Eimy X. Bonilla

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EDUCATION

Harvard University, Cambridge, MA
Ph. D. Candidate in Environmental Science and Engineering | Ph. D. expected May 2022
Harvard Graduate Fellowship
Honorable mentions: Ford Fellowship and NSF Graduate Research Fellowship

Engineer-in-Training certificate, January 2016

Tufts University, Medford, MA
Bachelor of Science in Environmental Engineering, cum laude | May 2015
Earle F. Littleton Award, John A. Cataldo Scholar, Tufts Summer Scholar, Altman Family Term Scholar
Senior Thesis: "Comparison of contaminant partitioning short-chain fatty acids versus lactate as electron donor sources to support dechlorinating bacteria," high honors

EXPERIENCE

Harvard University | Cambridge, MA |
Research Assistant | John A. Paulson School of Engineering and Applied Sciences — 2017-Present

American Geophysical Union | Remote |
Community Science Fellow | Thriving Earth Exchange — 2021 – Present

Geosyntec Consultants | Acton, MA |
Environmental Engineer Technician | — 2015 - 2017

Tufts University | Medford, MA |
Senior Honors Thesis | Environmental Sustainability Lab | — 2014-2015
Research Assistant | Integrated Multiphase Environmental Systems Lab | — 2013

PUBLICATIONS & PRESENTATIONS

Marlier, M.E., **Bonilla, E.X**. and Mickley, L.J., 2020. How do Brazilian fires affect air pollution and public health? *GeoHealth*, *4*(12), p.e2020GH000331.

Bonilla, E. X.; Mickley, L.J.; Beaudon, E.G.; Thompson, L.; Schmitt, C. (2020). Quantifying the role of biomass burning in black carbon deposition on Andean glaciers. Fall 2020 American Geophysical Union meeting, virtual.

Bonilla, E. X. (2018). Fires in the Amazon Basin and their environmental impacts across South America. Year-2 Environmental Sciences and Engineering Department Presentation, Harvard University School of Engineering and Applied Sciences.

Bonilla, E. X., (2015). Comparison of contaminant partitioning short-chain fatty acids versus lactate as electron donor sources to support dechlorinating bacteria. Poster Presentation and Undergraduate Thesis at Tufts University School of Engineering, Civil and Environmental Engineering Department.

Bonilla, E. X., Capiro, N., (2014). Examining the use of partitioning electron donors for bioremediation of chlorinated solvents. Poster Presentation at Tufts Summer Scholars Research Symposium

TEACHING & OTHER RELEVANT EXPERIENCE

Harvard University | Cambridge, MA |
Resident Tutor | Harvard College Quincy House | 2019 - Present
Teaching Fellow for Intro. to Environmental Science & Engineering | 2019

Somerville Public Schools | Somerville, MA |
Substitute Teacher, Interpreter | 2011 - 2015

OUTREACH

Harvard University | Cambridge, MA |
Co-organizer, Diversity, Inclusion, and Belonging subgroup, Atmospheric Chemistry Journal Club for Atmospheric Chemistry Modeling Group 2017-Present
Member of Graduate Student Recruitment & Retention Subgroup of the Committee on Diversity, Inclusion, and Belonging in Department of Earth and Planetary Sciences/ Environmental Sciences and Engineering 2020 - Present
Outreach volunteer for School of Engineering and Applied Sciences at Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS) Conference 2018 - 2020
President, GSAS Society of Underrepresented Students in STEM 2017 - 2019
Member of School of Engineering and Applied Sciences Graduate Council 2017 - 2019

Tufts University | Medford, MA |
Member of Program Review Board of Bachelor of Science in Environmental Engineering 2013 - 2015
Member of Society of Latino Engineers and Scientists, Association of Latin American Students 2012 - 2015