



Christos Kokkinos

Title: Assistant Professor of Analytical Chemistry

Sector: Analytical, Physical and Theoretical Chemistry (Sector I)

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Academic Qualifications:

- Ph.D. in Analytical Chemistry (2010), Chemistry Dept., University of Athens (UoA)
- MSc. in Analytical Chemistry & Quality Control (2006), Chemistry Dept., University of Athens (UoA)
- B.Sc. in Chemistry (2003), Chemistry Dept., University of Thessaloniki

Appointments:

- 2018: Assistant Professor, Chemistry Dept., UoA
- 2017-2018. Postdoctoral researcher, Chemistry Dept., UoA
- 2012-2015. Postdoctoral researcher, Chemistry Dept., University of Ioannina

Teaching Activities: (current)

Undergraduate courses:

- Analytical Chemistry (course/lab), Chemistry and Pharmacy Depts, UoA

Postgraduate courses:

- Advance Analytical Chemistry
- Quality Control of Materials
- Scientific methodology

Research Interests/Activities: (last 10 years)

- Development (design, fabrication, characterization) of electrochemical sensors, biosensors, microfluidic devices, lab-on-a-chip using microengineering and printing technologies (3D printing etc).
- Development of analytical protocols for the electrochemical determination of trace metals, organic compounds and for the quantitative determination of biomolecules (proteins, DNA) in different samples (food, pharmaceutical, biological)
- Synthesis, characterization and modification of nanoparticles (e.g. quantum dots).

Scientific Publications/Citations:

- > 50 publications in refereed journals
- > 25 presentations in national and international conferences
- Mean Impact Factor > 7
- H-index > 25
- Citations > 1700

Top five publications

- "3D Printed Bioelectronic Microwells". V. Katseli, M. Angelopoulou, C. Kokkinos*. *Advanced Functional Materials*, 2021, 2102459.
- "Smartphone-addressable 3D-printed electrochemical ring for nonenzymatic self-monitoring of glucose in human

sweat". V. Katseli, A. Economou, C. Kokkinos*. *Analytical Chemistry*, 2021, **93**, 3331–3336.

- "3D printed microcell featuring a disposable nanocomposite Sb/Sn immunosensor for quantum dot-based electrochemical determination of adulteration of ewe/goat's cheese with cow's milk". D. Livas, M. Trachioti, S. Banou, M. Angelopoulou, A. Economou, M. Prodromidis, P. Petrou, S. Kakabakos, C. Kokkinos*. *Sensors and Actuators B*, 2021, **334**, 129614.
- "3D-printed fluidic electrochemical microcell for sequential injection/stripping analysis of heavy metals". A. Baltima, H. Panagopoulou, A. Economou, C. Kokkinos*. *Analytica Chimica Acta*, 2021, **1159**, 338426.
- "Electrochemical DNA biosensors based on labeling with nanoparticles". C. Kokkinos*. *Nanomaterials*, 2019, **9(10)**, 1361.

Projects and Academic Activities:

- Principal investigator of 4 projects. Total funding in UoA: >1.5 M€
- Member of the Editorial Board of Chemosensors, Biosensors, Sensors, Science Today.
- Organizing Committee of 17th International Conference on Electroanalysis (ESEAC 2018)