

## PUBLICATIONS 2016

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### ORIGINAL PUBLICATIONS AND REVIEWS

- 1) Alevizopoulos, K., Dimas, K., Papadopoulou, N., Schmidt, E.-M., Tsapara, A., Alkahtani, S., Honisch, S., Prousis, K.C., Iarifi, S., **Calogeropoulou, T.**, Lang, F., Stournaras C. "Functional characterization and anti-cancer action of the clinical phase II cardiac Na<sup>+</sup>/K<sup>+</sup> ATPase inhibitor istaroxime: in vitro and in vivo properties and cross talk with the membrane androgen receptor" *Oncotarget*, (2016), 7, 24415-24428. <https://doi.org/10.18632/oncotarget.8329>.
  
- 2) **Antonopoulou, G.**; Magrioti, V.; Kokotou, M. G.; Nikolaou, A.; Barbayianni, E.; Mouchlis, V. D.; Dennis, E. A.; Kokotos, G. 2-Oxoamide Inhibitors of Cytosolic Group IVA Phospholipase A2 with Reduced Lipophilicity. *Bioorganic Med. Chem.* (2016), 24 (19), 4544–4554. <https://doi.org/10.1016/j.bmc.2016.07.057>.
  
- 3) Avramopoulos, A.; Reis, H.; Otero, N.; Karamanis, P.; Pouchan, C.; **Papadopoulos, M. G.** A Series of Novel Derivatives with Giant Second Hyperpolarizabilities, Based on Radiannulenes, Tetrathiafulvalene, Nickel Dithiolene, and Their Lithiated Analogues. *J. Phys. Chem. C* (2016), 120 (17), 9419–9435. <https://doi.org/10.1021/acs.jpcc.6b02131>.
  
- 4) Avramopoulos, A.; Otero, N.; Karamanis, P.; Pouchan, C.; **Papadopoulos, M. G.** A Computational Study of the Interaction and Polarization Effects of Complexes Involving Molecular Graphene and C60 or a Nucleobases. *J. Phys. Chem. A* (2016), 120 (2), 284–298. <https://doi.org/10.1021/acs.jpca.5b09813>.
  
- 5) Bellantuono I. and **E.S. Gonos** MouseAge: Leading the way in the development of geroprotectors in Europe. *Mech. Ageing Dev.* (2016), 160, 32-33 <https://doi.org/10.1016/j.mad.2016.06.007>
  
- 6) Benitez, D.; Medeiros, A.; Fiestas, L.; Panozzo-Zenere, E. A.; Maiwald, F.; **Prousis, K. C.**; Roussaki, M.; **Calogeropoulou, T.**; Detsi, A.; Jaeger, T.; Sarlauskas, J.; Masic, L. P.; Kunick, C.; Labadie, G. R.; Flohe, L.; Comini, M. A. Identification of Novel Chemical Scaffolds Inhibiting Trypanothione Synthetase from Pathogenic Trypanosomatids. *PLoS Negl. Trop. Dis.* (2016), 10 (4). <https://doi.org/10.1371/journal.pntd.0004617>.
  
- 7) Borba-Santos, L. P. L. P.; Ishida, K.; **Calogeropoulou, T.**; De Souza, W.; Rozental, S. Adamantylidene-Substituted Alkylphosphocholine TCAN26 Is More Active against *Sporothrix Schenckii* than Miltefosine. *Mem. Inst. Oswaldo Cruz* (2016), 111 (8). <https://doi.org/10.1590/0074-02760160088>.
  
- 8) Bratakos, S. M.; **Zoumpoulakis, P.**; Siapi, E.; Riganakos, K.; Sinanoglou, V. J. Determination of 2,5-Diketopiperazines in Greek Processed Olives by Liquid Chromatography/Mass Spectrometry

