

Part A. PERSONAL INFORMATION		CV date	02/27/2020
First and Family name	José Manuel Sevilla Suárez de Urbina		
Social Security, Passport, ID number		Age	58
Researcher numbers	Researcher ID	7005680157	
	Orcid code	0000-0003-0056-8344	

A.1. Current position

Name of University/Institution	University of Córdoba		
Department	Department of Physical Chemistry and Applied Thermodynamics		
Address and Country	Ed. Marie Curie, 2nd f, Campus de Rabanales		
Phone number	957218646	E-mail	gf1sesuj@uco.es
Current position	Titular Teacher of the University	From	10-10-1995
Espec. cód. UNESCO	230705, 230707, 230208		
Keywords	Electrochemistry, modified electrodes, self-assembly monolayers, metallic nanoparticles, electrocatalysis		

A.2. Education

PhD	University	Year
Degree in Chemical Sciences	University of Córdoba	1986
PhD in Chemistry	University of Córdoba	1990

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

Sexenios of investigation: 4
 Date of the last sexennium: 01-01-2015
 Doctoral theses directed in the last 10 years: 1
 Total citation: 518
 Average citations in the last 5 years: 28
 Total publications in the first quartile (Q1): 34
 Index h: 14

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

- Degree in Chemical Sciences from the University of Córdoba (1980/1985).
- Bachelor Degree: 08/11/1985 (Distinction).
- PhD in Chemistry (07/12/1990) by the University of Córdoba:
Department of Physical Chemistry and Applied Thermodynamics of University of Córdoba.
- Scholar of the Sectoral Program for the Training of Research Staff (Junta de Andalucía) (03/19/1986 to 09/26/1988).
- Secondary Teacher, Junta de Andalucía (09/26/1988 to 09/25/1995)
- Titular Teacher of the University (09/25/1995 to -)

Training and development in electrochemical studies of substances of biological interest. Electrocatalysis. Classical electrochemical techniques applied to electrode kinetics, study with UME systems, EQCM and applications in the formation of monolayers organized on mercury, gold and platinum. EIS and SECM applied to nanostructured systems. Bioconjugates using spectroscopic and electrochemical techniques.

Research linked to the research projects of the group when I have been part of for more than 25 years.

Part C. RELEVANT MERITS

C.1. Publications (including books)

Authors: Fernando Cañaveras, Rafael Madueño, José M. Sevilla, Manuel Blázquez, and Teresa Pineda

Title: Role of the Functionalization of the Gold Nanoparticle Surface on the Formation of Bioconjugates with Human Serum Albumin

Journal: J. Phys. Chem. C, 2012, 116, 10430-10436

Code: A EE.UU.

Authors: R. Jiménez Pérez, J.M. Sevilla, T. Pineda, M. Blázquez, J. González-Rodríguez

Title: Electrochemical behaviour of gamma hydroxybutyric acid at a platinum electrode in acidic medium

Journal: Electrochimica Acta, 2013, 111, 601-607

Code: A Suiza

Authors: B. Cárdenas, G. Sánchez-Obrero, R. Madueño, J.M. Sevilla, M. Blázquez, T. Pineda

Title: Influence of the Global Charge of the Protein on the Stability of Lysozyme-AuNP Bioconjugates

Journal: J. Phys. Chem. C, 2014, 118, 22274-22283

Code: A Estados Unidos

Authors: R. Jiménez-Pérez, J.M. Sevilla; T. Pineda; M. Blázquez; José Rodríguez-González

Title: Comparative study of gamma-hydroxybutyric acid (GHB) and other derivative compounds by spectroelectrochemistry raman (SERS) on platinum surface

Journal: Electrochim. Acta, 2016, 193, 154-159

Code: A Suiza

Authors: Rafael del Caño, Lucia Mateus, Guadalupe Sánchez-Obrero, José M. Sevilla, Rafael Madueño, Manuel Blázquez, Teresa Pineda.

Title: Hemoglobin bioconjugates with surface-protected gold nanoparticles in aqueous media: The stability depends on solution pH and protein properties.

Journal: J. Colloid Interface Sci. 2017, 505, 1165-1171.

Code: A Holanda

Authors: Rafael del Caño, Lucia Mateus, Guadalupe Sánchez-Obrero, José M. Sevilla, Rafael Madueño, Manuel Blázquez, Teresa Pineda.

