

Organization



Support



21st TWAS-LACREP Young Scientists Conference

“Promoting Gender Equity in Science: The View of Young Scientists” Workshop

AUGUST 20-22, 2018 | RIO DE JANEIRO, Brazil



CARLA GONZALES ARIMBORGO (Universidad Peruana Cayetano Heredia)

Dr. Carla Gonzales is a professor in the Faculty of Sciences and Philosophy and a researcher at the Institute of Research of the height of the Universidad Peruana Cayetano Heredia in Lima. She is a Biologist and holds a Master degree in physiology (2007) and a Doctor degree in science with mention in Physiology (2013), both obtained at the Universidad Peruana Cayetano Heredia. Her field of research is oriented to the Endocrine Physiology and Reproduction, with emphasis on the use of medicinal plants. She is currently a member of the National Academy of Sciences of Peru, being the youngest academic. Dr. Gonzales is Member of the Latin American Program for the standardization of the seminal analysis (PLEAS), Member of the Board of the Latin American Association of Researchers in Human Reproduction (ALIRH), Research Associate of the Laboratory of Endocrinology and reproduction in the Research and Development Laboratories (LID) of the UPCH and Deputy Director of the Research Institute of the height. Its research activity is oriented to determine the biological effects of plants native to the Peru on endocrinometabolic and endocrine-reproductive functions, both in animals and humans. It is also widely recognized for her research on high-andean medicinal plants in particular in studies on biological properties of Maca (*Lepidium meyenii*). Among their findings is the demonstration of different biological properties between red and black Maca. It also points out by the discovery that maca reverses the prostate hyperplasia, reverts the osteoporosis and improves memory and learning. She is currently a researcher at the circle of research in plants with effects on health subsidized by CONCYTEC. Dr. Gonzales also participates in a collaborative project with the National Academy of Sciences and the Peruvian Ministry of Education with the purpose of enhancing the teaching of sciences in Peru at the school level, training teachers of life sciences with the objective of increasing the motivation

of their students in the different areas of the sciences. Her doctoral thesis was the winner of the first place in the National Contest of Thesis awarded by the National Assembly of Rectors of Peru. To date she has published 15 scientific articles in journals indexed, and has presented more than 20 jobs in national and international scientific meetings, both in posters as in oral presentations.



FANIA KADIRIA PÉREZ MENDOZA (Universidad Centroamericana)

Fania Pérez was graduated in Clinical Biotechnology from the National Autonomous University of Nicaragua (UNAN-León) in 2011 and received a Master degree in Public Health from the UNAN-Managua in 2016. During the years 2012 to 2016 she worked as a Laboratory Coordinator and Quality Control Assistant in the Bacteriology department of the National Center of Reference (CNRD-MINSA), for the National Surveillance of bacterial pneumonia and meningitis in children Aged under 5 years promoted by PAHO. From 2016 to date she has been working as a junior researcher at the Molecular Biology Center (CBM-UCA) promoting the research in antimicrobial resistance in Enterobacteriaceae strains and HPV genotypification as a complementary test to Papanicolaou.



INGRID ALTAGRACIA ALFARO LOPEZ (Universidad De El Salvador)

Ingrid Alfaro was graduated in Civil Engineering from the University of El Salvador (UES) in 2011, and received a Postgraduate diploma in Specialization in Geothermal energy and its evaluation of environmental impacts in 2012 from the same University. In 2014, she received a Master degree in Disaster Management with Specialization in Flood Disaster Mitigation from the National Graduate Institute for Policies Studies (GRIPS)/Tokyo, Japan. Since 2015, she is working in researches in applied hydraulics and hydrology in the University of El Salvador, mainly in Floods Urban Risks, Applications of Sustainable Urban Drainage Systems, Adaptation of Climate Change impacts and implementations of sustainable buildings. She also has gave some workshops in Hydraulic and Hydrology modelling using free software addressed to students of 4th and up year of Civil Engineering, has conduct some investigation and she is active in the field of sharing knowledge with students.



JOHAN DAVID REYES CHÁVEZ (Universidad Nacional Autónoma De Honduras)

Johan David Reyes studied Biology at Universidad Nacional Autónoma de Honduras (UNAH) and is currently expecting graduation. Johan has worked for 2 years at “Ciudad Blanca Project” as a Botany Research Coordinator in la mosquitia region, has 1-year experience as herbarium assistant, was a Medical Biology instructor at UNAH, its currently an associated researcher at “El Zamorano” University and a Rufford Foundation grant receiver for a project at Celaque Mountain National Park. His interests are Ecology, Phycology and Botany and has published, at 22 years old, 2 peer-reviewed publications and multiple new records of ferns, orchids and the first algae list of Honduras are currently in press.



