, C.; Kellett, A.
Front. Chem. **2015**, *3*:28. doi: 10.3389/fchem.2015.00028 ([open access](#))
6. Beta Cell response to nutrient overload involves phospholipid remodelling and lipid peroxidation
Cohen, G.; Shamni, O.; Avrahami, Y.; Cohen, O.; Broner, E. C.; Filippov-Levy, N.; Chatgililoglu, C.; Ferreri, C.; Kaiser, N.; Sasson, S.
Diabetologia **2015**, *58*, 1333–1343. ([open access](#))
7. Delocalized Hole Domains in Guanine Rich DNA Oligonucleotides
Capobianco, A.; Caruso, T.; D'Urci, A. M.; Fusco, S.; Masi, A.; Scrima, M.; Chatgililoglu, C.; Peluso, A.
J. Phys. Chem. B **2015**, *119*, 5462–5466.
8. A Promising Raman Spectroscopy Technique for the Investigation of trans and cis Cholesteryl Ester Isomers in Biological Samples
Melchiorre, M.; Ferreri, C.; Tinti, A.; Chatgililoglu, C.; Torreggiani, A.
Appl. Spectrosc. **2015**, *69*, 613–622.
9. The mitochondrial-targeted antioxidant, MitoQ, increases liver mitochondrial cardiolipin content in obesogenic diet-fed rats
Fouret, G.; Tolika, E.; Lecombe, J.; Bonafos, B.; Aoun, M.; Murphy, M.P.; Ferreri, C.; Chatgililoglu, C.; Dubreucq, E.; Coudray, C.; Feillet-Coudray, C.
Biochim. Biophys. Acta **2015**, *1847*, 1025–1035. ([open access](#))

10. Bypass of a 5',8-cyclopurine-2'-deoxynucleoside by DNA polymerase β during DNA replication and base excision repair leads to nucleotide misinsertions and DNA strand breaks
Jiang, Z.; Xu, M.; Lai, Y.; Laverde, E. E.; Terzidis, M. A.; Masi, A.; Chatgililoglu, C.; Liu, Y.
DNA repair **2015**, 33, 24–34.
11. Differences in the access of lesions to the nucleotide excision repair machinery in nucleosomes
Cai, Y.; Kropachev, K.; Terzidis, M. A.; Masi, A.; Chatgililoglu, C.; Shafirovich, V.; Geancitov, N. E.; Broyde, S.
Biochemistry **2015**, 54, 4181–4185.
12. An ameliorative protocol for the quantification of purine 5',8-cyclo-2'-deoxynucleoside in oxidized DNA
Terzidis, M. A.; Chatgililoglu, C.
Front. Chem. **2015**, 3:47. doi: 10.3389/fchem.2015.00047 ([open access](#))
13. Nutrition and reproductive health: sperm versus erythrocyte lipidomic profile and ω -3 intake
Mendeluk, G. R.; Cohen, M. I.; Ferreri, C.; Chatgililoglu, C.
J. Nutr. Metabol. **2015**, Art. no. 670526. doi:10.1155/2015/670526 ([open access](#))