

## CURRICULUM VITAE

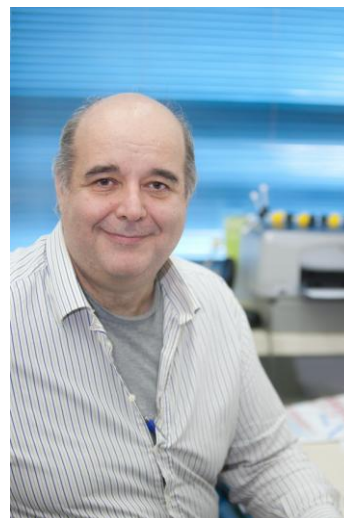
### George A. Mousdis

Senior Researcher  
Theoretical and Physical Chemistry Institute,  
National Hellenic Research Foundation,  
48 Vassileos Constantinou Ave.,  
Athens 11635, Greece

Phone: (30) 210 7273838

Fax: (30) 210 7273794

E-mail: gmousdis@eie.gr



### EDUCATION

Ph.D. in Physical Chemistry, University of Athens, 1990.

Diploma in Chemistry, University of Athens, 1986.

### RESEARCH & TEACHING APPOINTMENTS

2005-	Senior Researcher at TCPI/NHRF, Athens, Greece.
2000-2005	Associate Researcher at TCPI/NHRF, Athens, Greece.
1997-2000	Assistant Researcher at TCPI/NHRF, Athens, Greece.
1995-1996	Deputy Director of "VETERIN" R&D and Quality Control, Veterinarian Pharmaceuticals, Athens, Greece.
1992-1995	Post Doctoral position, NCSR "Demokritos", Athens, Greece.
1991-1993	Professor of Chemistry, "Ikaron" Air Force Academy, Athens, Greece.
1991-1993	Professor of Chemistry, TEI, Athens, Greece.
1990-1991	Post Doctoral position, CNRS Paul Pascal Bordeaux, France.
2004-	Graduate courses in Organic Conductivity - Organic Conductors Univ. of Ioannina, Department of Materials Science and Engineering
2001-	Advisor to Doctorate and honors students, TPCI-NHRF.

### MAIN RESEARCH INTERESTS

- Low dimensional inorganic-organic materials.
- Charge transfer and radical salts.
- Dithiolene complexes.

- Sol-gel techniques; ceramics, glasses, ormocers.
- UV-Vis and Fluorescence Spectroscopy.
- Phthalocyanines.
- Sensors

### **EXTERNAL FUNDING**

Coordinator or participant in more than 15 national and international research projects in collaboration with academic and industrial organizations (national: PENED, Bilateral Scientific Schemes; EU: Shared cost RTD; NATO - Collaborative Research Grant).

### **CONFERENCES AND INVITED TALKS**

More than 30 National and International conferences, 13 invited talks.

### **TEACHING ACTIVITIES**

- 2006- Postgraduate courses in "Organic Conducting Materials", courses that lead to Master Diploma (M.Sc.) on "Chemistry and Technology of Materials University of Ioannina (Dept of Materials Science).
- 1991-1993 Undergraduate course in Chemistry ("Ikaron" air force academy) and in Materials Chemistry and Polymers (Physics and Chemistry Department, TEI of Athens, Greece,).
- Supervision of three Ph.D. 2 M. Sc. and 10 honors students.

### **HONORS & AWARDS**

Student Fellowship of IASTE (09/1982 -11/1982) for the Nuclear Research Center (KFA), Juelich-Germany

Fellowship of NHRF (06/1986 -06/1990)

Fellowship of EC (9/1990-9/1991) for the CNRS Paul Pascal Bordeaux-France.

Head Mentor of the Greek team for the International Chemistry Olympiad (2008, 2009)

### **PROFESSIONAL AFFILIATIONS & ACTIVITIES**

Member of the Greek Physical Society.

### **PUBLICATIONS**

92 publications in refereed journals, more than 30 publications in conference proceedings. More than 870 citations.

### **SELECTED RECENT PUBLICATIONS**

1. "Synthesis, experimental and theoretical investigation of a new type nickel dithiolene complex"

- G. Soras, N. Psaroudakis, M. J. Manos, A. J. Tasiopoulos, D.G. Liakos, G. A. Mousdis. *Polyhedron* 62, 208-217 (2013) DOI: [10.1016/j.poly.2013.06.033](https://doi.org/10.1016/j.poly.2013.06.033)
2. "Enhanced phosphorescence from nanocrystalline/microcrystalline materials based on  $(\text{CH}_3\text{NH}_3)(1\text{-naphthylmethyl ammonium})_2\text{Pb}_2\text{Cl}_7$  and similar compounds"
- G. C. Papavassiliou, G. Pagona, G. A. Mousdis and N. Karousis, *Chem. Phys. Lett.* 570, 80-84 (2013). DOI: [10.1016/j.cplett.2013.03.041](https://doi.org/10.1016/j.cplett.2013.03.041)
3. "Nanocrystalline/microcrystalline materials based on lead-halide units"
- G. C. Papavassiliou, G. Pagona, N. Karousis, G. A. Mousdis, I. Koutselas and A. Vassilakopoulou  
*J. Mater. Chem.*, 8271 – 8280 (2012) DOI: [10.1039/C2JM15783G](https://doi.org/10.1039/C2JM15783G)
4. "Updating a synchronous fluorescence spectroscopic virgin olive oil adulteration calibration to a new geographical region"
- Matthew Ross Kunz, Joshua Ottaway, John H. Kalivas, Constantinos A. Georgiou, and George A. Mousdis  
*J Agric Food Chem.* 59 1051-1057. (2011) DOI: [10.1021/jf902758d](https://doi.org/10.1021/jf902758d)
5. "Diffractive optic sensor for remote point detection of ammonia."
- M. Vasileiadis, L. Athanasekos, A. Meristoudi, D. Alexandropoulos, G. Mousdis, V. Karoutsos, A. Botsialas and N. A. Vainos.  
*Optics Letters* 35 (9) 1476-1478 (2010) DOI: [10.1364/OL.35.001476](https://doi.org/10.1364/OL.35.001476)
6. "The effect of Au and Pt nanoclusters on the structural and hydrogen sensing properties of  $\text{SnO}_2$  thin films"
- I. Fasaki, M. Sucheas, G. Mousdis, G. Kiriakidis, M. Kompitsas  
*Thin Solid Films*, 518, 1109–1113 (2009). DOI: [10.1016/j.tsf.2009.07.192](https://doi.org/10.1016/j.tsf.2009.07.192)