

# Prof. Dr. Leonardo Martín Pérez

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## PERSONAL INFORMATION

**Date of Birth:** May 18<sup>st</sup>, 1978

**City, State/Province, Country of Birth:** Rosario, Santa Fe, Argentina.

**Citizenship(s):** Argentina.

**Language(s):** Spanish (native), English (B2).

## CURRENT POSITIONS

- **Director.** *Laboratory of Sanitary and Environmental Microbiology* (MSMLab-UPC) & UNESCOSOST-Argentina (Rosario Office). **Senior Research Associate** at the *UNESCO Chair in Sustainability-Universitat Politècnica de Catalunya* (UPC-campus Terrassa, Barcelona), Spain. <https://es.unescosost.org/copia-de-el-equipos> // <https://es.unescosost.org/copia-de-unescosost-1>
- **Senior Researcher** at the *Institute of Environmental Engineering, Chemistry and Applied Biotechnology* (INGEBIO-UCA). Fac. of Chemistry and Engineering, Pontifical Catholic University of Argentina (UCA-campus Rosario) [https://www.conicet.gov.ar/new\\_scp/detalle.php?id=31001&datos\\_academicos=yes](https://www.conicet.gov.ar/new_scp/detalle.php?id=31001&datos_academicos=yes)  
[https://www.researchgate.net/profile/Leonardo\\_Perez4](https://www.researchgate.net/profile/Leonardo_Perez4)
- **Associate Professor** at the Fac. of Chemistry and Engineering, Pontifical Catholic University of Argentina (UCA-campus Rosario), Argentina.
- **Assistant Professor** at the Analytical Chemistry Department, Fac. of Biochemical and Pharmacological Sciences, National University of Rosario (UNR), Argentina.

Teaching activities: *Industrial Microbiology, Analytical Chemistry, Inorganic Chemistry, Environmental Chemistry.*

## Research interests:

- Development of nature-based solutions for the sustainable management of organic residues and water supplies.
  - Biotechnological and eco-technological approaches for agro-industrial wastewater treatment.
  - Control and prevention of microbial pathogens dissemination.
  - Development of innovative bio-based materials for multiple biotechnological applications.
- + **R&D to the private sector** (Technical advisement performed to SNA-E, SOLAMB S.R.L., Alimentos TAHONA S.R.L., Terminal 6 S.A., Pampa Energía S.A., YPF, Imperial Motors S.A.)
- + **Professional experience in planning and coordination of projects.**
- + **Co-working and cooperation in international networks:** RECNET: <https://es.unescosost.org/post/recnet>; RIARTAS: <https://es.unescosost.org/post/copia-de-red-riartas>; NATURA: <https://natura-net.org/>).

