



ANA GABRIELA DEL HIERRO CALVACHI

RESEARCH & SCIENCE COMMUNICATION

CONTACT

(593) 969057 491

anagdelhierro@gmail.com



adelhierrocalvachi

Quito, Ecuador

PROFILE

Passionate about finding ways to preserve the environment, but also helping to enhance the social inequities in developing countries. Focused on insect biotechnology as a tool to find strategies for human welfare and nutrition.

ACHIEVEMENTS

Champion. of Science. Story-teller in Latam. UNESCO. Johnsons&Johnson. Uruguay. 2019.

Innovation Talent. Unleash Lab. Sustainable Production SDG 12. Shenzhen. China. 2019

Top Biotech leader. Global Biosumitt. MIT Innovation Lab. Cambridge. USA. 2019

Ecuadorian Ambassador. Latin American Summit of Biotechnology. Guanajuato. México 2018

Top 100 Latin American Biotechnology leaders. Allbiotech. Santiago de Chile, October, 2017

• Excellence Universities Award for Master Studies. Ecuadorian Government. National Research Secretary of Ecuador. SENESCYT, 2014.

EDUCATION

The University of Melbourne, Australia 2016

Master of Environment. Major: Waste Management

University of the Armed Forces, Ecuador 2013

Bachelor of Science. Biotechnology Engineer

PROFESSIONAL EXPERIENCE

NATIONAL INSTITUTE OF BIODIVERSITY- INABIO

Innovation Analyst & Researcher, March 2018-present

- Direct the project "Bioconversion of organic solid waste and plastic through invertebrates to degrade waste into value-added products", which was selected from 500 projects as one of the novels and most promising ideas in Ecuador.
- Coordinate and create the first Germoplast bank in Ecuador to improve the genetic resources management and promote research and technology development (R&T) in biotechnology for biodiversity conservation

"CATALISIS" ONLINE MAGAZINE

General Editor, June 2018-present

Coordinate the information for every edition of Catalysis Magazine for the dissemination of scientific articles that allow visualizing the work of biosciences. Searching for collaborations, which are the key for catalysis to continue expanding.

MINISTRY OF AGRICULTURE AND LIVESTOCK

Bioproduct Specialist, March-June 2017

- Coordinate and articulate the Construction of the National System of Bioproducts. Promote best practices to achieve sustainable agricultural production and the conservation of natural resources
- Team leader for the Implementation of a management model of the National System promoting research methodologies and scientific-technological standards.

Forest Technical Engineer. November 2016- March 2017

- Enforce forest environmental regulations and motivate sustainable environmental practices at a national level. Elaborate the annual sustainable environmental management plan for the commercialization of legal forest species at the national level

RESEARCH

Solid Waste management in Ecuador: current practices and future challenges of anaerobic bioconversion of organic waste for agricultural purposes. Faculty of Science. University of Melbourne, 2016

Hierro AD, Guerra S, Padilla F, Arroyo CR, Soria N, et al. (2016) Assessing the Morphological Variations on the Pollen Grains of Solanum Betaceum caused by Chemical, Biological and Ecological Pesticides. Biol Med

LANGUAGE

ENGLISH

English Bilingual fluency and proficiency. TOEFL Fullbright Commision certificate

PORTUGUES

CELPE-BRAS Bilingual proficiency

REFERENCES

Francisco Prieto
Deputy Director
National Institute of Biodiversity
francisco.prieto@biodiversidad.gob.ec

Dr. Violeta Shubert
Profesor Development Studies Program
The University of Melbourne
violetas@unimelb.edu.au

Dr. Alexis Debut
Nanoscience researcher
University of the Armed Forces-ESPE
apdebut@espe.edu.ec
5932 3989-400 Ext: 2113

INTERN- UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION.
UNIDO. VIENNA. JANUARY-MARCH 2016

Intern Environment and Industry in Latinoamerica

- Technical support for the elaboration and analysis of value chains for the agroindustry, phytopharmaceutical, cosmetics, renewable energy, handcrafts, ecotourism in Suriname and El Salvador
- Developing an action plan for Green Industries in Suriname • Working paper on the valorization of organic solid waste and plastic waste to preserve the environment and foster industrial development in the Latin American and the Caribbean region

MINISTRY OF AGRICULTURE, LIVESTOCK, AND FISHERIES OF ECUADOR

Planning analyst, January-July 2014

- Developing recommendations to implement the first national plant of fertilizer producing bio-products to fulfill the Ecuadorian agriculture demand.
- Responsible for planning two agricultural sector projects related to biotechnology: The Bioproduction Plant and National Certified Seeds
- Environmental Impact Assessment Reports for the construction of the bioproducts plant.

ACOSTA MORALES & ASOCIADOS ENVIRONMENTAL SOLUTIONS

Environmental Junior Consultant. 2013-2014.

- Responsible for safeguarding water quality by setting targets and standards in response to Ecuadorian legislation for the construction of wastewater treatment plants for Industry
- Environmental Impact Assessment of Industrial Projects, biological Wastewater Treatment design

TRAINING

Management of databases in R programming. Private Technical University of Loja (UTPL), Ecuador, May.2019

Basics of Project Management. international Business Management Institute. Germany. August. 2018

Biodigesters design and Operation. CibioGas Brasil. August. 2017

Sustainable Agriculture Management. University of Florida. July, 2017

Waste Management and Legislation, Red Ecuatoriana de Consultores Ambientales Independientes- Consorcio Universitario Euroamericano. E-learning

Municipal Solid Waste Management in Developing Countries, Sandec/Eawag.

Project Thinking Tools. UNIDO. February. 2016

Municipal Solid Waste Management in Developing Countries. Junio, 2016

Environmental Management Systems ISO 14001. International Dynamic, Advisors S.L e- learning. 70 horas. Argentina., 2013