

## Education and Employment

- **Lab Manager.** INIFTA, UNLP - CONICET, Argentina. August 2017 – Present.
- **Post-Doc.** Center for Cooperative Research in Biomaterials (CIC biomaGUNE), Donostia-San Sebastian, Spain (27<sup>th</sup> October 2016 – 4<sup>th</sup> August 2017).
- **Post-Doc.** Center for Cooperative Research in Biomaterials (CIC biomaGUNE), Donostia-San Sebastian, Spain (7<sup>th</sup> September 2015 – 7<sup>th</sup> September 2016).
- **Post-Doc.** Research Institute of Theoretical and Applied Physical Chemistry (INIFTA), UNLP - CONICET, Argentina (April 2013 – March 2015).
- **PhD in Chemistry.** Exact, Physical-Chemical and Natural Sciences Faculty, UNRC, Argentina (2013).
- **MS in Chemistry.** Exact, Physical-Chemical and Natural Sciences Faculty, UNRC, Argentina (2008).

## Grants and Fellowships

- 7- **Postdoctoral research fellowship** by CONICET. Title: *“Macromolecular monolayers at electrochemical interfaces: fundamental aspects and potential applications in electrocatalysis”*. Director: Dr. Omar Azzaroni. INIFTA, UNLP - CONICET. April 2013 – March 2015.
- 6- **PhD fellowship II** by CONICET. Title: *“Studies of gold electrodes modified by self-assembled monolayers of thiols to be used as electroanalytical sensors in the determination of natural antioxidants”*. Director: Dra. Marcela B. Moressi. Co-Director: Dra. M. Alicia Zon. UNRC. April 2011 – March 2013.
- 5- Fellowship by University of Seville financed from **Aid for Development Cooperation**. Director: Dr. Rafael Andreu Fondacabe. Dept. of Physical Chemistry, University of Seville, Seville, Spain. February 2011 – May 2011.
- 4- Fellowship by AUIP (University Iberoamerican Postgraduate Association), **Mobility Program between Andalusian and Latin American Universities**. Destination: University of Seville, Seville, Spain.
- 3- **PhD fellowship I** by CONICET. Title: *“Studies of gold electrodes modified by self-assembled monolayers of thiols to be used as electroanalytical sensors in the determination of natural antioxidants”*. Director: Dra. Marcela B. Moressi. Co-Director: Dra. M. Alicia Zon. UNRC. April 2008 – March 2011.
- 2- **Research Assistantship Grant** by SECyT/UNRC. Title: *“Development of Electroanalytical Methods for the determination of the Natural Antioxidant Fisetin”*. Director: Dra. Marcela B. Moressi. UNRC. May 2007 – April 2008.
- 1- **Research Assistantship Grant** by SECyT/UNRC. Title: *“Introduction to the Development of Electroanalytical Methods for the determination of Natural Antioxidants”*. Director: Dra. Marcela B. Moressi. UNRC. May 2006 – April 2007.

## Teaching Experience

Teaching Assistant Graduate. Department of Chemistry of Exact, Physical-Chemical and Natural Sciences Faculty, UNRC. April 2008 – December 2012.

