

LIZZETTE A. RODRIGUEZ-IGLESIAS

Department of Geology, University of Puerto Rico – Mayagüez Campus
PO Box 9000, Mayagüez, PR 00681

Tel: 787-464-3275

Fax: 787-265-3845

e-mail: lizzette.rodriguez1@upr.edu

Education

University of Puerto Rico-Mayagüez Campus	Geology	1997, B.S., Magna Cum Laude
University of Puerto Rico-Mayagüez Campus	Geology	2001, M.S.
Michigan Technological University	Geology	2007, Ph.D.

Research and Teaching Experience

Associate Professor, Dept. of Geology, Univ. of Puerto Rico, Mayagüez, PR	07/2013-Present
Director, Dept. of Geology, Univ. of Puerto Rico, Mayagüez, PR	05/2012-Present
Adjunct Associate Professor, Geological and Mining Engineering and Sciences Michigan Technological University (MTU), Houghton, MI	08/2015- Present
Interim Director, Dept. of Geology, Univ. of Puerto Rico, Mayagüez, PR	01/2012-04/2012
Assistant Professor, Dept. of Geology, Univ. of Puerto Rico, Mayagüez, PR	10/2007-06/2013
Adjunct Assistant Professor, Geological and Mining Engineering and Sciences Michigan Technological University (MTU), Houghton, MI	08/2009-05/2015
Instructor, Dept. of Geology, Univ. of Puerto Rico, Mayagüez, PR	08/2006-06/2007
Research Assistant, MTU Dept. of Geology, Houghton, MI	08/2001-07/2006
- Study of volcanic gas emissions, specifically of SO ₂ loss rates at Soufrière Hills and Lascar volcanoes.	
Instructor, Comisión Nacional de Actividades Espaciales (CONAE), Argentina	11/2004
- Remote Sensing Workshop on the Monitoring of Active Volcanoes, Detection and Tracking of Volcanic Eruptions, and the Development of Alert Systems for Aviation Hazards	
Voluntary Worker, Montserrat Volcano Observatory, Montserrat, BWI	04/2004; 04-05/2003
- Assisting in the ground deformation and gas monitoring of the Soufrière Hills volcano, Montserrat.	
Visiting Scientist, Montserrat Volcano Observatory, Montserrat, BWI	03/2004; 05/2002; 02/2000; 09/1999; 06/1998; 06/1997
- Monitoring of sulfur dioxide emission rates. Reoccupation of GPS sites at the Soufrière Hills Volcano, Montserrat.	

Research Interests and Experience

- Main research involves the acquisition and analysis of volcanic gas emission data, specifically sulfur dioxide, using ground-based (Differential Optical Absorption Spectroscopy) and satellite-based remote sensing techniques (OMI). Experience using Ocean Optics USB-2000 and 4000 UV spectrometers for SO₂ measurements (Resonance, Ltd. and FLYSPEC systems), UV cameras, and also sun photometers to retrieve data used to determine particle properties in volcanic plumes.
- Research also involves the characterization of pyroclastic deposits and lava flows, specifically from volcanoes in Guatemala.
- Interests: volcanic hazards and monitoring (especially gas and particle emissions and deformation), volcano-atmosphere interactions, pyroclastic deposits.
- Field experience during 9th, 10th, 11th, and 12th Gas Workshops, organized by IAVCEI's Commission on the Chemistry of Volcanic Gases (CCVG).
- Field experience during 7th Volcanic Lake Workshop, Chile, organized by IAVCEI's Commission on Volcanic Lakes (CVL).

- Field work in Guatemala (2002, 2005, 2013-2018), Perú (2015), Costa Rica (2011, 2012), Chile (2002, 2004, 2005, 2014, 2016), Montserrat (1997-2004), El Salvador and Nicaragua (2002).

Other recent positions

Member of Executive Committee	July 2015 – June 2019
International Association of Volcanology and Chemistry of the Earth's Interior (IAVCEI)	
Ex-officio President	January 2019 – December 2020
Asociación Latinoamericana de Volcanología (ALVO)	
President	January 2017 – December 2018
Asociación Latinoamericana de Volcanología (ALVO)	
Member of Scientific Committee	
Cities on Volcanoes 10, Naples, Italy	9/2 – 9/7/2018
Member of Organizing Committee of the “Segundo Encuentro de Observatorios Vulcanológicos de Latinoamérica”	4/23-4/24/2018
Arequipa, Perú	Organized by: Asociación Latinoamericana de Volcanología (ALVO), Instituto Geológico, Minero y Metalúrgico (INGEMMET) of Perú, Volcanic Disaster Assistance Program (USGS-VDAP), and Universidad Tecnológica de Perú (UTP)
Member of IAVCEI Task Group on Crisis Protocols	2014-Present
Affiliated with the Commission on Volcanic Hazards and Risks - IAVCEI	
Member of Honours and Recognition Committee	2016-2019
International Union of Geology and Geophysics (IUGG)	
Member of Organizing Committee of the “Primer Encuentro de Observatorios Vulcanológicos de Latinoamérica”	10/12-10/13/2015
Arequipa, Perú	Organized by: ALVO and INGEMMET
Vice-President	January 2015 – December 2016
Asociación Latinoamericana de Volcanología (ALVO)	
President of Organizing Committee of the 29 th Annual Symposium of Caribbean Geology	
Department of Geology	27-29 March 2014
University of Puerto Rico – Mayagüez Campus	
Regional Advisor for Central America and the Caribbean	Nov 2012 – Dec 2014
Asociación Latinoamericana de Volcanología (ALVO)	
General Chair - 2013 GSA Southeastern Section Meeting	January 2012 – April 2013
San Juan, Puerto Rico, March 20-21, 2013	

