Vasileios S. Anastasiadis - Chemist

Anastasiadis Vasileios graduated in 2005 from the Department of Chemistry of the of the University of Ioannina, choosing to write his dissertation in the field of Organic Chemistry entitled "Iodine-ylide addition reactions" and "ortho-quinomethides". He continued his postgraduate studies in the Department of Inorganic Chemistry and Technology of the Department of Chemistry of the National Kapodistrian University of Athens on "Composition, structure and magnetic properties of cobalt and manganese complexes with oxymor substituents", where he excellent graduated in 2011. Then he moved to the Department of Analytical Chemistry of the Department of Chemistry of the National Kapodistrian University of Athens, where in collaboration with the I.N.R.S.T.E.S. of "N.C.S.R. Demokritos", prepared his Doctoral Thesis with title: "Development of biosensors for multiplexed mycotoxins determination".

In 2020, being a PhD candidate, he received a research scholarship in collaboration with the Institute of Nanoscience and Nanotechnology of the "N.C.S.R. Demokritos", and since then he is a member of the research team of the research program "**HERON - Interferometric system based on a 3D structured biochip: an application to quantitative determination of hazardous substances in food**" (MIS5047824)". This research is co-financed by Greece and the European Union (European Social Fund - ESF) through the Operational Program "Human Resources Development, Education and Life-long Learning 2014–2020"

He has 2 publications in prestigious peer-reviewed journals:

1. Anastasiadis V., Koukouvinos G., Petrou P., Economou A., Dekker J., Harjanne M., Heimala P., Goustouridis D., Raptis I., Kakabakos S.E., **Multiplexed mycotoxins determination employing white light reflectance spectroscopy and silicon chips with silicon oxide areas of different thickness**, Biosensors and Bioelectronics 153, 2020, 112035.
2. Anastasiadis V., Raptis I., Economou A., Kakabakos S.E., Petrou P., **Fast Deoxynivalenol Determination in Cereals Using a White Light Reflectance Spectroscopy Immunosensor,** Biosensors 10, 2020**,** 154.

Also he has participated in national and international conferences:

1. Anastasiadis V., Petrou P., Koukouvinos G., Misiakos K. Goustouridis D., Raptis I., Kakabakos S.E., *Multi-analyte determinations with white light reflectance spectroscopy using patterned chips with silicon oxide areas of different thickness, 11th Aegean Analytical Chemistry Days* (AACD2014), Chania, Crete, Greece, September 25-29, 2018, Book of abstracts OP01 (Oral Presentation).
2. Anastasiadis V., Petrou P., Koukouvinos G., Economou A., Raptis I., Kakabakos S.E., *Determination of the mycotoxins Aflatoxin B1, Fumonisin B1, Deoxynivalenol with a White Light Reflectance Spectroscopy sensing platform, Athens Conference on Advances in Chemistry* (ACAC2018), Athens, Greece, 30 October-02 November, 2018 (Poster).
3. Anastasiadis V., Petrou P., Koukouvinos G., Misiakos K., Goustouridis D., Raptis I., Kakabakos S.E., *Multiplexed mycotoxins determination employing white light reflectance spectroscopy and silicon chips with silicon oxide areas of different thickness*, 6th International Conference On Bio-Sencing Technology, Kuala Lumpur, Malaysia, June 16-19, 2019 (Poster).
4. Anastasiadis V., Petrou P., Koukouvinos G., Misiakos K., Goustouridis D., Raptis I., Kakabakos S.E., *Simultaneous detection of three mycotoxins with white light reflectance spectroscopy using patterned chips with silicon oxide areas of different thickness,* Europt(r)ode, Warsaw, Poland, November 28 - December 01, 2021, Book of abstracts O34, p. 84 (Oral Presentation).