- Analysis. *Curr. Res. Nutr. Food Sci.* (2016), 4 (SpecialIss). <https://doi.org/10.12944/CRNFSJ.4.Special-Issue-October.09>.
- 9) Bratakos, S. M.; Sinanoglou, V. J.; Matsoukas, M. T.; **Siapi, E.**; **Papahatjis, D. P.**; Riganakos, K.; **Zoumpoulakis, P.** Fragmentation Patterns of Aromatic 2,5-Diketopiperazines Using Liquid Chromatography/Mass Spectrometry. *Curr. Anal. Chem.* (2016), 12 (5), 439–449. <https://doi.org/10.2174/1573411011666150812225728>.
- 10) Castagne, R.; Delpierre, C.; Kelly-Irving, M.; Campanella, G.; Guida, F.; Krogh, V.; Palli, D.; Panico, S.; Sacerdote, C.; Tumino, R.; **Kyrtopoulos, S.**; Hosnijeh, F. S.; Lang, T.; Vermeulen, R.; Vineis, P.; Stringhini, S.; Chadeau-Hyam, M. A Life Course Approach to Explore the Biological Embedding of Socioeconomic Position and Social Mobility through Circulating Inflammatory Markers. *Sci. Rep.* (2016), 6. <https://doi.org/10.1038/srep25170>.
- 11) Castagne, R.; Kelly-Irving, M.; Campanella, G.; Guida, F.; Krogh, V.; Palli, D.; Panico, S.; Sacerdote, C.; Tumino, R.; Kleinjans, J.; de Kok, T.; **Kyrtopoulos, S. A.**; Lang, T.; Stringhini, S.; Vermeulen, R.; Vineis, P.; Delpierre, C.; Chadeau-Hyam, M. Biological Marks of Early-Life Socioeconomic Experience Is Detected in the Adult Inflammatory Transcriptome. *Sci. Rep.* (2016), 6, 38705. <https://doi.org/10.1038/srep38705>.
- 12) Charitos, G.; Trafalis, D. T.; Dalezis, P.; Potamitis, C.; Sarli, V.; **Zoumpoulakis, P.**; Camoutsis, C. Synthesis and Anticancer Activity of Novel 3,6-Disubstituted 1,2,4-Triazolo-[3,4-b]-1,3,4-Thiadiazole Derivatives. *Arabian Journal of Chemistry*. 2016. <https://doi.org/10.1016/j.arabjc.2016.09.015>
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- 14) Chatzidaki, M. D.; Mateos-Diaz, E.; Leal-Calderon, F.; **Xenakis, A.**; Carrière, F. Water-in-Oil Microemulsions versus Emulsions as Carriers of Hydroxytyrosol: An in Vitro Gastrointestinal Lipolysis Study Using the PHstat Technique. *Food Funct.* (2016), 7 (5), 2258–2269. <https://doi.org/10.1039/C6FO00361C>.
- 15) Chatzidaki, M. D.; Papadimitriou, K.; Alexandraki, V.; Tsirovouli, E.; Chakim, Z.; Ghazal, A.; Mortensen, K.; Yaghmur, A.; Salentinig, S.; **Papadimitriou, V.**; Tsakalidou, E.; **Xenakis, A.** Microemulsions as Potential Carriers of Nisin: Effect of Composition on Structure and Efficacy. *Langmuir* (2016), 32 (35), 8988–8998. <https://doi.org/10.1021/acs.langmuir.6b02923>.
- 16) Chatzileontiadou, D. S. M.; Tsirkone, V. G.; Dossi, K.; Kassouni, A. G.; Liggri, P. G. V.; Kantsadi, A. L.; Stravodimos, G. A.; Balatsos, N. A. A.; Skamnaki, V. T.; Leonidas, D. D. The Ammonium Sulfate Inhibition of Human Angiotensin. *FEBS Letters*. 2016, pp 3005–3018. <https://doi.org/10.1002/1873-3468.12335>.
- 17) Christou, C.; Rosenberg, T.; **Chatziioannou, A.**; Emmanouil, T.; Ladoukakis, E.; Baratsis, S. Long-Term Functional Outcome and Quality of Life after Restorative Proctocolectomy with Mucosectomy

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20) Dinda B, Kyriakopoulos AM, Dinda S, **Zoumpourlis V**, Thomaidis NS, Velegraki A, Markopoulos C, Dinda M. Cornus mas L. (cornelian cherry), an important European and Asian traditional food and medicine: Ethnomedicine, phytochemistry and pharmacology for its commercial utilization in drug industry. (Review). *J Ethnopharmacol.* (2016) Dec 4;193:670-690. <https://doi.org/10.1016/j.jep.2016.09.042>

