

Fernando J. Astudillo

Assistant Professor, College of Social Sciences and Humanities
San Francisco de Quito University, Ecuador

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ACADEMIC INFORMATION

Degrees

- 2017 PhD. Simon Fraser University, Department of Archaeology.
Dissertation: Environmental Historical Archaeology of the Galápagos Islands: Paleoethnobotany of Hacienda El Progreso (1870-1910).
Supervisor: Dr. Ross Jamieson.
- 2011 MA. University of Calgary, Department of Archaeology.
Dissertation: Phytoliths Analysis, Palaeoenvironment and Subsistence in the Ecuadorian Andes.
Supervisor: Dr. Scott Raymond.
- 2007 Licentiate in Anthropology, Pontifical Catholic University of Ecuador, School of Antropology
Dissertation: The Ancient crops of Chilmá: Archaeobotany of a Pasto Site.

Research Interests

Archaeology, historical ecology, paleoethnobotany, archaeology of mestizaje, frontier studies, Andes.

Academic Employment History

- 2018-present Assistant professor (Full-time-Non-tenure), College of Social Sciences and Humanities, San Francisco de Quito University, Ecuador.
- 2017-2018 Adjunct professor, College of Social Sciences and Humanities, San Francisco de Quito University, Ecuador.
- 2017 Instructor, San Francisco de Quito University-Galapagos National Park. Curso para Guías Naturalistas de Galápagos.

Other Academic Affiliations

- 2016-present Adjunct researcher. National Institute of Cultural Heritage of Ecuador.
- 2014-present Researcher. History and Society of the Galápagos Islands, Galápagos Science Center (USFQ-UNC Chapel-Hill).
- 2011-present Researcher. Centro de Investigaciones Socio-Culturales. San Francisco de Quito University.

Awards/Honors

- 2014-2016 Provost International Fellowship, Simon Fraser University.
- 2012-2016 Scholarship for Doctoral Studies. SENESCYT/IECE, Government of Ecuador.
- 2008-2011 Graduate Research Scholarship, University of Calgary.

2008 Nicholls International Graduate Archaeology Scholarship, University of Calgary.

PUBLICATIONS

Book

2020 *Historical Ecology and Archaeology in the Galápagos Islands: A Legacy of Human Occupation*, by Peter W. Stahl, Fernando J. Astudillo, Ross Jamieson, Florencio Delgado, and Diego Quiroga. University Press of Florida.

Peer-reviewed Journal Articles

In review "The Galapagos as Penal Colony: The Hacienda el Progreso, 1878-1904", by Fernando Astudillo and Ross Jamieson. *Punishment & Society*.

2020 "Illustrated catalog of phytoliths from modern plants of the Galápagos Islands: Economic species of San Cristóbal Island". *ACI Avances en Ciencias e Ingenierías* 11 (19): 40-91.
<https://dx.doi.org/10.18272/aci.v11i3.969>

2018 "Neanderthal activity and resting areas from stratigraphic unit 13 at the Middle Palaeolithic site of Oscurusciuto (Ginosa-Taranto, Southern Italy)", by Vincenzo Spagnolo, Giulia Marciani, Daniele Aureli, Francesco Berna, Ginevra Toniello, Fernando Astudillo, Francesco Boschini, Paolo Boscato, and Annamaria Ronchitelli. *Quaternary Science Reviews* 217: 169-193.
<https://doi.org/10.1016/j.quascirev.2018.06.024>

2018 "Environmental and Historical Archaeology of the Galápagos Islands: Paleoethnobotany of El Progreso Plantation, 1870-1904. *Vegetation History and Archaeobotany* 27 (5): 737-751.
<https://doi.org/10.1007/s00334-018-0668-9>

2017 "Soil Phytoliths as Indicators of Initial Human Impact on San Cristóbal Island, Galápagos". *Palaeography, Palaeoclimatology, Palaeoecology* 490:522-532.
<https://doi.org/10.1016/j.palaeo.2017.11.038>

2010 "Poaceae phytoliths from the Niassa Rift, Mozambique", by Julio Mercader, Fernando Astudillo, Mary Barkworth, Tim Bennett, Chris Esselmont, Rahab Kinyanjui, Dyan Laskin Grossman, Steven Simpson, and Dale Walde. *Journal of Archaeological Sciences* 37:1953-1967.