## EDUCATIONAL RECORD

**Postdoc Fellow.** Rosario Chemistry Institute (QUIR-CONICET, Rosario, Argentina). (2010-2012).

**Postdoc Fellow.** Lab. of Sanitary and Environmental Microbiology (MSMLab, UPC, Spain). (2008-2010).

**PhD in Biological Sciences.** National University of Rosario, Argentina. (2007). **PGPA: 9.80**

**BSc. Biotechnology.** National University of Rosario, Argentina. (2003). **GPA: 9.00**

## RESEARCH

### CV SUMMARY

Dr. Pérez is a biotechnologist highly experienced in Environmental Biotechnology, Environmental Engineering, Microbiology and Analytical Chemistry. During the obtention of his Biotechnology Master Grade at the *National University of Rosario* (2003, Argentina) he was trained in traditional microbiology techniques and molecular biology methods (*e.g.*, Southern blot, Western blot, agarose and polyacrylamide gel electrophoresis, PCR, RT-*q*PCR, etc.). Later in 2007, he completed his PhD at the *Institute of Experimental Physiology* (IFISE-CONICET) with two fellowships from the Argentine government (ANPCyT and CONICET). During this period (2004-2007) Dr. Pérez completed his training in eukaryotic cells culture techniques, and in the application of several enzymology, biochemistry and general cellular biology techniques. Afterwards, he worked as postdoc fellow at the *Laboratory of Sanitary and Environmental Microbiology* (2008-2010) at the *Universitat Politècnica de Catalunya* (UPC-campus Terrassa, Barcelona, Spain). **During this period, he specialized in the evaluation of constructed wetlands to remove microbial and chemical pollutants from urban and industrial wastewaters, and in the characterization of the wetland microbiota involved in the bioremediation/elimination of pollutants, organic matter, and nutrients.** Afterwards, he returned to Argentina as postdoc fellow (2010-2012) of the *National Scientific and Technical Research Council of Argentina* (CONICET), and later as *Research Associate* (2012-2017) at the *Rosario Chemistry Institute* (IQUIR-CONICET). During this period, Dr. Pérez focused his work in the Food Technology area, working on the **development of sustainable biomaterials (edible films and coatings) using agro-industrial by-products as raw materials** with the incorporation of bioactive compounds (antimicrobial and antioxidant agents) aimed to control food-borne pathogen infection/dissemination during food storage and packaging, **as well as in several other projects related with agro-industrial waste and/or by-products valorization** (*e.g.*, proteins from whey, lipids from apiculture, low-value carbohydrates from algae, and biodiesel, soy proteins and soy fibers from soy farming) **from a circular bioeconomy view**. Regarding this, he also supervised a R&D project to produce fortified bakery products for a Food company (Murke™, Alimentos Tahona S.R.L.) aimed to support child nutrition at schools. In 2015, he joined as *Assistant Professor* at the Pontifical Catholic University of Argentina (UCA-Rosario), being the co-founder/co-leader of the *Lab. of Environmental Biotechnology and Sustainable Biomaterials* (Bio&TecMA, UCA-CONICET). Later, he was promoted to *Associate Professor* at the same university (UCA-Rosario) and, more recently (2019), appointed as member of the *Institute of Environmental Engineering, Chemistry and Applied Biotechnology* (INGEBIO-UCA). Additionally, Dr. Pérez is currently the coordinator of the UNESCOSOST-Argentina office set up at UCA-Rosario (<https://es.unescosost.org/copia-de-unescosost-1>) and director of the *Laboratory of Environmental and Sanitary Microbiology* (MSMLab-UPC, Terrassa, Barcelona, Spain). To date, Dr. Pérez has been involved in several national and international projects (>30) leading to a significant number of scientific publications (>50) (including peer reviewed articles, technical reports and scholarly communications) on Environmental Sciences, Biotechnology, Microbiology, and Food Technology, among other disciplines. He is also interested in communicating Science; hence he has been involved in educational programs at elementary and high school, and participated as a speaker in *Workshops for Science Education and Promotion*. Besides, Dr. Pérez has been involved in the supervision of six (6) theses in his expertise areas (2 ongoing) -among other undergraduate theses (5)- as well as acting as supervisor of young researcher, doctoral and postdoctoral students from Argentina, Brazil, Colombia, Cuba, Costa Rica, Chile, Perú, Spain, Irán and Ukraine.

### General Quality indicators of scientific production

Total number of publications	54
Total number of <b>Scopus indexed publications</b>	36
Total cites (mean cites last 3 years)	828 (95.6)
<i>h</i> -index	18
Number of supervised theses (TFG, Master, PhD)	11 (2 ongoing)