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- 28) Georgadaki, K.; **Zoumpourlis, V.** The Use of the Domestic Hen as a Model in Developmental Studies and Cancer Research. *Archives of Hellenic Medicine.* (2016), pp 342–348.
- 29) **Georgiadis, P.**; Hebels, D. G. D. ; Valavanis, I.; Liampa, I.; Bergdahl, I. A. I. A. I. A.; Johansson, A.; Palli, D.; Chadeau-Hyam, M.; **Chatziioannou, A.**; Jennen, D. G. J.; Krauskopf, J.; Jetten, M.J.; Kleinjans, J. C. S.; Vineis, P.; **Kyrtopoulos, S. A.**; EnviroGenomarkers, consortium; Gottschalk, R.; van Leeuwen, D.; Timmermans, L.; De Kok, T. M. C. M.; Botsivali, M.; Bendinelli, B.; Kelly, R.; Vermeulen, R.; Portengen, L.; Saberi-Hosnijeh, F.; Melin, B.; Hallmans, G.; Lenner, P.; Keun, H. C.; Siskos, A.; Athersuch, T. J.; Kogevinas, M.; Stephanou, E. G.; Myridakis, A.; Fazzo, L.; De Santis, M.; Comba, P.; Kiviranta, H.; Rantakokko, P.; Airaksinen, R.; Ruokojärvi, P.; Gilthorpe, M.; Fleming, S.; Fleming, T.; Tu, Y.-K.; Jonsson, B.; Lundh, T.; Chen, W. J.; Lee, W.-C.; Hsiao, C. K.; Chien, K.-L.; Kuo, P.-H.; Hung, H.; Liao, S.-F. Omics for Prediction of Environmental Health Effects: Blood Leukocyte-Based Cross-Omic Profiling Reliably Predicts Diseases Associated with Tobacco Smoking. *Sci Rep* (2016), 6 (February), 20544. <https://doi.org/10.1038/srep20544>.
- 30) Gkatzamanidou, M.; Terpos, E.; Bamia, C.; Munshi, N. C.; Dimopoulos, M. A.; **Souliotis, V. L.** DNA Repair of Myeloma Plasma Cells Correlates with Clinical Outcome: The Effect of the Nonhomologous End-Joining Inhibitor SCR7. *Blood* (2016), 128 (9), 1214–1225. <https://doi.org/10.1182/blood-2016-01-691618>.
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## PEER REVIEWED PUBLICATIONS IN PROCEEDINGS

- 1) Kontogianni, G.; **Papadodima, O.**; Mitrakas, A.; Maglogiannis, I.; Koukourakis, M. I.; Giatromanolaki, A.; **Chatziioannou, A.** Exploring the Molecular Determinants of Tumor-Stroma Interaction in Non-Small Cell Lung Cancer through the Utilization of RNA-Seq Data from Lung Biopsies. In *IFMBE Proceedings*; (2016); Vol. 57, pp 495–499. [https://doi.org/10.1007/978-3-319-32703-7\\_95](https://doi.org/10.1007/978-3-319-32703-7_95).
- 2) Kontogianni, G.; **Papadodima, O.**; Maglogiannis, I.; Frangia-Tsivou, K.; **Chatziioannou, A.** Integrative Bioinformatic Analysis of a Greek Epidemiological Cohort Provides Insight into the Pathogenesis of Primary Cutaneous Melanoma. *12th IFIP WG 12.5 International Conference and Workshops on Artificial Intelligence Applications and Innovations, AIAI 2016*. Springer New York LLC: Metabolic Engineering and Bioinformatics Group, Institute of Biology, Medicinal Chemistry and Biotechnology, National Hellenic Research Foundation, Athens, Greece 2016, pp 39–52. [https://doi.org/10.1007/978-3-319-44944-9\\_4](https://doi.org/10.1007/978-3-319-44944-9_4).
- 3) Lantzouraki, D. Z.; Sinanoglou, V. J.; **Zoumpoulakis, P.**; Proestos, C. Comparison of the Antioxidant and Antiradical Activity of Pomegranate (*Punica Granatum L.*) by Ultrasound-Assisted and

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<https://doi.org/10.1080/00032719.2015.1038550>.

## EDITORIALS

**Kostas, I.D.** (Academic Editor) CATALYSTS, Special Issue "Suzuki–Miyaura Cross-Coupling Reaction and Potential Applications". Papers were published during 2016-2017.

## BOOKS

Expert opinion **G. A. Heropoulos** in the book SONOCHEMISTRY: New Opportunities for Green Chemistry, Oct. 2016, World Scientific Publishing (UK) Ltd., by G. Chatel  
[https://doi.org/doi:10.1142/9781786341280\\_0006](https://doi.org/doi:10.1142/9781786341280_0006)

## PEER REVIEWED ABSTRACTS IN PROCEEDINGS

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- 4) Gkatzamanidou, M.; Terpos, E.; Munshi, N. C.; Dimopoulos, M. A.; **Souliotis, V. L.** DEREGULATION OF MAJOR DNA REPAIR MECHANISMS CORRELATES WITH CLINICAL OUTCOME OF ANTI-MYELOMA THERAPY. THE BENEFICIAL EFFECT OF DNA REPAIR INHIBITION. *Haematologica* (2016), 101 (1), 511.
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