

Home Address: Calle Gangotena #554 y Atacazo
Sangolqui, Pichincha Province -ECUADOR

Telephone: (+593) 983364679 (+593) 22330699

E-mail: dcmogrovejo@yahoo.com / carito191286@gmail.com

LinkedIn: <https://ec.linkedin.com/in/diana-carolina-mogrovejo-83183351/en>

EDUCATION

May 2014 **University of Georgia, Athens, Georgia, United States.**
MBB - Science Master's in Biomanufacturing and Bioprocessing

Nov. 2010 **Escuela Politécnica del Ejército, Sangolqui, Ecuador.**
Bachelor of Science, Major Biotechnology

RESEARCH PROJECT EXPERIENCES

May, 2013- **Swissaustral USA, United States**
May, 2014 Laboratory experiments related to enzyme-producing microbial strains (enzyme isolation, purification quantification, microbial cultures, DNA extraction, PAGE, among others).

Sep. 2009- **International Potato Center & Escuela Politécnica del Ejército, Ecuador**
Nov. 2010 Research project that involved isolation and selection of bacterial strains which showed potential suppression against pathogen *Phytophthora infestans* (Field work and soil sampling, bacterial communities' isolation, DNA extraction and purification, PCR, electrophoresis, microbial culture, media preparation, suppressive assays, enzymatic digestion, phylogeny analysis and genetic similarity).

Mar.2009- **Laboratory of plant biotechnology. Escuela Politécnica del Ejército,**
Jun. 2009 **Ecuador.**
Internship. Sampling of *Jatropha curcas* leaves for research project on population genetics. DNA extraction of samples in the laboratory with standardized protocols. PCR and electrophoresis of the DNA samples.

Aug.2008- **Laboratory of Physical and Chemical Analysis of Water and Soils and**
Sep. 2008 **Atomic Absorption Spectroscopy. Comisión Ecuatoriana de Energía Atómica, Ecuador.**
Internship. Collecting water and soil samples for analysis of primary physicochemical parameters. Air-acetylene atomic absorption spectroscopy of soil samples contaminated with fossil fuels.

Feb. 2008- **Biomedicine Center, Universidad Central, Ecuador.**
Mar. 2008 Internship. Handling of blood samples for the project entitled "Coenzyme Q10 in the intellectual development of children born at the maternity Isidro Ayora in Quito." Sample handling in gas chromatograph.

Aug. 2007- **Department of Microbiology of the Instituto Nacional de Higiene y**
Sep. 2007 **Medicina Tropical “Leopoldo Izquieta Perez”, Ecuador.**

Internship. Preparation and sterilization of culture media, sampling and isolation of bacteria, susceptibility tests and antibiograms. Short period research project on the biochemistry of *Listeria monocytogenes*.

PUBLICATIONS

Mogrovejo C. 2010. Suppression of *Phytophthora infestans* (Mont.) de Bary infection by microbial populations isolated from Chimborazo potato production soils at two sampling times (Undergraduate Dissertation Thesis)

Mogrovejo C, Orquera G , Villamarín D, Garzón CD, Molineros J, Forbes G, Koch A, Benítez MS. 2010. Suppressiveness to *Phytophthora infestans* tuber infection by soils from four potato production regions in Ecuador. 1st International Congress of Native Potato Production. Quito, Ecuador.

Orquera G, **Mogrovejo C,** Villamarín D, Jarrín F, Garzón CD, Molineros, J, Forbes GA, Koch A, Benítez MS. 2011. Characterization of microbial populations from *P. infestans* suppressive Andean soils in Ecuador. *Phytopathology* 101:S133.

Villamarín D, Orquera G, **Mogrovejo C,** Garzón CD, Molineros, J, Forbes GA, Koch A, Benítez MS. 2011. Suppressiveness to *Phytophthora infestans* infection in potato tubers by Andean soils from three provinces of Ecuador. *Phytopathology* 101:S183.

Garzón CD, Orquera G, **Mogrovejo C,** Villamarín D, Díaz C, Molineros J, Ponce LK, Oliva R, Forbes G, Koch A, and Benítez MS. 2012. Characterization of factors associated to potato tuber blight suppression in Ecuadorian soils. 3rd International Workshop on Soilborne Potato Diseases. Hohhot, Inner Mongolia, China.

WORK EXPERIENCE

Sept. 2014- **YACHAY Public Company, Quito, Ecuador**

Present Research and Tech Transfer Analyst. Part of a team committed to the construction and development of Yachay City of Knowledge, a new city that integrates scientific, academic and economic activity in Ecuador. The company manages projects that constitute a local and regional reference for education, technology, science and community development.