## Directing Theses:

1. Ing. Amb. Camila Olivera. *Doctoral fellowship* CONICET. Title: **Evaluation of using residual biological sludge from industrial origins for the bioremediation of organic pollutants: hydrocarbons and pesticides.** Co-Director: Dr. Leonardo Martín Pérez. (2019-2024).
2. Lic. Biol. Iván Carralero Bon. *Doctoral fellowship* CONICET. Title: **Characterization of the metabolic and physiological responses in plants and microalgae against the toxicological impact induced by heavy metals and persistent contaminants.** Director: Dr. Leonardo Martín Pérez. (2019-2024).
3. Ing. Amb. Wendi G. Llatance Oyarce. PRONABEC Fellowship. *Master's in Environmental Engineering and Sustainability* thesis (UCA, Argentina). Title: **Characterization of the physiological response of *Salvinia* sp. to heavy metals exposure: impacts in plants phytoremediation performance.** Director: Dr. Leonardo Martín Pérez. (2018-2020).  
<https://renati.sunedu.gob.pe/bitstream/sunedu/3027838/1/LlatanceOyarceWG.pdf>
4. Lic. Kristel Castillo. *Master's in Environmental Engineering and Sustainability* thesis (UCA, Argentina). Title: **Heavy metals phytoremediation using *Salvinia* sp. in aquatic systems: evaluation of the intensity and frequency of pollutant load on plant physiology.** Director: Dr. Leonardo Martín Pérez. (2017-2018).  
<https://catalogosiidca.csuca.org/Record/UCR.000586589>
5. Ing. Wilfredo Tello Zevallos. PRONABEC Fellowship *Master's in Environmental Engineering and Sustainability* thesis (UCA, Argentina). Title: **Evaluation of the mechanisms involved in lead (Pb) phytoremediation by *Salvinia biloba* Raddi.** Director: Dr. Leonardo Martín Pérez. (2015-2016).
6. Bioq. Ana Bessone. *Food Technology Specialist* thesis (UNR, Argentina). Title: **Antimicrobial properties of whey protein concentrate edible films incorporated with food preservatives.** Director: Dr. Leonardo Martín Pérez. (2012-2015).

## Other Professionals/Students Supervision

### • Undergraduate theses (total: 5)

Title: *Organic fraction composting of municipal solid waste from landfills: a preliminary evaluation of its performance at a real scale.* Author: Daiana Petrocco. **BSc. Environmental Sci.** (UCA, Argentina) (2022).

Title: *Liquid whey treatment coupled to biomass production: lab-scale feasibility analysis of cyanobacteriae cultivation for biotechnology purposes.* Authors: Delfina Chenevier, Danisa Leone & Sofía Fideleff. **Environmental Eng.** (UCA, Argentina) (2021).

Title: *Biodegradation of hydrocarbons and emerging contaminants by using an industrial residual sludge.* Author: Natacha A. Baffo. **BSc. Biotechnology** (UNR, Argentina). (2017-2020).

Title: *Analysis of the water footprint as an environmental indicator for the biodiesel manufacturing process.* Author: Flavia Piccoli. **BSc. Environmental Sci.** (UCA, Argentina) (2016-2017).

Title: *Characterization of whey protein-based antimicrobial edible films incorporated with organic salts to control food-borne diseases.* Author: Mauricio G. David. **Bsc. in Biotechnology.** (UNR, Argentina) (2012-2015).

### • Posdoc fellows:

✓ Dra. Julia Emiliani. (UCA fellowship, Argentina). Project: *Phytoremediation of toxic metals and emerging pollutants in aquatic systems using free-floating autochthonous macrophytes.* (2018-2020).

✓ Dra. Dana Loureiro. (CONICET fellowship, Argentina). Project: *Characterization of biological sludge for their use in the treatment and recovery of hydrocarbons-polluted waters.* (2017-2019).

✓ Dra. Lilian Rodrigues Braga. (Universidade de Brasilia, Brasil). Project: *Characterization of physico-chemical and antimicrobial properties of PVC films formulated with quercetin and silver nanoparticles.* (2017).

✓ Dra. María Gabriela Paraje. (Fundación Calorina, España). Project: *Optimization of a real-time PCR technique for the microbial quality evaluation of bathing water.* (February-March 2008).

✓ Dra. Olesia Havryliuk (Zabolotny Institute of Microbiology and Virology, National Academy of Sciences of Ukraine). Project: *Real-time PCR analysis of copper resistant genes expression in copper-resistant Pseudomonas lactis strain UKR1*. (January-March 2023).

• **Technicians:**

✓ Lic. Alberto Rouzaut (UCA *fellowship*, Argentina). *Implementation of chromatographic techniques for the analysis of contaminants in environmental and food matrices*. (2018-2021).