## Scientific Publications

- 12- ***“Highly-organized stacked multilayers via layer-by-layer assembly of lipid-like surfactants and polyelectrolytes. Stratified supramolecular structures for (bio)electrochemical nanoarchitectonics”***. M. Lorena Cortez, Agustín Lorenzo, Waldemar A. Marmisollé, Catalina von Bilderling, Eliana Maza, Lía Pietrasanta, Fernando Battaglini, Marcelo Ceolín and Omar Azzaroni. *Soft Matter* 14 (2018) 1939-1952.
- 11- ***“Electrochemical Nanoarchitectonics through Polyaminobenzylamine-Dodecyl Phosphate Complexes: Redox Activity and Mesoscopic Organization in Self-Assembled Nanofilms”***. Agustín Lorenzo, Waldemar A. Marmisollé, Eliana M. Maza, Marcelo Ceolín and Omar Azzaroni. *Phys. Chem. Chem. Phys.* 20 (2018) 7570-7578.
- 10- ***“Layer-by-Layer Assembled Microgels Can Combine Conflicting Properties: Switchable Stiffness and Wettability without Affecting Permeability”***. Eliana Maza, Catalina von Bilderling, M. Lorena Cortez, Gisela Díaz, Micaela Bianchi, Lía I. Pietrasanta, Juan M. Giussi and Omar Azzaroni. *Langmuir* 34 (2018) 3711-3719.
- 9- ***“Reversible modulation of the redox activity in conducting polymer nanofilms induced by hydrophobic collapse of a surface-grafted polyelectrolyte”***. Gonzalo E. Fenoy, Juan M. Giussi, Catalina von Bilderling, Eliana M. Maza, Lía I. Pietrasanta, Wolfgang Knoll, Waldemar A. Marmisollé, Omar Azzaroni. *Journal of Colloid and Interface Science* 518 (2018) 92-101.
- 8- ***“Integration of Biorecognition Elements on PEDOT Platforms through Supramolecular Interactions”***. Luciano D. Sappia, Esteban Piccinini, Waldemar Marmisollé, Natalia Santilli, Eliana Maza, Sergio Moya, Fernando Battaglini, Rossana E. Madrid, Omar Azzaroni. *Adv. Mater. Interfaces* 4 (2017) 1700502.
- 7- ***“Layer-by-layer assemblies of highly connected polyelectrolyte capped-Pt nanoparticles for electrocatalysis of hydrogen evolution reaction”***. Gonzalo E. Fenoy, Eliana Maza, Eugenia Zelaya, Waldemar A. Marmisollé, Omar Azzaroni. *Applied Surface Science*, 416 (2017) 24-32.
- 6- ***“Electrochemical determination of fisetin using gold electrodes modified with thiol self-assembled monolayers”***. Eliana Maza, Héctor Fernández, María Alicia Zon, Marcela Beatriz Moressi. *Journal of Electroanalytical Chemistry*, 790 (2017) 1-10.
- 5- ***“Amine-appended polyaniline as a water dispersible electroactive polyelectrolyte and its integration into functional self-assembled multilayers”***. Waldemar A. Marmisollé, Eliana Maza, Sergio Moya, Omar Azzaroni. *Electrochimica Acta*, 210 (2016) 435-444.
- 4- ***“pH-responsive ion transport in polyelectrolyte multilayers of poly(diallyldimethylammonium chloride) (PDADMAC) and poly(4-styrenesulfonic acid-co-maleic acid) (PSS-MA) bearing strong- and weak anionic groups”***. Eliana Maza, Jimena S. Tuninetti, Nikolaos Politakos, Wolfgang Knoll, Sergio Moya and Omar Azzaroni. *Phys. Chem. Chem. Phys.* 17 (2015) 29935-29948.
- 3- ***“Functional nicotinic acetylcholine receptor reconstitution in Au(111)-supported thiolipid monolayers”***. Diego E. Pissinis, Carolina Diaz, Eliana Maza, Ida C. Bonini, Francisco J. Barrantes, Roberto C. Salvarezza and Patricia L. Schilardi. *Nanoscale* 7 (2015) 15789-15797.
- 2- ***“Self-assembly of poly(benzyl methacrylate)-block-poly(2-(dimethylamino)ethyl methacrylate) diblock copolymer films at the air/water interface and deposition on solid substrates via Langmuir-Blodgett transfer: aggregation behavior, morphological characteristics and subphase pH effects”***. Cecilia dos Santos Claro, Marcos E. Coustet, Carolina Díaz, Eliana Maza, Susana Cortizo, Félix G. Requejo, Lía I. Pietrasanta, Marcelo Ceolín and Omar Azzaroni. *Soft Matter* 9 (2013) 10899-10912.
- 1- ***“Electrochemical oxidation of fisetin: Studies related to its adsorption on glassy carbon electrodes”***. Eliana María Maza, Marcela Beatriz Moressi, Héctor Fernández, María Alicia Zon. *J. Electroanal. Chem.*, 675 (2012) 11–17.

## Student Training Experience

Thesis tutor for the undergraduate student in Chemistry Lewandowski, Adrián Leandro. UNLP. (2015). Director: Dr. Omar Azzaroni.

Title: "Construction of nanostructured films by layer-by-layer electrostatic assembly of carbon nanotubes on solid surfaces." Score: 10.

## Courses

- **"Quality Management System in University Laboratories. ISO 17025/2017 standards"**. UNLP. October and November 2019.
- **"Nano and microstructures for encapsulation and targeting of active ingredients and other biotechnological applications. From basic science to the nanotechnology transference" School**. Argentine-Brazilian Center for Nanotechnology (CABN). CEPROCOR, Santa María de Punilla, Córdoba. December 2012.
- **"Nanostructured materials and interfaces. Preparation, characterization and applications."** National University of Córdoba. February and March 2012.
- **"Nanotechnology and Therapeutics" School**. Argentine-Brazilian Center for Nanotechnology (CABN). Universidade Federal do Rio Grande do Sul, Porto Alegre, Brasil. December 2011.
- **"Basic principles of immunology applied to chemistry."** UNRC. September 2011.
- **"5ª Escola de Eletroquímica."** Universidade de São Paulo, São Paulo, Brasil. December 2010.
- **"High Performance Liquid Chromatography (HPLC)."** UNRC. Module 1 (June and July 2010) and module 2 (July and August 2010).
- **"Scientific writing."** UNRC. March 2010.
- **"Nanochemistry."** UNRC. July and August 2009.
- **"Chemometrics Topics"** National University of the Littoral. May 2009.
- **"Introduction to organized systems. Reverse micelles and liposomes."** UNRC. February and March 2009.
- **"Advanced data analysis: Multivariate Curve Resolution (MCR)."** Biochemical and Pharmaceutical Sciences faculty of National University of Rosario. December 2008.
- **"Electrochemistry for Chemicals."** Exact, Physical-Chemical and Natural Sciences Faculty, UNRC. August 2008.
- **Training Course "Support for University Teaching."** Exact, Physical-Chemical and Natural Sciences Faculty, UNRC. September and October 2008.
- **"Electroanalysis. Fundamentals and development of methodologies. Applications."** Exact, Physical-Chemical and Natural Sciences Faculty, UNRC. July 2008.