Curriculum Vitae

Mr Òscar Rubio Pons
València
Spain

August 2, 2001

ACADEMIC DATA

Degree in Chemistry
Center: University of Valencia Faculty of Chemistry
Period: 1994-1999
Final project at Department of Analytical Chemistry
Determination in flow injection Analysis: The acridines
Post-Degree studies / Research student
Theoretical and Computational Chemistry
January 2000
Center: University of Valencia Faculty of Chemistry

Doctoral Courses attended

Spectroscopy -Photochemistry	Fundamentals of quantum chemistry
Photolectronic spectroscopy	Molecular Modeling
Methods of quantum chemistry	Dynamics of the chemical reactions
Computational Methods	

Previous Scientific Activity

Date	Job	Place
Summer 96-97	Basic researcher	Dept Analytical Chemistry
Summer 98-January 99	Basic researcher	Dept Vegetal Biology
July 99-November 99	Scholarship Holder	Dept Analytical Chemistry
November 99-December 00	Research student	Dept Physical Chemistry
December 00-April 01	Research student/ Scholar	Dept Physical Chemistry

Linguistics Skills

Spanish and Catalan are mother tongue

(R= Regular; G= Good; C= Correct)

Languages	Speak	Read	Write
English	G	G	G
Portuguese	R	C	G

RESEARCH PROJECTS

- RESEARCH GRANT
  Title Project: Estudio y seguimiento del fitoplacton y niveles de nutrientes en el litoral de la Comunidad Valenciana (Monitoring and study of the phytobiology and nutrient levels on the coast of the Mediterranian sea, (Valencian Region))
  Period: July 1999 to: November 1999
  Research supervisor: Dr. J. Martínez Calatayud

- RESEARCH SCHOLARSHIP
  Title Project: Caracterización teórica de los espectros de compuestos heterociciclos aromaticos (Theoretical study of the spectra of the aromatic heterocyclic compounds)
  Period: December '00 to: April '01
  Research supervisor: Dra. Manuela Merchán

PAPERS

1. Theoretical Insight into Photophisics of Acridine. O. Rubio-Pons, L.Serrano-Andrés and M.Merchán. Submitted. (2001)

2. Flow-injection analysis study on the chemilumisnescent behavior of proflavine and acriflavine; O. Rubio-Pons, D.M. Gregorio; J V Garcia Mateo y J M. Calatayud. Analytical Chimica Acta (2001) (Accepted)

CONGRESSES

Authors	O. Rubio-Pons, J V Garcia Mateo and J M. Calatayud
Title	Chemilumiscence Determination of Acriflavine
Participation	Poster
Congress	The Tenth International Conference on Flow Injection Analysis
Place	Prague, (Czech Republic)
Year	1999
Authors	O. Rubio-Pons, D. Martinez Gregorio, M. Catalá Icardo J V Garcia Mateo y J M. Calatayud
Title	Quimioluminiscencia de las Acridinas (Chemiluminiscence of Acridines)
Participation	Presence and Contribution presented
Congress	XI Reunion Cientifica de la Sociedad Española de Quimica Analitica
Place	Valencia (Spain)
Year	1999
Authors	O. Rubio-Pons, D. Martinez Gregorio, M. Catalá Icardo C. Gomez Benito, J V Garcia Mateo y J M. Calatayud
Title	Study of the Chemilumiscence of Aminoacridines
Participation	Poster
Congress	The eighth International Conference on Flow Injection Analysis
Place	Warsaw (Poland)
Year	2000
Authors	O. Rubio-Pons, Luis Serrano-Andrés and Manuela Merchán
Title	Estudi teoric de l'espectre de l'acridina neutra i protonada per la teoria Multistate-CASPT2 (MS-CASPT2) (Theoretical study of the electronic spectrum of the neutral and protonated acridine by using MS-CASPT2 method)
Participation	Presence and Contribution presented
Congress	XVI Reunió de la xarxa de Química Teòrica de la Generalitat de Catalunya
Place	Barcelona (Spain)
Year	2000

INTERESTS AND EXPERIENCE

- Methods in quantum chemistry CASSCF/ CASPT2
- Quantum chemistry software MOLCAS (University of Lund).
- Theoretical spectroscopy studies.
- Photochemical and Photophysical properties of molecular compounds.
- Molecular Mechanics
- Analysis of pharmaceutical compounds in flow injection
- Programming in C, Fortran, environment UNIX-LINUX.
- Office computting, word processing LaTeX, StarOffice51