

# STABAKI – HATZIPANAYIOTI DESPINA

Associate Professor

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SCOPUS:

Tel.:

Website:

## EDUCATION

..... Bachelor: Bachelor Degree in Chemistry, NKUA

.... Master / University/ Thesis Title

..... PhD/ University/ thesis Title

PhD in Chemistry, Dept of Chemistry, NKUA: ***Preparation and Investigation of Tantalum Complexes in its Low Oxidation States***

## RESEARCH FIELDS

Synthesis and Study of Transition Metal Complexes/ Research on the improvement of the teaching of Chemistry at High School-level education

## EDUCATIONAL EXPERIENCE

### UNDERGRADUATE COURSES

➤ Course of General Chemistry/ Core Course plus Lab Experiments/  
Undergraduates in Chemistry (1<sup>st</sup> to 3<sup>rd</sup> semester), Physics, Geology and Biology

### GRADUATE COURSES

- Bio-inorganic Chemistry (post-graduate Chemistry Dept)
- Specialized subjects and experiments of General Chemistry (DIXINET-EAA Chem NKUA)
- Chemistry – Chemical Technology and Everyday Life (DIXINET-EAA Chem NKUA )

## RESEARCH GRANTS

- TITLE / PI/ BUDGET/ DURATION  
Science Director or member of Scientific Committees of Research Programmes (Main research subject: 'Synthesis and Study of Transition Metal Complexes', funded by ELKE of NKUA)
  - Assoc. Science Director of EPEAEK "Teaching Experimental Chemistry in High School beginner level"
  - I also participated in the creation and scientific committee of the DIXHNET programme, running in the

Chemistry Dept of the NKUA since 1998.

## REVIEWER OF SCIENTIFIC JOURNALS

Reviewer in the following journals:

Polyhedron,

J. Molec Struct.

Molecular Simulation

Spectrochimica Acta

## EDITOR OF BOOKS AND SPECIAL VOLUMES

- Participation in the Authorship of the book 'Laboratory Experimental of General and Inorganic Chemistry'  
'- Laboratory Guide of Chemistry Experiments for Students of High School 1<sup>st</sup> Grade.'

## ADDITIONAL INFORMATION

- **Presentations at conferences:**  
Presentations of Chemistry and Didactics of Chemistry in more than 80 conferences, both Greek and international
- **Supervision of doctoral theses:**  
Supervisor in 5 PhD theses
- **Supervision of graduate students:**  
Supervisor in 6 Chemistry masters' theses and 16 Chemistry Didactics masters' theses
- **Supervision of undergraduate students:**  
Supervisor in 8 Under-graduate final theses
- **Organisation of seminars and conferences (1989 – 2002):**
  - Member of the organising Committees of almost all annual educational seminars on the Didactics of Chemistry, attended by 150 – 350 teachers of Chemistry from every part of Greece every year.
  - Member of the organising Committee of the 5<sup>th</sup> **ECRICE** (European Conference on Research in Chemical Education)
  - Member of the organising and scientific Committee of the 8<sup>th</sup> **FIGIPAS** Meeting in Inorganic Chemistry
  - Member of the organising Committee of **the Chemistry Olympiad, in Greece**

## SELECTED PUBLICATIONS (link OF PUBLICATIONS)

Maximum 10 selected recent publications

- **Theoretical and experimental investigation of carnosine and its oxygenated adducts. The reaction with the nickel ion** Dimitrios Pavlos, Panayiotis Petropouleas, Despina Hatzipanayioti \*  
Chemical Physics **461**, 5 2015, Pages 63-73  
<https://doi.org/10.1016/j.chemphys.2015.08.027>
- **The chemistry and preparation of tantalum complexes with 2,3-dihydroxy benzoic acid: Experimental and theoretical investigation**  
Despina Hatzipanayioti, Konstantinos Kontotheodorou  
*Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, **78**, (2011), Pages 949-960  
<https://doi.org/10.1016/j.saa.2010.11.049>
- **Theoretical and experimental investigation of the semiquinone forms of protocatechuic acid.**

### **The effect of manganese**

Despina Hatzipanayioti, Panayiotis Petropouleas

*Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 75, (2010), Pages 997-1007 <https://doi.org/10.1016/j.saa.2009.12.025>

- **Preparation, spectroscopic and high field NMR relaxometry studies of gadolinium(III) complexes with the asymmetric tetraamine 1,4,7,11-tetraazaundecane**  
Despina Hatzipanayioti \*, Antonis Veneris  
*Spectrochimica Acta Part A* 74 (2009) 363–369 <https://doi.org/10.1016/j.saa.2009.06.030>
- **Students' Difficulty in Connecting the Properties of the Compounds with Chemical Bonding; Misconceptions of Greek Students**, M. Vlasi, D. Stambaki, A. Karaliota, 9th European Conference on Research in Chemical Education (ECRICE), Istanbul, 6-9 July 2008
- **DFT and experimental investigation of catecholate derivatives of benzoic acid and pyridine**  
Despina Hatzipanayioti \*, George Tzeferakos, Panayiotis Petropouleas  
*Chemical Physics* 345 (2008) 119–129 <https://doi.org/10.1016/j.chemphys.2008.02.003>
- **Synthesis and spectroscopic investigation of new nickel(II) complexes with the open chain asymmetric tetraamine 1,4,7,11-tetraazaundecane: Crystal structure of the square-planar complex**  
Despina Hatzipanayioti, Antonis Veneris and Simon Parsons  
*Inorganica Chimica Acta*, Volume 360, (2007), Pages 2857-2861  
<https://doi.org/10.1016/j.ica.2007.01.019>
- **Theoretical and spectroscopic investigation of the oxidation and degradation of protocatechuic acid**  
Despina Hatzipanayioti \*, Alexandra Karaliota , Mary Kamariotaki ,  
Vasilios Aletras , Panayiotis Petropouleas  
*Chemical Physics* 325 (2006) 341-350  
DOI: [10.1016/j.chemphys.2005.12.029](https://doi.org/10.1016/j.chemphys.2005.12.029)
- **"Electrochemical and Spectroscopic studies of 2,3 -dihydroxybenzoic acid, its oxidation products and their interaction with manganese (II), in dimethylsulfoxide solutions"**  
D. Hatzipanayioti, A. Karaliota, M. Kamariotaki, A. Veneris, P. Falaras  
*Trans Met Chem* 23,407 (1998) <https://doi.org/10.1023/A:1006940614035>
- **"Preparation and properties of pentatribenxylammonium tetrakis-oxalato-tantalate(III) tetrahydrate"**  
D. Hadzipanayioti-Stabaki and D. Katakis  
*J. Inorg. Nucl. Chem.* 39, 995 (1977)