

CURRICULAR SUMMARY

Name of Researcher: Susana Inés Córdoba de Torresi

1-Formation:

Graduation: Bachelor in Chemical Physics. Faculty of Chemical Sciences, National University of Cordoba, Argentina. (1984).

Post - Graduation: PhD in Chemical Sciences. Faculty of Chemical Sciences, National University of Cordoba, Argentina. (1988)

Post-doctoral Internships: UPR 15 du CNRS, Université de Paris VI. France (1988-1990). Visiting Researcher, Gleb Wataghin Institute of Physics, UNICAMP, Brazil (1990-1993). Visiting Researcher, Department of Chemistry, UFSCar, Brazil. (1994-1996)

2-Professional History and awards:

Associate Professor - Institute of Chemistry, University of São Paulo. 1996

Associate Professor -HDr. Institute of Chemistry, University of São Paulo. (1999).

Full Professor (Ref MS-6) Institute of Chemistry, USP, since March 2006.

Awards:

- Pascoal Senise Award 2021-Best PhD Thesis in Chemistry, IQ/USP
- Best PhD Thesis Award 2021- Exact Sciences – USP
- Vanderlan Bolzani Award 2021 – Brazilian Chemical Society.
- Quality in Publication 2020, 2019, 2018, 2011, 2010. IQ/USP
- Brazilian Women in Chemistry Award from ACS, C & N, SBQ, Leadership at the Academy. (2018).
- Full Member of the Academy of Sciences of the State of São Paulo (2017)
- Full Member of the Brazilian Academy of Sciences. 2013
- National Order of Scientific Merit, category Commander. 2008
- Tajima Prize, International Society of Electrochemistry. 1999.

3-Chosen recent publications (5)

Relation between the nature of the surface facets and the reactivity of Cu₂O nanostructures anchored on TiO₂NT@PDA electrodes in the photoelectrocatalytic conversion of CO₂ to methanol.

Torquato, L. D. M. ; Pastrian FC ; Perini, J. A. ; Irikura, K. ; Batista, A. P. L. ; Oliveira-Filho, A. G. ; Córdoba De Torresi, Susana I. ; Zannoni, M. V. B.
Applied Catalysis B-Environmental, v. 261, p. 118221, 2020. (FI= 19,5)

Spatially Localized Electrodeposition of Multiple Metals via Light-Activated Electrochemistry for Surface Enhanced Raman Spectroscopy Applications.

Colombo, Rafael N.P. ; Gonçalves, Vinicius Romero ; Gaultan, Shreedhar ; Tilley, Richard ; Gooding, John Justin ; Cordoba De Torresi, Susana .
Chemical Communications, v. 56, p. 5831-5834, 2020. (FI = 6,22)

In situ FTIR insights into the electrooxidation mechanism of glucose as a function of the surface facets of Cu₂O-based electrocatalytic sensors

AHB Dourado, AGM da Silva, FAC Pastrían, RL Munhos, AP de Lima Batista, A.G. S. Oliveira-Filho, P.H.C. Camargo, S.I. Cordoba de Torresi.
Journal of Catalysis 375, 95-103, 2019 (FI= 7,9)

Opportunities and Knowledge Gaps of SO₂ Electro-Catalytic Oxidation for H₂ Electrochemical Generation.

Dourado, Andre B ; Munhos, Renan ; Silva, Norberto A ; Dell Colle, Vinicius ; Carvalho, Gabriel ; Oliveira, Pedro Vitoriano ; Arenz, Matthias ; Varela, Hamilton ; Córdoba De Torresi, Susana Inés .