✓ Lic. Daniela Bergara (UCA *fellowship*, Argentina). *Development and optimization of analytical techniques applied to phytoremediation studies of organic and inorganic pollutants in environmental samples*. (2017-2019).

• **PhD students (short stays):**

✓ Lic. Valeria Bordagaray (Universidad Nacional de Entre Ríos, Argentina). *Characterization of antimicrobial edible films based on chitosan with inhibitory activity against pathogenic microorganisms*. (May 2012).

Short-term research at the **Laboratory of Sanitary and Environmental Microbiology** (MSM-Lab, UPC, Spain):

✓ Biol. Paulina Aguayo (Universidad de Concepción, Chile). *Determination of emerging pathogens in environmental samples by real-time PCR*. (November 2007- March 2008).

✓ Ing. Blady López Álvarez (Universidad de Antioquia, Colombia). *Characterization of bio-reactions involved on organic matter degradation at constructed wetlands*. (November 2007- March 2008).

**PUBLICATIONS** (*last 5 years*)

1. Loureiro DB, Lario LD, Herrero MS, Salvatierra LM, Novo LAB, **Pérez LM**. (2022). Potential of *Salvinia biloba* for removing atrazine and carbendazim from aquatic polluted environments. *Environ. Sci. Pollut. Res.* 30, 22089–22099
2. Bermeo González LY, Ivanova K, **Pérez LM**, Forés E, Pérez-Rafael S, Casas-Zapata JC, Morató J, Tzanov T. Sono-enzymatically embedded antibacterial silver-lignin nanoparticles on cork filter material for water disinfection. *Int. J. Mol. Sci.* 23(19), 11679
3. Aguilar Pérez L, **Pérez LM**, Gallegos A, Forés E, Arias CA, Bosch C, Verdum M, Jové P, de Pablo J, Morató J. (2022). Effect of aeration on nitrogen removal-associated microbial community in an innovative vertical cork-based constructed wetland for winery wastewater treatment. *Ecol. Eng.* 185, 106781.
4. Elshafey N, Selim S, Mohammed AH, Hagagy N, Mostafa EM, Safhi FA, Alshamrani SM, Saddiq A, Chandran D, Aseel DG, Al-Sanea MM, Elkelish A, **Pérez LM**. (2022). Mapping archaeal diversity in soda lakes by coupling 16S rRNA PCR-DGGE analysis with remote sensing and GIS technology. *Fermentation*, 8(8): 365.
5. Olivera C, Tondo ML, Girardi V, Fattobene L, Herrero MS, **Pérez LM**, Salvatierra LM. (2022). Early-stage response in anaerobic bioreactors due to high sulfate loads: Hydrogen sulfide yield and other organic volatile sulfur compounds as a sign of microbial community modifications. *Biores Technol.* 350: 126947.
6. Emiliani J, Oyarce WGL, Salvatierra LM, Novo LAB, **Pérez LM**. (2021). Evaluation of cadmium bioaccumulation-related physiological effects in *Salvinia biloba*: An insight towards its use as pollutant bioindicator in water reservoirs. *Plants*, 10(12), 2679.
7. Aguilar Pérez L, Gallegos A, **Pérez LM**, Arias CA, Rubio R, Haulani L, García Raurich J, Pallarés M, de Pablo J, Morató J. (2021). Effect of intermittent induced aeration on nitrogen removal and denitrifying-bacterial community structure in cork and gravel vertical flow pilot-scale treatment wetlands. *J Env Sci Health (Part A)*, 56(10):1121-1130.
8. **Pérez LM**. (2021). Prospects of plant-based systems as an eco-technological approach for heavy metals removal from polluted-waters. *Oceanogr Fish Open Access J.*, 13(3): 555863.
9. **Pérez LM**. (2021). Constructed wetlands for marine aquaculture wastewater treatment: A new challenge. *Int. J. Oceanogr. Aquac.*, 5(1): 000202.