MARLENE SUSANA ARRECHEA ALVARADO (Universidad De San Carlos De Guatemala)

Dr. Susana Arrechea received her undergraduate degree in chemical engineering (2010) from the University of San Carlos in Guatemala (USAC), working in her early career as a physical chemistry assistant professor at USAC. She was awarded a scholarship from Fundación Carolina to study a masters and doctorate in Molecular Nanoscience and Nanotechnology at the University of Castilla-La Mancha (UCLM), Spain, developing novel porphyrins for solar cells. She finished her PhD in 2015 with cum laude recognition. She was selected to become a Fulbright Nexus fellow, and generated renewable energy research for rural communities, working as visiting researcher at the University of California-Berkeley. Today, she works as a research professor in the Research, Technological Development and Innovation Area of USAC’s School of Chemical Engineering, developing projects funded by national and international agencies. She has published 10 scientific articles and participated in 29 national and 10 international congresses. She won “Guatemaltecos Ilustres” award 2017 in the scientific category and she won the prize for Young Scientists 2017 granted by TWAS. Dr. Arrechea has been speaker in activities to motivate girls to pursue STEM careers, with more than 3,500 girls attending to date.



MELISSA INGRID SILIÉ RUIZ (Universidad Iberoamericana)

Mrs. Melissa Silié Ruiz is a lawyer, she obtained her bachelor degree in laws from the Universidad Iberoamericana (UNIBE) in 2011, summa cum laude and awarded as the valedictorian of the promotion. In 2014 she obtained a LLM in International Business Law from the University of Manchester, United Kingdom publishing in a Student Journal of the University one of her research papers regarding Access to Financing in Emerging Countries. In 2018 she obtained another LLM in Administrative Law from the Universidad of Salamanca, her paper “Sanctioning Administrative Procedure in Competition Law of the Dominican Republic” has been recommended for a doctoral investigation in said university. She is currently professor of competition law in the Universidad of Iberoamericana (UNIBE). Her research areas are focus in competition law, compliance in competition law and administrative procedures in cases of competition law. Her publications includes different articles, research papers and presentations from conference on this subject.



MYRIAM HYPOLITE (State University of Haiti)

Myriam HYPOLITE obtained in 2013 her bachelor of Agronomy degree with option natural resources and environment (RNE) at Faculty of Agronomy and Veterinary Medecine (FAMV) from the State University of Haiti. She received a master degree in Agroforestry from Laval University, Québec, Canada in 2017. Since October to the same year, she teaches at the FAMV from the State University of Haiti and she is also an independent consultant. In 2014-2015, she has worked at FAMV as a teacher assistant. In 2016-2017, she wrote her master’s research work entitled “Use of perennial pigeon pea (*Cajanus cajan*) and peanut (*Arachis hypogea*) in agroforestry system for better soils conservation to Lalouère, Saint-Marc, Haiti” under the supervision of professor Patrice DION from University Laval. One of the articles of her research work to assess the perception of men and women about the adoption of agroforestry. She is particularly interested in gender issue and sustainable farming systems such as agroecology and agroforestry.



PATRICIA ZANCAN (Universidade Federal Do Rio De Janeiro)

Patricia Zancan is Associate Professor at UFRJ, Brazil since 2007. She got her MSc in 2002 and her PhD, in 2005 in Biological Chemistry in the Institute of Medical Biochemistry Leopoldo de Meis, at UFRJ. In 2008, she established a novel laboratory devoted to the study of signalling in cancer biology aimed to control the development of cancer cells. During the professional career, she has supervised Masters, PhD and post-doctoral fellows at high levels, contributing to the formation of qualified personnel. At administrative level, acted as the Head of the department of Pharmaceutical Biotechnology (2012-2014). Patricia Zancan has authored more than 30 scientific articles in peer-reviewed journals. During 2014-2015, she was in a sabbatical period at Université Laval, Quebec, Canada, where she served as invited professor working in projects related to diabetes molecular triggers. In 2016 she was nominated as Young Affiliate of TWAS and was elected as co-chair of TYAN (TWAS Young Affiliates Network) which aims to enhance the interactions and cooperation among all its members and South-South and South-North research collaboration among young and early career scientists.



SOPHIA T. BALFOUR (University of The West Indies)

Sophia Balfour graduated from the University of the West Indies in 2004, and received a B.Sc. degree in Chemistry with minor in Analytical Chemistry. Thereafter, she worked as an intern technician at Angostura Limited. In 2007, she returned to the University of the West Indies to pursue an M. Phil. degree in Food Safety and Quality which was upgraded to Ph.D. in 2011, under the supervision of Professor Neela Badrie and Dr. Adesh Ramsubhag. At the University of the West Indies, she served as a Teaching Assistant and Demonstrator in Microbiology, and as Field Technician for CARICOM Food Security Project. She has participated in several conferences, co-authored a book chapter and published articles on food safety and shrimp quality.