2007 "Las Antiguas Plantaciones de Chilmá. Estudio Arqueobotánico sobre la Agricultura en un Yacimiento Pasto. *Antropología Cuadernos de Investigación* 7. Revista de la Escuela de Antropología. PUCE, Quito.

Book Chapters

2020 "Floral Analysis, Impacts and Innovations in Historical Paleoethnobotany", by Fernando Astudillo and Sarah Walshaw. In: *The Routledge Handbook of Global Historical Archaeology*, 618-635. New York.

Book Reviews

2005 La Identidad del Pueblo Cañari. De-Construcción de una Nación Etnica, edited by Hugo Burgos Guevara. In: *Antropología Cuadernos de Investigación* 6. Revista de la Escuela de Antropología, Quito.

Research Reports

- 2020 Arqueología Ambiental de las Islas Galápagos. Informe Prospección Arqueológica 2019, Permiso de Investigación Arqueológica N°018.DZ5.INPC.2019. Report on file at the Instituto Nacional de Patrimonio Cultural del Ecuador (INPC)
- 2015 Ecología histórica de las islas Galápagos. Informe de actividades año 2, 2015. Report on file at the Galapagos National Park.
- 2014 Ecología histórica de las islas galápagos. Informe de actividades año 1, 2014. Report on file at the Galápagos National Park.

Other Publications

- 2016 Produced seven-part video documentary web series for the project “Historical Ecology of the Galápagos Islands (In Spanish with English subtitles). Produced by Fernando Astudillo and LaVainillaFilms Ecuador. <https://www.youtube.com/channel/UCZsdX8g0fqKk-Kntfhan31A>

Manuscripts in preparation for Peer-reviewed Journals

Pristine and Polluted: Ecological effects of the Industrial Machinery of El Progreso Plantation, Galápagos Islands (1880-1920). For submission to *Environmental Archaeology* or *Journal of Island Archaeology*.

Anthracology of Ecuador: Illustrated catalog of wood from useful species, part one. For submission to *Environmental Archaeology*.

A Post-Archaeology World: The aftermaths of the Historical Ecology and Archaeology of the Galápagos Islands Project. For submission to *Journal of Ethnobiology*.

Comparative collection phytoliths from Northern Ecuador. Online database by the National Institute of Cultural Heritage of Ecuador (INPC).

RESEARCH

- 2020-2021 Researcher, Quito: Spiritual City. Archival City Project, Gustave Eiffel University – San Francisco de Quito University (<https://archivalcity.hypotheses.org/1349>).
- 2019-2021 Principal Investigator, Environmental Archaeology of the Galápagos Islands. Galápagos Science Center (USFQ-UNC Chapel-Hill).
- 2014-2018 Researcher, Historical Ecology and Archaeology of the Galápagos Islands. University of Victoria-Simon Fraser University-San Francisco de Quito University (<https://goo.gl/MYfQm4>).
- 2009-2011 Associate Researcher, Tropical Archaeology Laboratory. University of Calgary.
- 2008-2009 Co-Director, The Ancient Pastos Archaeological Project. Ecuador.
- 2008 Archaeologist, Qhapac-Ñan project. National Institute of Cultural Heritage Ecuador (INPC) – UNESCO.

Grants and fellowships

- 2021-2022 Fellowship in the Summer Program in Social Science. Institute for Advanced Study. Princeton, New Jersey.

- 2021 Fellowship in the Archaeological Science Workshop at the Max Planck Institute for the Science of Human History. Jena, Germany.
- 2019-2020 Research Grant. Galapagos Science Center (USFQ-UNC Chapel-Hill).
- 2019-2020 Research Grant. COCISOH-San Francisco de Quito University.
- 2013 Professional Development Grant, Graduate Student Society, Simon Fraser University.
- 2006 Internship, Laboratory of Archaeozoology and Archaeobotany, National University of Colombia.
- 2000-2002 Fellowship, Jacinto Jijón y Caamaño Museum, Ecuador.