10. Carralero Bon I, Salvatierra LM, Lario LD, Morató J, **Pérez LM**. (2021). Prospects in Cadmium-contaminated water management using free-living cyanobacteria (*Oscillatoria* sp.). *Water*. 13(4): 542.
11. Emiliani J, Llatance Oyarce WG, Bergara CD, Salvatierra LM, Novo LAB, **Pérez LM**. (2020). Variations in the phytoremediation efficiency of metal-polluted water with *Salvinia biloba*: prospects and toxicological impacts. *Water*. 12(6): 1737.
12. Loureiro DB, Olivera C, Tondo ML, Herrero MS, Salvatierra LM, **Pérez LM**. (2020). Microbial characterization of a facultative residual sludge obtained from a biogas plant with ability to degrade commercial B10 diesel oil. *Ecol Eng*. 144: 105710.
13. García A, **Pérez LM**, Piccirilli GN, Verdini RA. (2020). Evaluation of antioxidant, antibacterial and physicochemical properties of whey protein-based edible films incorporated with different soy sauces. *LWT - Food Sci Tech*. 117: 108587.
14. Castillo Loría K, Emiliani J, Herrero MS, Bergara CD, Salvatierra LM, **Pérez LM**. (2019). Effect of daily exposure to Pb-contaminated water on *Salvinia biloba* physiology and phytoremediation performance. *Aquatic Toxicol*. 210: 158-166.
15. Braga LR, **Pérez LM**, Soazo M, Machado F. (2019). Evaluation of the antimicrobial, antioxidant and physicochemical properties of Poly(Vinyl chloride) films containing quercetin and silver nanoparticles. *LWT- Food Sci. Tech*. 101: 491-498.
16. Piccirilli GN, Soazo M, **Pérez LM**, Delorenzi N, Verdini RA. (2019). Effect of storage conditions on the physicochemical characteristics of edible films based on whey protein concentrate and liquid smoke. *Food Hydrocol*. 87: 221-228.
17. **Pérez LM**. (2019). Biodegradability of antimicrobial edible films and coatings: what's the real thing?. *Nutri. Food Sci. Int. J*. 8 (5): 555748.
18. Tello Zevallos W, Salvatierra LM, Loureiro DB, Morató J, **Pérez LM**. (2018). Evaluation of the autochthonous free-floating macrophyte *Salvinia biloba* Raddi for use in the phytoremediation of water contaminated with lead. *Desal. & Water Treat*. 103: 282-289.
19. Adrados B, Arias CA, **Pérez LM**, Codony F, Bécares E, Brix H, Morató J. (2018). Comparison of removal efficiency of pathogenic microbes in four types of wastewater treatment systems in Denmark. *Ecol Eng*. 124: 1-6.

### Scientific communications (Congress Proceedings): 61

#### Research Projects & Grants (as *PI* or *Technical Coordinator*)

1. Ensure fair NEXUS transition for climate change adaptation and sustainable development implementation based on coupled nature-based systems and bioeconomy (2022-2024). PI: Dr. Jordi Morató. Budget: € 4.329.050. **Technical Coordinator-UPC // Lab leader.**
2. Green and nature-based solutions for climate change-resilient waste infrastructures (LIFE20 CCA/ES/001795). (2021-2024). PI: Dr. Jordi Morató. Budget: € 3.038.828. **Technical Coordinator UPC // Lab leader.**
3. Evaluation and optimization of the performance of industrial biologic sludges for hydrocarbon removal in treatment systems: bioprospecting and microbial community analysis. **PIP-CONICET 2021-2023**. PI: **Dr. Leonardo Martín Pérez**. Budget: \$1.825.000.
4. Development of a bacterial consortium for commercial purposes for its use as an adjuvant in hydrocarbon removal protocols. Agencia Santafesina de Ciencia, Tecnología e Innovación (ASaCTeI) Línea: “**Investigación Aplicada en PyMEs**” IA-2019-0007. (2020-2021). PI: **Dr. Leonardo Martín Pérez**. Budget: \$490.000
5. Characterization of atrazine and carbendazim bioremediation kinetics by different biological systems. Agencia Nacional de Promoción Científica y Tecnológica (ANPCyT)-UCA Res. N° 094/18 PICTO-2017-0060. (2019-2021). PI: **Dr. Leonardo Martín Pérez**. Budget: \$300.000
6. Construction of a prototype of *in situ* treatment system for hydrocarbon-polluted water bioremediation by combining phytoremediation and microbial bioaugmentation techniques. Agencia Santafesina de Ciencia, Tecnología e Innovación (ASaCTeI) Línea: “**Innovación Productiva en PyMEs**” IP-2018-0059. (2019-2020). PI: Ing. Esp. Stella Maris Andretich. Budget: \$2.597.000