May, 2013- **Swissaustral USA, LLC**

May, 2014 Intern and assistant at a biotechnology company that works with extreme microorganisms and bio compounds obtained from them. Responsible for laboratory experiments related to enzyme-producing microbial strains. Responsible for building the customer database for the American offices of the company, headquartered in Chile.

Jun. 2011- **Corral Rosales Abogados, Quito, Ecuador.**

Jun. 2012 Patent assistant and technical advisor in biotechnology-related matters for patentability examinations in the Patent Department of prestigious Ecuadorian law firm.

AWARDS AND RECOGNITIONS

- Aug. 2012- **Secretaría Nacional de Educación Superior, Ciencia y Tecnología,**
May. 2014 **Quito, Ecuador**
Recipient of one of the Scholarships for Graduate Studies in Foreign Countries.
Named one of the best fifteen (15) national scores during the selection process.
- Feb, 2012- **University of Georgia, Athens, Georgia, United States.**
May. 2014 Recipient of the Orbe Martin Grant for Graduate Studies.
- Aug. 2011- **Fulbright Commission of Ecuador and U.S. Department of State, Ecuador &**
May, 2014 **United States**
Recipient of the Fulbright Award for the Fulbright Foreign Student Program in the
United States of America.

SKILLS

- a. Technical Proficiencies
1. Handling of equipment of biotechnology and molecular biology laboratories
 2. Software for genetic analyses
 3. Software R and SPSS 17.0 for statistical analyses
- b. Non-Technical Skills
1. Languages
 - a. Spanish (mother language)
 - b. English (professional)

PROFESSIONAL DEVELOPMENT

- Jun. 2016 **Quito, Ecuador**
Bureau Veritas QHSE Regulations- (ISO 9K, 14K, OHSAS 18K)
3-day Internal Auditor Course
- Oct. 2015 **Quito, Ecuador**
Participant of the First International Symposium on Integrated Pest Management (IPM) in *Solanaceae*. Conducted by the National Institute of Agricultural Research (INIAP).
- May 2015 **Quito, Ecuador**
Bureau Veritas QHSE Regulations- (ISO 9K, 14K, OHSAS 18K)
24h Certification Course
- Mar. 2015 **Quito, Ecuador**
ISTIC-UNESCO
Training workshop on technopreneurship for Latin America countries (Named the Workshop's best entrepreneur's project)
- Abr. 2014 **Washington DC, United States**
Attendant to the TEDx Fulbright: Dare to Think conference for Fulbrighters in the US

- Apr. 2014 **Notre Dame, Indiana, United States**
Attendant and participant of the “Fulbright Leadership and Re-Entry Seminar for Fulbright Women from Western Hemisphere” hosted by the U.S. Department of State and St. Mary’s College in Notre Dame, IN.
- Feb. 2013 **Phoenix, Arizona, United States**
Attendant and participant in the “Fulbright Enrichment Seminar: Global Challenges, Local Solutions – Climate Change and Environmental Sustainability”, hosted by the U.S. Department of State and the Institute of International Education (IIE).
- Oct, 2012 **Athens, Georgia, United States.**
Attendant to the 98th Annual Meeting of the American Society for Microbiology.
- Oct, 2012 **Atlanta, Georgia, United States**
Attendant to the 2012 Georgia Life Sciences Summit – Innovation for Global Health.
- Mar. 2010 **Pontificia Universidad Católica del Ecuador, Quito, Ecuador.**
Attendant and publication in the Proceedings of the First International Congress on Research and Development of Native Potatoes. Speaker with poster entitled “Evaluación de la capacidad supresora de suelos de cuatro provincias del Ecuador sobre la infección de *Phytophthora infestans* en tubérculos” (“Evaluation of suppressive capacity of soils in four provinces of Ecuador on the infection of *Phytophthora infestans* on tubers”) by Mogrovejo, C., Orquera, G., Villamarín, D., Garzón, Molineros J., C.D., Forbes, G., Koch, A., Benítez, M.S.
- Feb. 2009 **Laboratory of Electron Microscopy of the Instituto Nacional de Higiene y Medicina Tropical “Leopoldo Izquieta Pérez”, Guayaquil, Ecuador.**
Elementary Practice of Electron Microscopy with processing of tissue samples and observation in Transmission and Scanning Microscopes.
- July 2007 **Pontificia Universidad Católica del Ecuador, Quito, Ecuador.**
Attendant to the First National Congress of Human Genetics.