

Publications

Publications in international peer-reviewed Journals

1. Georgia P. Vlamaki, Nikolaos G. Kallithrakas-Kontos, Ignasi Queralt, Manuela Hidalgo, *Platinum determination by membrane complexation and energy dispersive x-ray fluorescence analysis – A preliminary study*, X-Ray Spectrometry (2023) accepted
2. Mitrakos, D., Kontogianni, V., Kavoura, K., Carinou, E., Kalithrakas-Kontos, N., Housiadas, C., *Early phase modelling and main assumptions in safety assessment for near surface disposal of non-nuclear radioactive waste*, Journal of Environmental Radioactivity (2023) Article number 107163, DOI 10.1016/j.jenvrad.2023.107163
3. Xarchoulakos, D.C., Manoutsoglou, E., Kallithrakas-Kontos, N.G., *Distribution of uranium isotopes, ^{210}Pb and ^{210}Po in groundwaters of Crete- Greece*, Journal of Radioanalytical and Nuclear Chemistry this link is disabled, 2022, 331(11), pp. 4685–4694, DOI 10.1007/s10967-022-08578-6
4. Xarchoulakos, Dimitrios and Kallithrakas-Kontos, Nikolaos, *Uranium analysis in urine after membrane complexation and alpha spectrometry counting*, Journal of Radioanalytical and Nuclear Chemistry 331 (2022) 283-288, DOI 10.1007/s10967-021-08059-2
5. Theologitis, A., Kapridaki, C., Kallithrakas-Kontos, N., Maravelaki-Kalaitzaki, P., Fotiou, A., *Mortar and plaster analysis as a directive to the design of compatible restoration materials in frangokastello (Crete)*, Mediterranean Archaeology and Archaeometry 21 (2021) 105-116. DOI: 10.5281/zenodo.4284427
6. Kallithrakas-Kontos, N., Boultradaki, P., Foteinis, S., *A dataset of 112 ligands for the preconcentration of mercury, uranium, lanthanum and other pollutants and heavy metals in water*, Data in Brief , **29**, (2020), Article number 105236 DOI: 10.1016/j.dib.2020.105236
7. Fotiou, A., Oiry, C., Kapetanaki, K., Perdikatsis, V., Kallithrakas-Kontos, N., Maravelaki, P.-N., *Ecological restoration plasters and mineral pigments designed with raw material from the island of gavdos*, Infrastructures **5** (2020) Article number 110, Pages 1-23, DOI: 10.3390/infrastructures5120110
8. Orfanoudaki, A., Makridakis, G., Maragkaki, A., Fountoulakis, M.S, Kallithrakas-Kontos, N.G., Manios, T., *Anaerobic Co-digestion of Pig Manure and Spent Coffee Grounds for Enhanced Biogas Production*, Waste and Biomass Valorization **11** (2020) 4613-4620 DOI: 10.1007/s12649-019-00796-6
9. Fotiou, Afroditi, Oiry Claire, Kapetanaki Kalia, Perdikatsis Vassilis, Kallithrakas-Kontos Nikolaos, Maravelaki Noni-Pagona, *Ecological restoration mortars and plasters designed with raw material from the island of Gavdos*, REHABEND 2020, Code 253609 1482-1489
10. Foteinis, S., Kallithrakas-Kontos, N., Kolovou, M., Nikolaki, M., Takoudis, G., Potiriadis, C., Skanavis, V., Kalligeris, N., Housiadas, C., Synolakis, C.E., *Spatial and Temporal Heterogeneity of ^{134}Cs and ^{137}Cs in Topsoil after the Fukushima Daiichi Nuclear Power Plant Accident and the Importance of Tsunami Debris Management*, Environmental Processes **6** (2019) 561-579 DOI: 10.1007/s40710-019-00386-7
11. Nikolaos Kallithrakas-Kontos, Spyros Foteinis,, Eleftheria M. Vazgiouraki, Andreas G. Karydas, János A. Osán, Efthalia Chatzisyneon, *Solid-state polymer membranes for simple, sensitive, and low-cost monitoring of mercury in water*, Science of The Total Environment (2019) 134099 (7 p.p.), DOI: 10.1016/j.scitotenv.2019.134099
12. Kapridaki, C., Xynidis, N., Vazgiouraki, E., Kallithrakas-Kontos, N., Maravelaki-Kalaitzaki, P., *Characterization of photoactive Fe-TiO₂ lime coatings for building protection: The role of Iron content*, Materials 2019, **12**, 1847 DOI:10.3390/ma12111847
13. Orfanoudaki, A., Makridakis, G., Maragkaki, A., Fountoulakis, M.S., Kallithrakas-Kontos, N.G., Manios, T., *Anaerobic Co-digestion of Pig Manure and Spent Coffee Grounds for Enhanced Biogas Production*, Waste and Biomass Valorization (2019) (8 p.p.) DOI: 10.1007/s12649-019-00796-6
14. Kallithrakas-Kontos N., Foteinis S., *Simple and low cost dithizone-functionalized polymer membranes as a tool for mercury preconcentration and monitoring in aqueous bodies. Preliminary results using X-ray absorption near-edge structure (XANES)*, Global NEST (2019) 471-476 DOI: <https://doi.org/10.30955/gnj.002864>
15. N. Kallithrakas-Kontos, D.C. Xarchoulakos, P.E. Boultradaki1, C. Potiriadis and K. Kehagia,

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 19. Dimitrios C. Xarchoulakos, Konstantina Kehagia, Nikolaos Kallithrakas-Kontos and Constantinos Potiriadis, *Disequilibrium of dissolved ²³⁴U/²³⁸U and ²¹⁰Po/²¹⁰Pb in Greek rivers*, Journal of Radioanalytical and Nuclear Chemistry **312** (2017) 285–292
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