

# Stanford

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## Jorge Ramos Jr

Associate Director for Environmental Education, Jasper Ridge

### Bio

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#### BIO

Dr. Jorge Ramos is the Associate Director for Environmental Education at the Jasper Ridge Biological Preserve of Stanford University. Jorge oversees the education program at Jasper Ridge that can amount to more than 8,000 educational and outreach visits a year by people from very diverse ages, interests, careers and backgrounds. He also co-teaches the Ecology and Natural History of Jasper Ridge Biological Preserve (EARTHSYS 105A) during the winter and spring quarters that immerses students in the scientific basis of ecological research in the context of a field station and multidisciplinary environmental education. He earned a Bachelor of Science degree at The University of Texas at El Paso and a Master of Science degree at University of Washington in Forest Resources. Jorge completed his PhD studies at Arizona State University in which he focused his studies in understanding the ecohydrology of spring-fed ecosystems in Mexico and in quantifying greenhouse gas fluxes of carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), and nitrous oxide (N<sub>2</sub>O) under different management strategies from a constructed treatment wetland in Arizona. Jorge is an accomplished educator and scientist with deep knowledge of freshwater and coastal wetland ecosystems, carbon cycling, environmental education and climate change science communication. After completing this PhD, Jorge worked at Conservation International in Washington DC, where he was the manager of the Blue Climate team in the Center for Oceans, a role in which he helped develop, implement, and manage coastal community conservation projects and teams worldwide.

Always including multiple international and diverse stakeholders in his research, Jorge discovered his enthusiasm for environmental science and communication and hands-on experiential teaching. Since then, in positions at University of Washington, Arizona State University, and Conservation International, he honed his skills in developing curricula, teaching at levels from K-12 to university to NGOs and governments, coordinating multimedia, and communicating environmental issues to everyone from children to policy makers at the highest levels. Fluent in Spanish as well as English, Jorge has founded and led national and international initiatives to promote the inclusion and retention of a diverse population in science, including taking on local and national-level leadership roles with Latino Outdoors, Ecological Society of America SEEDS Program, Society for Advancement of Chicanos/Hispanics and Native Americans in Science, International Network of Next-Generation Ecologists, (INNGE), NSF GK-12 Sustainability Schools Program, and Long-Term Ecological Research (LTER) network.

#### CURRENT ROLE AT STANFORD

Associate Director for Environmental Education, Jasper Ridge Biological Preserve, Stanford University

#### HONORS AND AWARDS

- Sustainability Science for Sustainable Schools Fellowship, National Science Foundation GK-12 Program (2015)
- Minority Graduate Education at Mountain States Alliance (MGE@MSA) Scholarship, Western Alliance to Expand Student Opportunities (WAESO) and National Science Foundation (2011-2016)
- National Science Foundation Graduate Research Fellowship, National Science Foundation (2011-2013)
- EcoService Award, Union of Concerned Scientists and Ecological Society of America Student Section (2011)
- Ford Foundation PreDoctoral Honorable Mention, Ford Foundation Fellowship Program (2011, 2012)

- Graduate Opportunities & Minority Achievement Fellowship, Graduate School, University of Washington (2007-2009)
- Dandoles Alas a tu Exito/Giving Flight to Your Success, Hispanic Association of Colleges and Universities (HACU)/Southwest Airlines (2008)
- SEEDS Undergraduate Research Fellowship, SEEDS, Ecological Society of America (2005)

## EDUCATION AND CERTIFICATIONS

- Ph.D., Arizona State University (2017)
- M.S., University of Washington (2011)
- B.S., University of Texas at El Paso (2006)

## SERVICE, VOLUNTEER, AND COMMUNITY WORK

- Council Member, Save the Redwoods League (3/25/2021)
- Chair, Environmental Justice Section, Ecological Society of America (1/1/2020)
- Advisory Board Member, Latino Outdoors (9/1/2019)
- Advisory Board Member, SEEDS Program, Ecological Society of America (8/12/2019)
- Mentor, SEEDS Program, Ecological Society of America (8/1/2006)
- Mentor, Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS) (8/1/2005)
- Mentor, Mentoring365, American Geophysical Union (6/1/2019)
- Mentor, Ecology + : Broadening Pathways to Ecological Careers through a Collective Impact Approach (5/1/2018 - 4/30/2019)
- Member, Coalition for Public Understanding of Science (10/17/2019)