7. Bioremediation of chemical pollutants using biological sludges of industrial origin: characterization and evaluation of their application in the recovery of hydrocarbons-polluted sites. Agencia Santafesina de Ciencia, Tecnología e Innovación (ASaCTeI) Línea: “**Investigación Aplicada en PyMEs**” IA-2017-0023. (2018-2019). PI: **Dr. Leonardo Martín Pérez**. Budget: \$150.000
8. Bioremediation of industrial wastewaters by using native plants species from Paraná wetlands. PROAPI-UCA-2016 (2016-2019). PI: **Dr. Leonardo Martín Pérez**. Budget: \$250.000
9. Improvement of biological sludge of industrial origin to the bioremediation of hydrocarbons-contaminated sites. **Secretaría de Vinculación Tecnológica y Desarrollo Productivo (SVTyDP)-UNR**. (2017-2018). PI: **Dr. Leonardo Martín Pérez**. Budget: \$135.000
10. Development of sweet biscuits fortified with calcium, protein and fiber. **Secretaría de Vinculación Tecnológica y Desarrollo Productivo (SVTyDP-UNR)** Res. N° 5358/2016 (2017-2018). PI: Dra. R.A. Verdini & **Dr. Leonardo Martín Pérez**. Budget: \$110.000
11. Elaboration of fortified biscuits supplemented with calcium and soy proteins for commercial purposes. **Secretaría de Estado de Ciencia, Tecnología e Innovación de la Provincia de Santa Fe (SECTeI)** 2060-004-14 Res. N° 108/15 (2015-2017). PI: **Dr. Leonardo Martín Pérez**. Budget: \$40.000
12. Optimization of edible film formulations made from whey protein concentrate and functional additives for application as alternative packaging in the food industry. UNR PID 2013 (2014-2017). PI: **Dr. Leonardo Martín Pérez**. Budget: \$16.970
13. Development of edible films, feasible to be subjected to freezing and cooking, for their application in the preparation of alternative foods. PIP-CONICET (112 201201 00019 CO) 2014-2017) PI: **Dr. Leonardo Martín Pérez**. Budget: \$105.000.
14. Advances in sustainable plastic materials based on biodegradable natural polymers (“bioplastics”). SECTeI 1010-009-14 Res.N° 108/15 (2015-2016). PI: **Dr. Leonardo Martín Pérez**. Budget: \$50.000
15. Development of edible films formulated with whey protein concentrate for application in the food industry. SECTeI 2010-128-13 Res. N°. 121/2013. (2014-2015). PI: **Dr. Leonardo Martín Pérez**. Budget: \$40.000

