

CURRICULUM VITAE

PERSONAL INFORMATION

Name: **GERARDO ROBERTO OCAMPO**

E-mail address: gerardo.ocampo.qca.unt@gmail.com

ACADEMIC BACKGROUND

2011-2017 ○ UNIVERSITARY DEGREE

National University of Tucumán (UNT)

Faculty of Biochemistry, Chemistry and Pharmacy (FBQF)

Address: San Miguel de Tucumán, Tucumán, Argentina

Web: <http://www.fbqf.unt.edu.ar>

Degree: Graduated in Chemistry (5-year degree) - *Grade average:* 8,55

GROUP POSITION

PhD STUDENT

Topic: BIFUNCTIONAL CATALYSTS BASED ON MIXTURES OF METALLIC PORPHYRINS AND PHTALOCYANINES AS CATHODIC COMPONENTS IN LITHIUM-OXYGEN BATTERIES

Scientific Interests: Heterogeneous Catalysis - Surface Science – Electrografting- Organic synthesis - Lithium batteries // ORR-OER // metallic porphyrins- phtalocyanines

FELLOWSHIPS

2017 -
Present

○ DOCTORAL INTERNAL FELLOWSHIPS CONICET

Director: PhD. Doris Grumelli / *Codirector:* PhD. Victoria Flexer

Workplace: Institute of Theoretical and Applied Physical-Chemical Research (INIFTA), Faculty of Exact Sciences, National University of La Plata (UNLP), La Plata, Buenos Aires, Argentina.

By contest: Yes

AWARDS

2016

○ FLAG ESCORT

Merit: 10 best bachelor's average at FBQF- UNT.

Entity: National University of Tucumán (UNT)

LAST PUBLICATIONS, CONFERENCES AND SYMPOSIA

- 2020 ○ Iron Porphyrin Monolayers Supported on Gold Electrodes: Influence of its Orientation on Electrocatalytic activity of Oxygen Reduction Reaction
Type: Poster
Event: 71st Annual ISE Meeting Belgrade Online
- 2019 ○ Electrografting of Iron Porphyrins on Gold: Improving Stability for Oxygen Reduction Catalyst
Type: Poster
Event: Photo- and Electrocatalysis at the Atomic Scale
- 2019 ○ Electrografting of Monolayers of Iron Porphyrins on Surfaces of Au and Evaluation of the Activity and Catalytic Stability of the Oxygen Reduction Reaction.
Type: Poster
Event: XIX Meeting of Nanostructured Materials and Surfaces – NANO 2019
- 2019 ○ Controlled Electrografting of Monolayers of Iron porphyrins on Au to the study of the Electrocatalytic Activity in front of the Oxygen Reduction Reaction
Type: Oral contribution
Event: XXI Argentinian Congress of Physical Chemistry and Inorganic Chemistry
- 2018 ○ Biomimetics of Oxygen Reduction Reaction Based on Films of Metallic Porphyrins
Type: Poster
Event: International Workshop on Self-Assembly and Hierarchical Materials in Biomedicine: Drug Delivery, Tissue Engineering, Sensing and Safety Issues
- 2018 ○ Electrocatalytic Activity of Metallic Porphyrins as Components of Cathodes in Lithium-Oxygen Batteries
Type: Oral contribution
Event: San Luis Conference on Surfaces, Interfaces and Catalysis
- 2018 ○ Electrocatalytic Activity of Metallic Porphyrins as Components of Cathodes into the Lithium Oxygen Batteries
Type: Poster
Event: XVIII Meeting of Nanostructured Materials and Surfaces – NANO 208
- 2017 ○ Evaluation of Corrosion Resistance of Micro/Nanostructured Electrodeposits of Ni-W by Electrochemical Techniques
Type: Poster
Event: XX Argentinian Congress of Physical Chemistry and Inorganic Chemistry

POSTGRADUATE COURSES

- 2019 ○ Advanced Techniques of X-Ray for the Characterization of New Materials.
Institution: National University of La Plata
Course duration: 42 hours

- 2019 ○ Fundamentals and Applications of the Scanning Tunneling Microscopy (STM) and Atomic Force Microscopy (AFM)
Institution: National University of La Plata
Course duration: 15 hours
- 2019 ○ University and Social Engagement
Institution: National University of La Plata
Course duration: 70 hours
- 2019 ○ Rietveld method applied to X-Ray diffraction of powders
Institution: National University of La Plata
Course duration: 40 hours
- 2019 ○ Advanced Toxicology and Forensic Chemistry
Institution: National University of La Plata
Course duration: 80 hours
- 2018 ○ Automatization and signals processement on analytical chemistry
Institution
Institution: National University of La Plata
Course duration: 60 hours
- 2018 ○ School on Surfaces, Interfaces and Catalysis
Institution: INTEC- CONICET
Course duration: 15 hours