TANEISHA C. P. EDWARDS (University Of The West Indies)

Taneisha Edwards graduated from the University of the West Indies, Mona Campus, Jamaica with a BSc in Geography and Geology in 2008. She started a research masters in Geology and then transferred into a PhD Programme in 2012. She went on an exchange programme to the University of Toronto, Canada and returned to Jamaica to complete her PhD. Taneisha has successfully defended her PhD thesis entitled: Sedimentology and stable isotope geochemistry of geologically recent clastic and carbonate sedimentary rocks (beachrocks) in Jamaica, and is currently waiting to be awarded. She is now focused on a career in coastal and Quaternary sedimentology and geology. In 2013 Taneisha was offered an academic position at the Department of Geography and Geology at the University of the west Indies, Mona Campus, where she lectures for the Geology programme and supervise undergraduate projects. Taneisha has worked with government and non-government organizations as a scientific consultant for various projects and is now working as a section investigator for a project with the World Bank Group. Taneisha is the assistant district manager for the Kingston Chapter of the Caribbean Women Honors and Empowerment, a non-profit group. She is the current president for the Geological Society of Jamaica and is currently an ordinary member of the American Association of Women Geoscientist, the Geological Society of America, the European Geophysical Union and the Caribbean Academy of Science. WEST INDIES).



VALERIA OCHOA (Universidad San Francisco de Quito)

Dr. Ochoa-Herrera obtained her PhD in 2008 from the Department of Chemical and Environmental Engineering at The University of Arizona, Tucson, AZ, USA. Dr. Ochoa-Herrera also obtained MSc and MA degrees in Environmental Engineering and Analytical Chemistry, respectively, from The University of Arizona, Tucson, AZ, USA. She is currently the Head of Department of Environmental Engineering at Universidad San Francisco de Quito USFQ, Ecuador. She is also the co-founder of the Innovation and Sustainability Office (OIS-USFQ) and the Women in Science and Engineering initiative at Universidad San Francisco de Quito USFQ (WISE-USFQ). Dr Ochoa-Herrera was recently appointed Adjunct professor in Environmental Sciences and Engineering, Gillings School of Global Public Health at the University of North Carolina at Chapel Hill, UNC - Chapel Hill, USA. Her research areas focus on water quality, wastewater treatment, bioremediation, biofuels and sustainability. Dr Ochoa-Herrera is also a consultant and has

collaborated with international organizations, Ecuadorian NGO, and private and public industries. Dr. Ochoa-Herrera has published 23 peer-reviewed publications and 2 book chapters.



VANIA WENDY TORREZ FLORES (Universidad Mayor De San Andrés)

Dr. Torrez obtained her PhD in 2016 from the Biology department at the KULeuven, Leuven, Belgium. She obtained her MSc from the University of Missouri - Saint Louis, Saint Louis, MO, USA. She is a plant ecologist and did research about plant community ecology in the tropics and ecological restoration in Europe. Currently, she is working in a project regarding climate change and food security in the Bolivian Altiplano at the San Andres University, La Paz, Bolivia. Dr. Torrez has published 15 peer-reviewed publications.



VIVIANA MARÍA DE EGEE GARABANO (Universidad Nacional De Asunción)

Viviana de Egea obtained her MD degree in 2009 from “Universidad Nacional de Asunción, Facultad de Medicina” (Asunción National University, Faculty of Medicine). In 2015 Viviana obtained the Microbiology and Parasitology specialization degree from Spain Ministry of Health, after 4 years at the residence training program at the “Gregorio Marañón” University Hospital, Madrid, Spain. She is currently the Head of Department of vector borne diseases program, in charge of the Malaria, Chagas, Leishmaniasis, Schistosomiasis and Dengue National Programs at SENEPA (National Malaria Eradication Service) at Paraguayan Ministry of Health. Viviana is an associated researcher at “Centro para el Desarrollo de la Investigación Científica” (Center for the development of scientific research - CEDIC), and American Society for Microbiology (ASM) Young Ambassador of Science to Paraguay 2017-2019. Since 2016, Viviana de Egea is teaching assistant at Microbiology and Parasitology department, Medicine Faculty, UNA, in the Santa Rosa del Aguaray city. Her research areas focus on Infectious diseases epidemiology, Infection Control, molecular bacteriology and Antimicrobial resistant microorganisms.

Institutional Members of BAS

