

Dr. Dimitrios V. Stergiou
Chemist, MSc

CURRICULUM VITAE



Ioannina, Greece, 2010

Personal Information

Name : **Dimitrios**
Surname : **Stergiou**
Father's name: Vasileios
Mother's name: Vasiliki
Birthday : November 18th ,1978
Sex : Male
Nationality : Greek
Status : Single
Work address : University of Ioannina, Department of Chemistry
Laboratory of Analytical Chemistry
451 10, Ioannina, Greece
Tel: +30-26510-08412, Fax: +30-26510-08796
E-mail: dimster@cc.uoi.gr
Memberships : Association of Greek Chemists (2001-)
International Society of Electrochemistry (2005-)

Education/Current position

1997 - 2001 : Degree in Chemistry (Grade 7.79/10), University of Ioannina (UOI), Greece
2001 - 2003 : MSc in Analytical Chemistry (UOI , Greece).
2003 - 2007 : PhD in Analytical Chemistry (UOI, Greece).
2007 - 2008 : Military Service.
2008 - : Postdoctoral fellow in the Laboratory of Analytical Chemistry (UOI, Greece).
2010 - : A tutorial Lecturer in Department of Chemistry (UOI, Greece).

Research Interests

- 1) Chemical and Biochemical Amperometric Sensors
- 2) Capacitance and Impedimetric Immunosensors
- 3) Ion Selective Electrodes

- 4) Screen-printed Electrodes
- 5) Flow Injection Analysis
- 6) New Materials in Chemical (Bio)sensing

Scholarships

- 1) State Scholarships Foundation, 1996 and 1998.
- 2) Legacy “Christodoulou Efthymiou”, 1997 – 2001.
- 3) University of Ioannina, 2001.

Research Projects

- 1) “Development of impedimetric sensors for blood-typing, pathogens and ozone in real samples» Greek Ministry of Education 2005-2007.
- 2) “Development of impedimetric diagnostic tests for the determination of *Salmonella* in foods”, Greek Ministry of Development 2006-2007.

Short Period Visits

- March 2009: Université de Claude Bernard, Laboratoire des Sciences Analytiques, Lyon, France. Training in electroanalytical techniques and development of chemical (bio)sensors.

Tutorial Duties

- 1) Laboratory of Qualitative Analysis (Undergraduate programme), 2002 – 2006.
- 2) Laboratory of Quantitative Analysis (Undergraduate programme), 2002 – 2006.
- 3) Laboratory of Analytical Chemistry (Postgraduate programme), 2003-2006.

Conferences

- I have attended more than 15 National, European, and International conferences and seminars on the subject of Analytical Chemistry – Electroanalysis (1 oral and 15 poster presentations).

Publications

01) “Study of the Electrochemical Behavior of Disperse Blue 1-Modified Graphite Electrodes. Application to the Flow Determination of NADH”.

Dimitrios V. Stergiou, Mamas I. Prodromidis, Panayotis G. Veltsistas*, Nikolaos P. Evmiridis, *Electroanalysis*, 2004, 16 (11), 949-954.

02) “Bis-(S-Benzylthiuronium) Chloranilate Supramolecular Crystal Structure: Preparation and Characterization”.

Dimitrios V. Stergiou, Stavroula Skoulika, Nikolaos P. Evmiridis, Panayotis G. Veltsistas*, *Chemistry of Materials*, 2005, 17 (6), 1307-1312.

03) “Development of a sensitive flow injection-chemiluminescence detection method for the indirect determination of propranolol”.

George Z. Tsogas, **Dimitrios V. Stergiou**, Athanasios G. Vlessidis, Nikolaos P. Evmiridis*, *Analytica Chimica Acta*, 2005, 541, 151-157.

04) “Ozone Monitoring Based on a Biosensor Concept Utilizing a Reagentless Alcohol Oxidase Electrode”.

Dimitrios V. Stergiou, Mamas I. Prodromidis*, Panayotis G. Veltsistas, Nikolaos P. Evmiridis, *Analytical Chemistry*, 2006, 78 (13), 4676-4682.

05) “Kinetic-potentiometric assay of formaldehyde in pharmaceutical and industrial samples, monitored by copper solid ion selective electrode, after its reaction with the copper(II)-bis-(ethylenediamine) complex”.

Dimitrios V. Stergiou, Spyros C. Karkabounas, Panayotis G. Veltsistas*, Nikolaos P. Evmiridis, Athanasios G. Vlessidis*, *Microchimica Acta*, 2007, 158, 59-64.

06) “An electrochemical study of lignin films degradation: proof-of-concept for an impedimetric ozone sensor”.

Dimitrios V. Stergiou, Panayotis G. Veltsistas, Mamas I. Prodromidis*, ***Sensors and Actuators B, Chemical***, 2008, 129, 903-908.

07) “Solid redox polymer electrolyte-based amperometric sensors for the direct monitoring of ozone in gas phase”.

Dimitrios V. Stergiou, Thomas Stergiopoulos, Polycarpos Falaras, Mamas I. Prodromidis*, ***Electrochemistry Communications***, 2009, 11, 2113-2116.

08) “On the possibility of a pH-metric determination of ozone”.

Dimitrios V. Stergiou, Mamas I. Prodromidis, Constantinos E. Efstathiou*, ***Electrochemistry Communications***, 2010, 12, 262-265.

09) “Impedimetric biosensor for the assessment of the clotting activity of rennet”.

Maria A. Panagopoulou, **Dimitrios V. Stergiou**, Ioannis G. Roussis, Mamas I. Prodromidis*, ***Analytical Chemistry***, 2010, 82, 8629-8636.

10) “Comparative study of different types of graphenes as electrocatalysts for ascorbic acid”.

Dimitrios V. Stergiou, Evmorfia K. Diamanti, Dimitrios Gournis, Mamas I. Prodromidis*, ***Electrochemistry Communications***, 2010, 12, 1307-1309.