IAVCEI-Related Activities

2018 – Participation the Cities on Volcanoes 10 (COV10) conference, Naples, Italy
2017 – Participation in the IAVCEI Scientific Assembly in Portland, Oregon, USA
2017 – Participation in the IAVCEI Scientific Assembly Pre-conference Field Trip; Crater Lake and Newberry volcanoes, OR, USA; 8-12 August
2016 – Participation the Cities on Volcanoes 9 (COV9) conference, Puerto Varas, Chile
2016 – Participation in the COV9 Pre-conference Field Trip; Chaiten volcano, Chile; 15-18 November
2015 – Participation in the 12th Gas Workshop, 16-28 November, Atacama Desert, Chile (Copiapó and San Pedro de Atacama), visiting Lastarria and Lascar volcanoes and El Tatio Geysers. Offered by: IAVCEI's Commission on the Chemistry of Volcanic Gases (CCVG).
2014 – Participation in the Cities on Volcanoes 8 (COV8) conference, Yogyakarta, Indonesia
2014 – Participation in the COV8 Pre-conference Field Trip; Dieng Plateau, Central Java; 7-8 September
2012 – Participation in the Cities on Volcanoes 7 (COV7) conference, Colima, Mexico
2012 – Participation in the COV7 VHub Workshop (W4), 18 November

2011 – Participation in the 11th Gas Workshop, 1-10 September, Petropavlosk Kamchatsky (Institute of Volcanology), Mutnovsky and Gorely volcanoes, Russia. Offered by: IAVCEI's CCVG.

2010 – Participation in the Cities on Volcanoes 6 conference, Tenerife, Spain

2010 – Participation in the 7th Volcanic Lake Workshop, 10-19 March, University of Costa Rica and OVSICORI, Poás and Irazú volcanoes, Río Cuarto and Hule maars. Offered by: IAVCEI's Commission of Volcanic Lakes (CVL).

2008 – Participation in the 10th Gas Workshop, 10-20 November, Mexico City (UNAM), Popocatepetl and Colima volcanoes. Offered by: IAVCEI's CCVG.

2008 – Participation in the IAVCEI General Assembly in Reykjavik, Iceland

2005 – Participation in the 9th Gas Workshop, Palermo, Sicily (INGV), Vulcano, Solfatara, and Etna volcanoes. Offered by: IAVCEI's CCVG.

2004 – Participation in the IAVCEI General Assembly in Pucón, Chile

2000 – Participation in the IAVCEI General Assembly in Bali, Indonesia

Recent workshops attended (non-IAVCEI)

“Segundo Encuentro de Observatorios Vulcanológicos de Latinoamérica” 4/23 – 4/24/2018
Arequipa, Perú. Offered by: Asociación Latinoamericana de Volcanología (ALVO), Instituto Geológico, Minero y Metalúrgico (INGEMMET) of Perú, Volcanic Disaster Assistance Program (USGS-VDAP), and Universidad Tecnológica de Perú (UTP)

“Foro Internacional: Gestión del Riesgo Geológico” 4/26 – 4/27/2018
Arequipa, Perú. Offered by: INGEMMET, Perú

“Workshop on Volcanoes 2016 – Santiaguito Volcano” 01/03-01/12/2016
Quetzaltenango, Guatemala

“Primer Encuentro de Observatorios Vulcanológicos de Latinoamérica” 10/12 – 10/13/2015
Arequipa, Perú. Offered by: ALVO and INGEMMET.

“Foro Internacional: Gestión del Riesgo Geológico” 10/14 – 10/16/2015
Arequipa, Perú. Offered by: INGEMMET, Perú

“Developing Sustainable Networks of Women Scientists for Addressing Issues of Disasters Related to Weather and Changing Climate” 10/20 – 10/22/2014
Montego Bay, Jamaica. Workshop funded by NSF and presented by COACH, an organization founded at the University of Oregon that works to increase the number and career success of women scientists and engineers.

“Framing the Issue: A NETWORKING Workshop to Address Academic Advancement of Hispanic Women in STEM”, ADVANCE Workshop II for Women in STEM 03/06 – 03/07/2014
Sheraton Convention Center, San Juan. Networking Conference sponsored by NSF and organized by: Universidad Metropolitana and University of Maryland Baltimore County

“Developing Sustainable Networks of Women Scientists for Addressing Issues of Tectonic Hazards” 11/12 – 11/15/2012
Santiago, Chile. Workshop funded by NSF and presented by COACH.

PASI 2011 Open Vent Volcanoes Workshop, Costa Rica 01/10 – 01/23/2011
University of Costa Rica. International workshop funded by NSF's Pan-American Advanced Studies Institutes Program (PASI) through Michigan Technological University.

Using on-line volcano monitoring data in college and university courses: The Volcano Exploration Project: Pu'u 'Ō'o (VEPP) Workshop 07/26 – 07/30/2010
Hawaii Volcanoes National Park, HI. Collaborative project of the USGS Hawaiian Volcano Observatory, NASA, and the University of Hawaii at Manoa.

Professional Memberships

Asociación Latinoamericana de Volcanología (ALVO)
International Association of Volcanology and Chemistry of the Earth's Interior (IAVCEI)

Commission on the Chemistry of Volcanic Gases (IAVCEI-CCVG)
Commission of Volcanic Lakes (IAVCEI-CVL)
Ash Fall Impacts Working Group (IAVCEI)
American Geophysical Union (AGU)
Geological Society of America (GSA)
Geological Society of Puerto Rico
Society for the Advancement of Chicanos and Native Americans in Science (SACNAS)
Association for Women Geoscientists (AWG)