Title: Hemoglobin becomes electroactive upon interaction with surface-protected Au nanoparticles.

Journal: Talanta 2018, 176 (Supplement C), 667-673.

Code: A Holanda

Authors: Rebeca Jiménez-Pérez, José Manuel Sevilla; Teresa Pineda, Manuel Blázquez; José Rodríguez-González.

Title: Electrocatalytic performance enhanced of the electrooxidation of gamma-hydroxybutyric acid (GHB) and ethanol on platinum nanoparticles surface. A contribution to the analytical determination of GHB in the presence of ethanol.

Journal: Sensors and Actuators B: Chemical, 2018, 256, 553-563

Code: A Holanda

Authors: Bakhtiyar Qader, Mark Baron, Issam Hussain, J.M. Sevilla; Robert P. Johnson; José Rodríguez-González

Title: Electrochemical determination of disulfoton using a molecularly imprinted poly-phenol polymer

Journal: Electrochim. Acta, 2019, 295, 333-339

Code: A Suiza

C.2. Research projects and grants

Reference: CTQ2004-00977/BQU

Title of the project: Characterization of metallic nanoparticles. Construction of functional interfaces by assembly of nanoparticles on surfaces.

Financing entity and call: Ministerio de Ciencia y Tecnología. BOE-A-2003-20684

Responsible researcher: Dr. Manuel Blázquez Ruiz

Participating entities: Universidad de Córdoba

Duration: 2004- 2007

Amount of the subsidy: 97.000 EUR

Participation: Researcher

Reference: CTQ2007-62723

Title of the project: Metallic nanoparticles protected by monolayers. Self-assembly of functionalized nanoparticles.

Financing entity and call: Ministerio de Educación y Ciencia. BOE-A-2007-854

Responsible researcher: Dra. M^a Teresa Pineda Rodríguez

Participating entities: Universidad de Córdoba

Duration: 2007- 2010

Amount of the subsidy: 70.000 EUR

Participation: Researcher

Reference: CTQ2010-16137

Project title: Design of 2D and 3D molecular platforms at the nanoscale. Surface patterns formed on gold substrates.

Financing entity and call: Ministerio de Ciencia e Innovación. BOE-A-2009-21233

Responsible researcher: Dra. M^a Teresa Pineda Rodríguez

Participating entities: Universidad de Córdoba

Duration: 2010- 2013

Amount of the subsidy: 59.000 EUR

Participation: Researcher

Reference: P10 FQM-6408

Title of the project: Characterization of nanostructured material formed on gold alloys with applications in the field of jewelery.

Financing entity and call: Consejería de Economía, Innovación, Ciencia y Empleo. 2010

Responsible researcher: Dra. M^a Teresa Pineda Rodríguez

Participating entities: Universidad de Córdoba/ Empresa MAJ Joyeros S.L

Duration: 2011- 2014

Amount of the subsidy: 153.400 EUR

Participation: Researcher

Referencia: CTQ2014-60227-R

Title of the project: Design and characterization of nanobioconjugates. New elements in the construction of biological interfaces for the improvement of health and social welfare.

Financing entity and call: Ministerio de Economía y Competitividad

Responsible researcher: Dra. M^a Teresa Pineda Rodríguez

Participating entities: Universidad de Córdoba

Duration: 2014-2018

Amount of the subsidy: 81.000 EUR

Participation: Researcher

C.3. Contracts

Contract Title: Characterization of nanostructured material formed on gold alloys with applications in the field of jewelery.

Company: MAJ Joyeros S.L

Responsible researcher: Dra. M^a Teresa Pineda Rodríguez

Participating entities: University of Córdoba / Empresa MAJ Joyeros S.L

Duration: 2011- 2014

Amount of the subsidy: 23.010 EUR

Title: Supply of nanomaterials for commercialization.

Principal investigator (name and surname): Dra. M^a Teresa Pineda Rodríguez

Funding entity: CONTRATOS ART. 83 OTRI 2014 Contracts Art. 83 LOU

Company: Nanoquimia S.L.

Duration: 09-15-2014 to 09-15-2015

Funding received (in euros): € 1500

C.4. Patents

C.5, C.6, C.7... (e. g., Institutional responsibilities, memberships of scientific societies...)