Travel Grants

- 2019 Travel Award, College of Social Sciences and Humanities, San Francisco de Quito University.
- 2015 Graduate School Travel Award, Department of Archaeology, Simon Fraser University.
- 2015 Travel Grant, Graduate Student Society, Simon Fraser University.
- 2014 Graduate School Travel Award, Department of Archaeology, Simon Fraser University.

Museography Experience

- 2011-2012 Temporary curator. Exhibition: Forgers, Collectors, and Looters: the history behind Andean ancient art, Museum of Archaeology and Ethnography, Simon Fraser University.

Archival Research Experience

- Feb. 2020 Biblioteca de la Iglesia y Convento San Agustín – Quito-Ecuador.
- Oct. 2014 Archivo General del Ecuador (ANE) – Quito, Ecuador.
- Oct. 2014 Biblioteca Jesuita Aurelio Espinoza Pólit – Quito, Ecuador.
- Sept. 2014 Archivo Histórico del Guayas (AHG) – Guayaquil, Ecuador.
- Sept. 2014 Biblioteca Municipal de Guayaquil – Guayaquil, Ecuador.

Research Assistantships

- 2011 Collection Curatorial Assistant, Department of Archaeology, Simon Fraser University.
- 2008-2010 Research Assistant, Cypress Hills Archaeological Project, Plains Archaeology Laboratory, University of Calgary.
- 2007 Field Supervisor, Archaeology of Machalilla Park - Ecuador.
- 2006 Field Technician, Calle Larga Historical Archaeology Project, Cuenca-Ecuador
- 2005-2007 Field Technician, “Chilmá” Archaeological Project, Ecuador
- 2005 Field Technician, Arqueología del Mitmakuna, Ecuador.
- 2005 Laboratory Technician (Archaeological Collection), Jacinto Jijón y Caamaño Museum, Ecuador.

TEACHING EXPERIENCE**Assistant Professor**

- Spring 2021 Landscape Archaeology (ANT-2203) / Eco-Anthropology (ANT-3108) / Introduction to Physical anthropology (ANT-2301) / The Being and the Cosmos (Online, ARL-2001). San Francisco de Quito University.
- Fall 2020 Andean Archaeology (ANT-2202) / Ethnohistory (ANT-3107) / Archaeology: Theory and Methods (ANT-3204) / The Being and the Cosmos (Online, ARL-2001). San Francisco de Quito University.
- Summer 2020 The Being and the Cosmos (Online, ARL-2001). San Francisco de Quito University.
- Spring 2020 Modern World Archaeology (ANT-3205) / Landscape Archaeology (ANT-2203) / Eco-Anthropology (ANT-3108). San Francisco de Quito University.
- Fall 2019 Human Ecology (Graduate Seminar, MGAG-6002) / Historical Ecology (ECL-0321E) / Ethnohistory (ANT-3107) / Andean Archaeology (ANT-2202). San Francisco de Quito University.
- Spring 2019 Modern World Archaeology (ANT-3205) / Human Ecology (ANT-0385E) / Eco-Anthropology (ANT-3108). San Francisco de Quito University.
- Fall 2018 Ethnohistory (ANT-3107) / Eco-Anthropology (ANT-3108). San Francisco de Quito University.
- Spring 2018 Historical Ecology (ECL-0321E) / Eco-Anthropology (ANT-3108). San Francisco de Quito University.
- Fall 2017 Archaeology: Theory and Methods (ANT-3204) / Eco-Anthropology (ANT-3108). San Francisco de Quito University.
- Spring 2017 Political Ecology (ECL-0637E) / Eco-Anthropology (ANT-3108). San Francisco de Quito University.

Teaching Assistant

- Fall 2012 Introduction to Archaeology (ARCH 201). Department of Archaeology, Simon Fraser University, Canada.
- Winter 2009 The Incas and Their Successors (ARKY 357). Department of Archaeology, University of Calgary.
- Fall 2011 Introduction to Archaeology (ARKY 201). Department of Archaeology, University of Calgary.
- Fall 2010 Introduction to Archaeology (ARKY 201). Department of Archaeology, University of Calgary.

