

Part A. PERSONAL INFORMATION		CV date		26/02/2020
First and Family name	ILUMINADA GALLARDO			
Social Security, Passport, ID number		Age	64	
Researcher numbers	Researcher ID	H-6303-2015		
	Orcid code	0000-0003-3962-4745		

A.1. Current position

Name of University/Institution	UNIVERSITAT AUTÒNOMA BARCELONA		
Department	CHEMISTRY		
Address and Country	CAMPUS BELLATERRA		
Phone number	34 93 581 2137	E-mail:	iluminada.gallardo@uab.cat
Current position	UNIVERSITY PROFESSOR	From:	14/08/2007
Espec. cód. UNESCO	221005, 230316, 230615, 330309		
Palabras clave	Molecular Electrochemistry, Reaction Mechanisms, Electrosynthesis: Application to Organic and Inorganic Compounds. Modified electrodes.		

A.2. Education

PhD	University	Year
Chemistry	Autònoma Barcelona	1980

A.3. JCR articles, h Index, thesis supervised...

* 6 research sections (1975-2014) 17/06/2015

* 3 Thesis supervised

“Diseño de nuevas rutas sintéticas de compuestos aromáticos. Estudio de reactividad electroquímica en líquidos iónicos”.

Hugo Cruz. 2011. UAB. Sobresaliente Cum Laude. Co-director: Gonzalo Guirado

“Actividad electroquímica de interruptores moleculares en sistemas fotocromicos y ácido-base”.

Gemma Prats Alvarez. 2012. UAB. Apto Cum Laude. Co-director: Gonzalo Guirado

“Reacciones de arilación promovidas electroquímicamente”

Sergio Soler Salas. 2017. UAB. Sobresaliente Cum laude

* 1690 total citations

* h = 19

* Q1 publications: 39

Part B. CV SUMMARY (max. 3500 characters, including spaces)

Iluminada Gallardo graduated in Chemistry from the Universitat Autònoma de Barcelona in 1975, and she received her PhD in Chemistry from the same University (1980) in the area of molecular electrochemistry. She carried out further studies in this field as post-doctoral researcher at the University of Paris VII, under the direction of Prof. Saveant and Prof. Andrieux from 1985 to 1987. In 1987 she started her academic career as associate professor at the Universitat Autònoma de Barcelona and since 2007 she is full professor at this University.

Prof. Gallardo has directed and coordinated a number research projects funded by public agencies that incorporated a 5 or 6 permanent faculties and she has also directed several industrial projects for BASF, Air Products and Bioiberica. She is author of two book chapters, three patents and more than 70 articles in electrochemistry journals, but more recent research was reported in high impact general chemistry journals. Furthermore, she has supervised 11 PhD thesis and a grand number of Master's thesis.

Prof. Gallardo received in 2008 the CIDETEC Award for the more distinguished publication of the Electrochemistry Group of the Spanish Royal Society of Chemistry. She also received in 2009 the Prize for the Excellence in Research of the Universitat Autònoma de Barcelona.

Prof. Gallardo was responsible for three years (2006-2009) for Graduate Studies of the Departament de Química, and since 2003 she is the Coordinator of the Doctoral Program "Electrochemistry: Science and Technology" that involves 10 Spanish universities.

Part C. RELEVANT MERITS

C.1. Publications (including books)