#### **Invited speaker** (*most relevant*)

- IRTA-CReSA (Bellatera, Spain). “*MSMLab-UPC: An Open Lab for an Open Science*”. (Jun 29, 2022).
- *Pint of Science*. “*Rocker plants who love heavy metal*”. (May 17-19, 2021). <https://www.youtube.com/watch?v=f6aWNgP013E>
- *International Workshop in Environmental Engineering*. Faculty of Natural Resources, Universidad Agraria de la Selva, Tingo María (Huánuco), Perú. (October 29-30, 2020).
- *VI Latin American Workshop in Sustainable Development*. “Activities of the UNESCO Chair in Sustainability-UPC. The challenges of the UNESCOSOST offices”. Fac. of Biochemical and Pharmacological Sciences, National University of Rosario. Argentina. (Sep-7, 2017).
- *International Food & Nutrition Forum* (FIAR 2017). “Science, Government and Business: how to get and R&D department for your enterprise?”. Metropolitan Center. Rosario (Santa Fe), Argentina. (25-Apr-2017).
- *TEDx-CONICET* Performer: “*Exploring the unknowing*” Rosario Technological Scientific Center-CCT. (19-Dec-2016). <https://www.youtube.com/watch?v=oAmRXnHXuK4>
- *Municipal Institute of Food*. “The impact of climate change on food production”. Rosario (Santa Fe), Argentina. (13-Aug-2015).
- *Institute of Agricultural Microbiology and Zoology*. “Constructed wetlands: perspectives for its application to the treatment of industrial wastewater in Argentina”. IMYZA-INTA Castelar (Buenos Aires), Argentina. (20-Nov-2008).

#### **EVALUATION ACTIVITIES**

##### **Editorial Board Member:**

*Journal of Sustainable Development* (ISSN 1913-9063 Print // 1913-9071 Online)

<http://www.ccsenet.org/journal/index.php/jsd/editor>

*Probe - Food Science Research* (e-ISSN: 2661-3956)

<http://probe.usp-pl.com/index.php/FSR/about/editorialTeam>

*Journal of Environmental & Life Sciences* (<https://www.jelsciences.com>)

<https://www.jelsciences.com/editor-biography.php?id=916&eName=Leonardo-Mart%C3%ADn-P%C3%A9rez>

*Journal of Agriculture and Crops* (Online ISSN: 2412-6381 // Print ISSN: 2413-886X)

Academic Research Publishing Group - ARPG ([argweb.com](http://argweb.com))

#### **Reviewer:**

Microbial. Ecol., Int. Food. Res. J., Current. Nutr. Food Sci., Env. Sci. Pollut. Res., Int. J. Phytorem., Desal. Water Treat., J. Food. Res, J. Agric. Sci., J. Sustain. Dev., Can. J. Microbiol., Rev. Env. Sci. Technol., Water Sci. Technol., J Hazar. Mat.; Ecol. Eng.; Sci. Total Environ., Sustainability, Horticulturae, Toxics, Plos One, Env. Geochem. Health..

#### **AWARDS**

*(Individual and as part of Working Teams)*

**Academic merit.** Lic. Biotechnology, promotion 2002. Faculty of Biochemical and Pharmacological Sciences. National University of Rosario, Argentina (Santa Fe, Argentina, 2003).

**Hans Popper Prize.** 12th Biennial Scientific Meeting of the International Association for the Study of the Liver (IASL) (Salvador, Brazil, 2004).

**Leading Scientist of the World 2006.** International Biographical Centre (IBC). (Cambridge, UK, 2006).

**TOYP 2007–The Outstanding Young Person - Junior Chamber International (JCI).** (Santa Fe, Argentina, 2007).

**Best technological Project –** ATB Environmental Technologies S.L. (Medellin, Colombia, 2008).

**Best work.** 4<sup>th</sup> *Argentinian Symposium of Biotechnological Processes.* (Buenos Aires, Argentina, 2016).

**Recommended article.** 1<sup>st</sup> *International Congress on Water and Sustainability* (Barcelona, Spain, 2017).

**Best work.** 5<sup>th</sup> *National Congress on Biodiversity Conservation.* (Río Negro, Argentina, 2017).

**“Diploma of Honors” Municipal Council of Rosario** (Decree No. 52,835; Exp. No. 243.304-P-2018 CM) for its studies on native resources for applied to the sustainable treatment of contaminated sites. (Rosario, Santa Fe, Argentina, 2018)

**Selected Work.** 7<sup>th</sup> *Congress of Environmental Sciences-COPIME* 2019. (Buenos Aires, Argentina, 2019).

**Best poster.** II *International Congress on Water and Sustainability.* (Terrassa, Barcelona, Spain, 2021).