

CURRICULUM VITAE

PERSONAL INFORMATION

Name: **Federico Carlos David López**

E-mail address: federicolopez960@gmail.com

ACADEMIC BACKGROUND

2014-2018 ○ UNIVERSITARY DEGREE

National University of Catamarca (UNCA)

Address: San Fernando del Valle de Catamarca, Catamarca, Argentina

Web: <http://www.exactas.unca.edu.com>

Degree: Graduated in Chemistry (5-year degree) - Grade average: 8,92

GROUP POSITION

PhD STUDENT

Topic: SYNERGISTIC COMBINATION OF TWO-DIMENSIONAL FILMS OF METALLIC PORPHYRINS AND MICROPOROUS COORDINATION POLYMERS FOR ELECTROCATALYSIS APPLICATIONS: FABRICATION AND CHARACTERIZATION.

Scientific Interests: Heterogeneous Catalysis - Surface Science - UHV (Ultra high vacuum) deposition - Metalorganic Framework

FELLOWSHIPS

2019 - Present

○ DOCTORAL INTERNAL FELLOWSHIPS CONICET

Director: PhD. Doris Grumelli / Codirector: PhD. Matias

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

2019-2019

○ SUMMER FELLOWSHIPS - BALSEIRO INSTITUTE

Director: PhD. Fabiana Gennari / Lic. María Laura Grasso

Workplace: Department of materials of the Balseiro Institute (IB), Bariloche Atomic Center (CAB), Río Negro, Argentina

By contest: Yes

2017-2018

○ FELLOWSHIPS FOR THE PROMOTION OF SCIENTIFIC VOCATIONS (EVC-CIN)

Director: PhD. Ana Silvina Fuentes

Workplace: Department of Chemistry, National University of Catamarca (UNCA) - Catamarca, Argentina.

By contest: Yes

AWARDS

- 2019 ○ ARGENTINE CHEMICAL ASSOCIATION AWARD 2019
Merit: Best bachelor's average in chemistry from Argentine universities
Entity: Argentine Chemical Association
- 2020 ○ 71ST ANNUAL ISE MEETING BELGRADE ONLINE - Best poster award
Merit: Best poster
Entity: International Society Electrochemistry

LAST PUBLICATIONS, CONFERENCES AND SYMPOSIA

- 2020 ○ Kinetic Study of the Oxygen Reduction Reaction on Conductive Polymer Electrodes Decorated with ZIF-8 as an O₂ Pre-concentrator
Type: Poster
Event: 71st Annual ISE Meeting Belgrade Online
- 2020 ○ Electrocatalysis Assisted by Unique Atoms Deposited on Single crystal <001> Magnetite Surfaces
Type: Poster
Event: 71st Annual ISE Meeting Belgrade Online
- 2019 ○ Effect of Humidity on the CO₂ Capture Properties of the Li₄SiO₄ Material
Type: Poster
Event: 7th Meeting of Young Researchers in Materials Science and Technology
- 2018 ○ Development of Pd nano-structured electrocatalysts deposited autocatalytically on functionalized carbonaceous substrates
Type: Poster
Event: XVIII Meeting of Nanostructured Materials and Surfaces - NANO 2018

POSTGRADUATE COURSES

- 2020 ○ Kinetic Soft Matter and Weak Interactions
Institution: University of Buenos Aires
Course duration: 60 hours
- 2019 ○ Advanced X-ray techniques for the characterization of new materials
Institution: National University of La Plata
Course duration: 70 hours
- 9TH SCHOOL OF MATERIALS SYNTHESIS: SOL-GEL PROCESSES
Institution: University of Buenos Aires – National University of San Martín
Course duration: 100 hours
- University and Social Commitment
Institution: National University of La Plata
Course duration: 70 hours