



Engineer, Master of Science, mention Natural Resources, Biotechnology Line, National University of Cajamarca, has followed studies in scientific research at CAEU-OEI, University of Oviedo-Spain. CONCYTEC associate researcher, with extensive experience in biotechnology plant taxonomy, biodiversity, environment, sustainable development, climate change and resilient ecosystems; She has 16 years of university teaching experience and has represented in 9 countries as Lecturer in Science Congress. Expert of the Education and Conservation Commission - CEC, World Commission on Natural Protected Areas - WCPA and in the Transboundary Conservation Group - TBPA, of the International Union for Conservation of Nature - IUCN. Global Forum Expert on Agricultural Research and innovation - GFAR; and Expert in Network of Climate Change Specialists in Latin America and the Caribbean. Inter-American Institute of Agricultural Sciences - IICA. Recognition by Women's Environment & Development Organizations as women force in defense of environment; currently, Vice President of the Peruvian chapter of the Organization for Women in Science for the Development World-OWSD, from where she continues to contribute to the science and technology of the country and Latin America.

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Professional Academic Formation

- Master in Sciences Natural Resources . Biotechnology Line, Postgraduate School National University of Cajamarca, 1997.
- Agronomy Engineer, National University of Piura, July 1987.
- Training in Scientific Research, CAEU - OEI, University of Oviedo, Spain, with AECID scholarship, June 2009 - December 2018.
- Postgraduate Course Biotechnology and its application in agricultural. Interamerican Institute of Agricultural Sciences, Costa Rica March - July 2016. Diciembre 2017.

Professional and teaching experience

- Professor in National University of Piura 1987-1993
- Professor in Alas Peruanas University 2010-2013
- Coordinator Project: National University of Tumbes sustainable and resilient. 2016-2018
- Research Professor National University of Tumbes - 1994 to the date

Research and publications

- Evaluation of papain contents, sex determination and methodology for *in vitro* propagation of three species of *Carica*. National University of Cajamarca. 2019. <http://repositorio.unc.edu.pe/handle/UNC/3370?show=full>
- In vitro induction of somatic embryogenesis in *Coffea arabica* var Caturra Rojo. National University of Cajamarca. 2016.
- Strategic priorities for the conservation and management of forest genetic resources -rgf in Peru. In Meeting of Forest Genetic Resources Experts - Santa Cruz Bolivia, October 13-17, 2017. AECID Spanish Training Center, Bioversity INIA Spain. <https://www.aacademica.org/bertha.cecilia.garcia.cienfuegos/2>
- Formulación de propuestas para el ordenamiento del territorio y gestión de los recursos naturales desde la dimensión de género en la Región Tumbes. http://infoandina.mtnforum.org/sites/default/files/publication/files/bertha_CIE_NFUEGOS.pdf
- Strategies of conservation and sustainable use of the biodiversity in Binational Basin Puyango - Tumbes, in IUCN World Park Congress, Sidney 2014, Australia. http://www.tbpa.net/newsletters/15_TBeNEWS-no10-FINAL.pdf <http://agrorednorte.org/assets/uploads/files/21694-review7.pdf>
- Potential impacts of climate change and its relation to extreme events ENSO on Binational Basin Puyango-Tumbes, in UNCCD 2nd Scientific Conference Economic assessment of desertification. 9-12 April 2013, Bonn, Germany. . http://conftool.grforum.net/unccd2013/index.php?page=browseSessions&print=head&form_session=116
- Proyectos productivos en comunidades indígenas para la conservación in situ y aprovechamiento de la agrobiodiversidad: El involucramiento de estudiantes hacia la multidisciplinaria. CIAT, CONACYT Mexico, 2012.

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- Estrategias Educativas para el conocimiento de la vulnerabilidad y adaptación a los efectos del cambio climático en Iberoamerica. Organización de los Estados Iberoamericanos - OEI.
http://api.ning.com/files/J*5203k8eMD3vyrxFx1uZtOxlu5T-ycZxTECIwmLyJd8BXzO-JYrQr-3hQqbRRwF0AAGumqXBhBOR5aCwyOMw*pA75BcTG*W/ManualIberoamericanoCambioClimticoCopy.pdf
- Dimensionamiento y capacidades científicas de la mujer peruana en la STEM.
https://conicyt.cl/gendersummit12/wp-content/uploads/2017/12/Bertha-Garcia_Poster.pdf
- Contributor in Regional Assesment on Ecosystem - based Disaster Reduction and Biodiversity in South America. IUCN, september 2016., 170 pag.
https://www.iucn.org/sites/dev/files/content/documents/regional_assessment_eco-drr_and_biodiversity_in_south_america_2016_0.pdf
- Estrategia de Manejo en el cambio climático: Parque Nacional Cerros de Amotape y Reserva Nacional de Tumbes, en IV REUNION DE AGRORED NORTE Investigación e Innovación en la conservación y valoración económica de áreas de Biodiversidad y adaptación al cambio climático Tumbes-Perú, 8 al 10 de diciembre 2011.
http://www.agrorednorte.org.pe/iv_reunion/P3-Garcia-Cerros%20Amotape-RN%20Tumbes-Peru-08-12-11.pdf
- How to design research projects scientific simple and competitive. Iberoamerican States Organizaton - OEI IBERCIENCIA. 2016
<https://www.oei.es/historico/divulgacioncientifica/?Como-disenar-proyectos-de-investigacion-cientifica-sencillos-y-competitivos>
- Potential impacts of climate change in *Oryza sativa*, in the Puyango - Tumbes Binational Basin. Research carried out within the framework of AGRORED NORTE. 2016.
<https://www.aacademica.org/bertha.cecilia.garcia.cienfuegos/5>
- Native cacao Project, Fino de Aroma, research with Thomas Evert, GIZ, Bioversity, 2018.

Experience with Science and Police for People and Nature -IPBES
Review of IPBES Global Assessment of biodiversity an ecosystem service
The review runs from 15 june - 15 august 2017

Tumbes - Perú, Región LAC enero 2020