- * I. Gallardo, A.B. Gomez, G. Guirado, A. Larino, M. Moreno, M. Ortigosa, S. Soler
From 4-nitrotoluene and 4,4'-dinitrobibenzyl to E-4,4'-dinitrostilbene: an electrochemical approach
N. J. Chem 42, 7005 (2018), 16 3,210
- * I. Gallardo, S. Soler
Electrochemically promoted arylation of iodoaromatics
J. Electroanal. Chem., 799, 9 (2017), 8.
- * I. Reche, I. Gallardo, G. Guirado 3,012
An Analysis of Anion-Specific Effects on the Standard Potential Shifts of 9-Fluorenone in Room-Temperature Ionic Liquids with a Silver Electrode as a Cathode Material
ChemElectroChem, 12, 2104 (2014), 6 4,136
- * I. Gallardo, G. Guirado
"Electrochemical C-H Functionalization of Arenes and Heteroarenes" páginas 241-275.
En "METAL FREE C-H FUNCTIONALIZATION OF AROMATICS. NUCLEOPHILIC DISPLACEMENT OF HYDROGEN". Valery Charushin, Oleg Chupakhin Ed.
Topics in Heterocyclic Chemistry 37
Springer, 2014
ISBN: 978-3-319-07018-6
- * I. Gallardo, G. Guirado, M. Moreno, G. Prats, M. Takeshita
Bidireccional Redox Molecular Switches: Electron-induced Cyclization and Cycloreversion Processes in Metacyclophanes
Chem. A Eur. J, 18, 9807 (2012), 6 5,696
- * H. Cruz, I. Gallardo, G. Guirado
Electrochemically promoted nucleophilic aromatic substitution in room temperature ionic liquids –an environmentally benign way to functionalize nitroaromatic compounds
Green Chem., 13, 2531 (2011), 12 6,850
- * I. Gallardo, N. Vilà
One-Pot Electrosynthesis of Substituted Imidazolium and Tetrahydropyrimidinium Salts from Secondary Alkyldiamines: An Electrochemical Route toward Ionic Liquids
J. Org. Chem., 75, 680 (2010), 10 4,638
- * I. Gallardo, G. Guirado, G. Prats, M. Takeshita
Electrochemically triggered conversion between Metacyclophan-1-ene and Dihydropyrene molecular switching systems.
Phys. Chem. Chem. Phys., 11, 1502 (2009), 7 4,198
- * I. Gallardo, N. Vilà
Electrosynthesis of Hindered Alkyl Amines: Evidence for an Electrocatalytic Anodic Mechanism
J. Org. Chem., 73, 6647 (2008), 7 4,638
- * H. Cruz, I. Gallardo, G. Guirado
Understanding Specific Effects on the Standard Potential Shifts of Electrogenenerated Species in 1-Butyl-3-Methylimidazolium Ionic Liquids
Electrochim. Acta, 53, 5968 (2008), 9 4,504

C.2. Research projects and grants

“Nuevos métodos y materiales sostenibles basados en procesos fotoquímicos y electroquímicos”

Ministerio de Economía y Competitividad. CTQ2015-65439. 88.330 €

2016-2018

IP: Gonzalo Guirado – Jordi Hernando

Número de investigadores participantes: 8

“La Transferencia Electrónica como Etapa Clave en el Estudio de Mecanismos de Reacción y Síntesis de Productos. Su Aplicación a Nuevos Dispositivos y Materiales Moleculares”.

MICINN. CTQ2012-30853. 115.000 €

2013 -2015

IP: I. Gallardo.

Número de participantes: 8

*“La Transferencia Electrónica como Etapa Clave en el Estudio de Mecanismos de Reacción y Síntesis de Productos. Su Aplicación a Nuevos Dispositivos y Materiales Moleculares.”

MICINN. CTQ2009-07469/BQU. 142.000 €

2009 - 2012

IP: I. Gallardo.

Número de participantes: 8

*Grup d'Electroquímica, i Química Verda

AGAUR (2017 SGR 690)

2018

IP: G. Guirado

*Grup d'Electroquímica, Fotoquímica i Reactivitat Orgànica (GEFRO)

AGAUR (2014SGR 560)

2014

IP: I. Gallardo

*Grup d'Electroquímica, Fotoquímica i Reactivitat Orgànica (GEFRO)

AGAUR (2009SGR 1084)

2009

IP: I. Gallardo

C.3. Contracts

* CENIT 2008_1027. SOST-CO2

CDTI. SOCIEDAD ESPAÑOLA DE CARBUROS METÁLICOS

Universidad Autónoma de Barcelona y Matgas. 135 000 €

2008- 2011

Responsable: J.L.Bourdelande (number of UAB researchers)

* CENIT 2010_1085. LIQUIÓN

CDTI. BASF

Universidad Autónoma de Barcelona y Basf. 101.000 €

2010 - 2013

Responsable: Iluminada Gallardo (number of UAB researchers: 2)

C.4. Patents

Lurdes VEGA, Oriol OSSO, Iluminada GALLARDO, Gonzalo GUIRADO, Ana Belén GÓMEZ, Irene RECHE

“Electrocarboxylation Synthesis for Obtaining Intermediates Useful for the Synthesis of Span Derivatives”

MatGas. P 26124EP00. España. 01/09/2012

C.5. Awards

* Award for research excellence. PREI 2008. Universitat Autònoma de Barcelona.

* Cidetec Award 2007 (Electrochemical Group of Real Sociedad Española de Química).

C.6. Memberships of scientific societies

* Comité Scientifique des Journées d'Electrochimie en tant que représentante de la communauté de l'electrochimie en Espagne. Julio 2006-

* President of the electrochemical group of the RSEQ

C.7. Creation of the Molecular Electrochemistry Laboratory at the UAB in 1992