ACS Catalysis, v. 9, p. 8136-8143, 2019. (FI= 13,1)

Why Could the Nature of Surface Facets Lead to Differences in the Activity and Stability of Cu₂O-Based Electrocatalytic Sensors?
FAC Pastrían, AGM da Silva, AHB Dourado, AP de Lima Batista, A.G. S. Oliveira-Filho, P.H.C. Camargo, S.I. Cordoba de Torresi.
ACS Catalysis 8 (7), 6265-6272, 2018 (FI = 13,1)

4-Current Projects and Ongoing supervisions:

- * CNPq Researcher Scholarship Level 1A.
- * Thematic Project FAPESP 2021/00675-4 (Principal Investigator)
- * Thematic Project FAPESP 2018 / 13492-2 (Principal Investigator)
- * CPE FAPESP/SHELL 2020/15230-5 (Associate Investigator)
- * SPRINT (FAPESP-University of Manchester) 2019/15781-4

Ongoing supervisions:

PhD Thesis:

- * Gabrielle Cerqueira
From 2018 (Scholarship FAPESP)
- * Lucas Dias Germano
From 2018 (Scholarship FAPESP).
- * Lazara Ferrer
From 2021 (Scholarship CAPES)
- * Leonardo Domenico Deangelis
From 2021 (Scholarship FAPESP)

5-Numerical Indicators:

- a) books published: 0
- b) publications in periodicals with selective editorial policy: 215
- c) book chapters: 6
- d) Masters theses supervised and already defended: 9.
- e) Doctoral theses oriented and already defended: 22.
- f) Post doctorates already completed: 13
- g) Citations in the ISI: 5442 Index H: 42 (Ago 2022)
- h) Google Scholar: 7499, Index H: 52 (Ago 2022)

6-Links

My research ID:

<http://www.researcherid.com/rid/E-6560-2012>

My citations

http://scholar.google.com.br/citations?hl=pt-BR&user=W_81ctsAAAAJ

ORCID

<https://orcid.org/0000-0003-3290-172X>

7-Other Information

- Adjunct Research Provost , São Paulo University (2022-present)
- Member of the Editorial Board of Electrochemical Science Advances (2020-present)
- Member of the Chemistry Committee- FAPESP (2016- present)
- Member of the Editorial Board of Journal of Electroanalytical Chemistry (2008-present)
- Member of the Editorial Committee of the International Society of Electrochemistry (2005-2008 and 2018-present)
- Topic Editor of Frontiers in Medical Technologies Journal (2020-2021).
- Editor in Chief Química Nova (Brazilian Chemical Society), 2000-2020

- Vice President of the International Society of Electrochemistry (2012-2014)
- Chair of the IQ-USP Under graduation Committee (2009-2014)
- Member of the Advisory Committee of SCIELO-Brasil as representative of the Editors of Exact Sciences journals (2005-2009).
- Chair of the IQ-USP Graduate Committee (2003-2005)
- Guest editor in the special issue related to the XII and XIII Brazilian Symposium of Electrochemistry and Electroanalytics of the Journal of the Brazilian Chemical Society,
- Advisor to FAPESP, CNPq, CONICET (Argentina), National Science Foundation.
- Evaluator of scientific works for:
 Chemical Science, ACS Catalysis, Journal of the Electrochemical Society, Electrochemistry Acta, Journal of Solid State Electrochemistry, Journal of the Brazilian Chemical Society, Journal of Nanosciences and Nanotechnologies, Journal of the American Chemical Society, Journal of Physical Chemistry B, Electrochemical and Solid State Letters, Polymers, Synthetic Metals, Journal of Electroanalytical Chemistry, Electrochemistry Communications, Analytica Chimica Acta, Biosensors & Bioelectronics, Talanta, Materials Research Bulletin, Langmuir, among others.
- Participation as a member of Jury: a) Professorship Appointment: 5; b) Master's degree in Brazil: 16; Master's Degree Abroad: 1 c) PhD in Brazil: 61; PhD Abroad: 6; Tèse d'Habilitation à Diriger des Recherches (France): 1; c) HDR Brazil): 2.
- Memberships: Brazilian Chemical Society, American Chemical Society, International Society of Electrochemistry and Electrochemical Society.