



Dr. Sofia Mitkidou is a Professor of Organic Chemistry at the Department of Chemistry of International Hellenic University (IHU), Greece. She received her Bachelor's (1987) and Ph.D. (1992) degrees from the School of Chemistry at the Aristotle University of Thessaloniki. She has worked as a post doctoral researcher in the Department of Chemistry of the Aristotle University of Thessaloniki and at the Mediterranean Agronomic Institute of Chania (1992-1993) and as a clinical biochemist in the General Hospital of Kavala (1993-

1998). She served as Professor at the Department of Science and at the Department of Petroleum Engineering (1998-2018) at the Eastern Macedonia and Thrace Institute of Technology (EMaTTech). She teaches courses in Organic Chemistry, Organic Spectroscopy, Organic Geochemistry and Petrochemicals and she is the supervisor of several undergraduate and master's theses. She served as a Vice President of the EmaTTech and President of Researching Committee (2002-2005) and as Head of the Department of Science (1997-2000). Currently, she is Director of the Laboratory of Organic Chemistry and Mass Spectroscopy and Director of Organic Chemistry and Biochemistry sector. She has participated in several research projects co-funded by the European Union and the Ministry of Education. Research interests lie in the identification and characterisation of organic compounds using spectroscopic techniques as well as the synthesis of organic molecules lending applications to the pharmaceutical industry. The studies generally involve the use of separation techniques such as solvent extraction, microwave-assisted extraction and chromatography, as well as spectroscopy, including IR, MS and NMR. Current and ongoing areas of research include analysis of organic residues in archaeological finds and oil spill fingerprinting technologies. She has more than 40 peer-reviewed publications in international scientific journals and conference proceedings.

Indicative publications:

- **S. Mitkidou**, N. Kokkinos, E. Emmanouilidou, Y. Yohannah, T. Spanos, C. Chatzichristou and A. Ene (2022), Investigation of Petroleum Hydrocarbon Fingerprints of Water and Sediment Samples of the Nestos River Estuary in Northern Greece, *Applied Sciences*, vol. 12, no. 3, p. 1636, doi:10.3390/app12031636
- Dushka Urem-Kotsou, **Sofia Mitkidou**, Evagelia Dimitrakoudi, Nikolaos Kokkinos, Maria Ntinou. Following their tears: production and use of plant exudates in the Neolithic of North Aegean and the Balkans , *Quaternary International* , *Quaternary International* _2018_volume 496, pp 68-79. doi.org/10.1016/j.quaint.2018.10.027.
- **Sofia Mitkidou** Evagelia Dimitrakoudi, Despina Papadopoulou, Dushka Urem-Kotsou, Kostas Kotsakis, Ioulia Stephanidou-Stephanatou, John Stratis, "Organic residue analysis of Neolithic pottery from North Greece", *Microchimica Acta*, (2008), 160:493-498
- Dimitrakoudi, E.A., **Mitkidou, S.A.**, Urem-Kotsou, D., Kotsakis, K., Stephanidou-Stephanatou, J., Stratis, J.A. Characterization by gas chromatography-mass spectrometry of diterpenoid resinous materials in Roman-age amphorae from northern Greece (2011) *European Journal of Mass Spectrometry*, 17 (6), pp. 581-591. DOI: 10.1255/ejms.1155.
- Tsoleridis, C.A., Pozarentzi, M., **Mitkidou, S.**, Stephanidou-Stephanatou, J. An experimental and theoretical study on the regioselectivity of successive bromination sites of 7,8-dimethyl-2,4-diphenyl-3H-1,5-benzodiazepine. Efficient microwave assisted solventless synthesis of 4-phenyl-3H-1,5-benzodiazepines (2008) *Arkivoc*, 2008 (15), pp. 193-209