Teaching Certificates / Workshops

- 2020 Blended Flexible Learning. Shift Academy USFQ. Course for online teaching, 43 hours;
- 2020 Online tools for professors in Social Sciences. Shift Academy USFQ. Workshop, 1 hour;
- 2020 Modern and entertained videoconferences. Shift Academy USFQ. Workshop, 1 hour;

- 2020 Time Management for professors. Shift Academy USFQ. Workshop, 1 hour;
- 2020 Engaging lectures for Millennials. Shift Academy USFQ. Workshop, 1 hour;
- 2020 Virtual tools for online courses. Shift Academy USFQ. Workshop, 1 hour;
- 2019 Reinventing the Professor for the New Era. Shift Academy USFQ. Workshop, 10 hours;
- 2019 Teaching at the USFQ. Shift Academy USFQ. Workshop, 8 hours;
- 2019 Basic Tools for the Emphatic Professor. Shift Academy USFQ. Workshop, 8 hours;
- 2019 Service and Learning Teaching Methodology. Shift Academy USFQ. Workshop, 6 hours
- 2019 From diverse to an inclusive classroom. Shift Academy USFQ. Workshop, 2 hours;
- 2018 Leadership for Educators. Shift Academy USFQ. Workshop, 2 hours;
- 2018 Techniques for active learning and engagement. Shift Academy USFQ. Workshop, 2 hours.

CONFERENCE PAPERS AND PRESENTATIONS

- 2019 Contaminando Tierras Prístinas: Efectos Ambientales del uso de Maquinaria Industrial en la Plantación El Progreso, Islas Galápagos (1880-1920). II Jornadas científicas internacionales de investigación para la conservación del patrimonio cultural. Quito, Ecuador.
- 2019 Post-Archaeology World: The aftermath of the Historical Ecology and Archaeology of the Galápagos Islands Project. Society of Ethnobiology Annual Conference. Vancouver, Canada.
- 2018 Colonization of Paradise: State, Nature and Authority in the Galapagos Islands. American Society for Ethnohistory. Annual Meeting. Oaxaca.
- 2017 Arqueología Histórica Ambiental de las Islas Galápagos: Paleobotánica de la Hacienda El Progreso. II Symposium of Research and Conservation in Galápagos. Puerto Baquerizo Moreno.
- 2017 To the ends of the Earth: European Tablewares in El Progreso, Galápagos (1880-1904). 50th Conference of the Society of Historical Archaeology. Fort Worth, Texas.
- 2017 Colonization of Paradise: Historical Ecology and Archaeology of El Progreso Plantation, Galápagos (1870–1904). 82nd Annual Meeting of the Society of Historical Archaeology. Vancouver, Canada.
- 2017 Industrial Islands: Ecological Impacts of the Steam-Powered Mills of the El Progreso Plantation, Galápagos Islands. 82nd Annual Meeting of the Society of Historical Archaeology. Vancouver, Canada.
- 2017 Co-chair session: Northern Andes Archaeology II. 82nd Annual Meeting of the Society of Historical Archaeology. Vancouver, Canada.
- 2016 Paleobotánica de la Hacienda El Progreso, Galápagos (1870-1904). Arqueologías del Paisaje Ecuatoriano; Colegio de Profesionales Arqueólogos del Ecuador/USFQ, Quito

- 2016 Galápagos Sugar Empire: The Mechanization of El Progreso Plantation, 1880-1917. 49th Conference of the Society of Historical Archaeology, Washington D.C
- 2015 Historical Ecology of the Galápagos Islands: Paleoethnobotany of Hacienda El Progreso, 1887-1904. 2nd International Historical Ecology Meeting. Vancouver, Canada.
- 2015 The Socio-political Landscapes of Hacienda “El Progreso”: 1887-1904: Historical Ecology of the Galápagos Islands. SHA 2015, 48th Conference on Historical Archaeology. Seattle, WA.
- 2014 Cultivated Historical Landscapes: Theoretical Aspects for the Archaeology of Andean Colonial Gardens and Fields. 47th Annual Conference of the Society of Historical Archaeology, Quebec City, Canada.
- 2013 Phytoliths, Garden Archaeology, and Palaeoenvironment of the Northern Ecuadorian Andes. Society of American Archaeology 78th Annual Meeting, Honolulu, Hawaii.
- 2010 Phytoliths Analysis, Palaeoenvironment and Subsistence in the Ecuadorian Andes. Canadian Archaeological Association, University of Calgary (Session: Roots and Grains and the Peoples Who Ate Them).
- 2007 Las antiguas plantaciones de Chilma. II Congreso ecuatoriano de Antropología y Arqueología. INPC-BCE Guayaquil.

Invited Workshop Participation

- 2020 Developing a philosophy on global citizenship. Lehigh University (USA)– Shift Academy USFQ (Ecuador). Online workshop, 40 hours;
- 2019 Maritime Archaeology of the Galápagos Islands. First International Workshop on Paleoclimate, Water Use and Environmental Phenomena in Ancient Peru and Their Contemporary Impacts. University of East Anglia - Universidad Nacional de Trujillo, Perú.

Invited Lectures

- 2020 Quito, City of Earthquakes. Modeling the Spiritual City with Digital Archaeology. Archaeology Seminar Simon Fraser University, Canada.
- 2020 Contributions of Paleoethnobotany to the Archaeology of Ecuador (in Spanish). Programa de Arqueología, Universidad del Externado, Colombia.
- 2009 Pre-Hispanic agriculture of Chilmá. The challenges of archaeobotany on Ecuadorian highlands. Noon Hour Lecture, Department of Archaeology, University of Calgary.
- 2009 Arqueobotánica y Memoria. El caso de los Andes ecuatorianos. Ministry of Culture, Quito.
- 2006 Arqueobotánica de Agua Blanca, Manabí. Anthropology Week, PUCE, Quito.

PROFESSIONAL SERVICE TO THE FIELD

Professional Memberships

Society for American Archaeology

Society for Historical Archaeology

Society of Ethnobiology

American Society for Ethnohistory

Registro de Arqueólogos Profesionales del Ecuador (No. 0039)

Colegio de Arqueólogos Profesionales del Ecuador

Peer Review and Editing

2019 Reviewer: Vegetation History and Archaeobotany.

2015, 2016 Reviewer: Journal of Ethnobiology

2012 Reviewer: Journal of Archaeological Sciences

University and Committee Service

2019-present Faculty member. Master in Environmental Management, Major in Socioecological Systems Management. College of Biological and Environmental Sciences, San Francisco de Quito University.

2019-present Researcher. ASIA Institute, San Francisco de Quito University.

2018-present Faculty member. Office of International Programs (OPI), San Francisco de Quito University.

Professional Experience

2012 Archaeologist, CELEC-EP ENERNORTE, Ecuador. Supervised CRM archaeology projects in northern Ecuador.

2012 Archaeologist, National Institute of Cultural Heritage (INPC), Ecuador. Supervised archaeology projects in Ecuador

2006-2007 Field Technician. Baba Archaeological Project, Ecuador.

TECHNICAL SKILLS

- DIC microscopy

Software

- Microsoft Office
- C2 Palaeoecology
- Adobe Spark
- Genialy
- Prezi

Safety Certificates

- WHIMS certificate, University of Calgary
- Industrial Safe and Security Procedures, Odebrecht-Ecuador.
- Field Safe and Security Procedures, Odebrecht-Ecuador

LANGUAGES

Spanish: First language

English: Fluent

Portuguese: Reading knowledge

Quechua: Reading and listening knowledge

REFEREES

Peter W. Stahl, PhD.
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University of Victoria
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Victoria, BC. V8W 2Y2
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Ross Jamieson, PhD.
Department of Archaeology
Simon Fraser University
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Burnaby, BC. V5A1S6
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Sarah Walshaw, PhD.
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