## LINKS

- Jasper Ridge Biological Preserve: <https://jrpb.stanford.edu/>

## Professional

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### WORK EXPERIENCE

- Manager, Center for Oceans - Conservation International (2017 - 2019)

### PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Member, Society of Latinxs/Hispanics in Earth and Space Science (SOLESS) (2019 - present)
- Member, Organization of Biological Field Stations (OBFS) (2019 - present)
- Member, The International Network of Next-Generation Ecologists (INNGE) (2011 - present)
- Member, American Geophysical Union (AGU) (2010 - present)
- Member, Long Term Ecological Research Network (LTER) (2005 - present)
- Member, Society for the Advancement of Chicanos/Latinos and Native Americans in Science (SACNAS) (2004 - present)
- Member, Ecological Society of America (ESA) (2004 - present)
- Member, Strategies for Ecology Education, Diversity and Sustainability (SEEDS-ESA) (2004 - present)

## Publications

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### PUBLICATIONS

- **Five Ways to Become a Science Advocate in 2020**  
Varga, M., Ramos, J., Valorie, A.  
Medium. <https://medium.com/stem-and-culture-chronicle/five-ways-to-become-a-science-advocate-in-2020-d12d053b895>.  
2020

- **Fourteen Recommendations to Create a More Inclusive Environment for LGBTQ+ Individuals in Academic Biology** *CBE—Life Sciences Education*  
Cooper, K. M., et al  
2020
- **Y tú, de dónde eres?**  
Ramos, J.  
Bay Nature Magazine. <https://baynature.org/2020/08/19/natural-history-through-time/>.  
2020
- **Tidal Saltmarshes** *Nature's Solutions to Climate Change*  
Ramos, J.  
CEMEX Nature, <http://www.cemexnature.com/libro/natures-solutions-to-climate-change/.2019>
- **Consumption explains intraspecific variation in nutrient recycling stoichiometry in a desert fish** *ECOLOGY*  
Moody, E. K., Carson, E. W., Corman, J. R., Espinosa-Perez, H., Ramos, J., Sabo, J. L., Elser, J. J.  
2018; 99 (7): 1552–61
- **Foundations and Frontiers of Ecosystem Science: Legacy of a Classic Paper (Odum 1969)** *ECOSYSTEMS*  
Corman, J. R., Collins, S. L., Cook, E. M., Dong, X., Gherardi, L. A., Grimm, N. B., Hale, R. L., Lin, T., Reichmann, L. G., Sala, O. E.  
2018: 1-13
- **Maximising return on conservation investment in the conterminous USA.** *Ecology letters*  
Withey, J. C., Lawler, J. J., Polasky, S. n., Plantinga, A. J., Nelson, E. J., Kareiva, P. n., Wilsey, C. B., Schloss, C. A., Nogeire, T. M., Ruesch, A. n., Ramos, J. n., Reid, W. n.  
2012; 15 (11): 1249–56
- **Ecological Society of America's Initiatives and Contributions during the Deepwater Horizon Oil Spill** *BULLETIN OF THE ECOLOGICAL SOCIETY OF AMERICA*  
Ramos, J., Lymn, N., Salguero-Gomez, R., Power, M.  
2012; 93 (2): 115-116
- **The next generation of peer reviewing** *FRONTIERS IN ECOLOGY AND THE ENVIRONMENT*  
Zimmerman, N., Salguero-Gomez, R., Ramos, J.  
2011; 9 (4): 199-199
- **Special Session 5 Student Diversity: Trail Blazers in Transforming the Culture of Ecology** *BULLETIN OF THE ECOLOGICAL SOCIETY OF AMERICA*  
Mourad, T., Rino, R., Berkowitz, A. R., Finley, A., Ramos, J.  
2009; 90 (1): 103-108
- **SEEDS of a New Millennium** *BULLETIN OF THE ECOLOGICAL SOCIETY OF AMERICA*  
Wong, C., Baquera, N., Colon-Rivera, R., Machona, B., McLaughlin, C., Ramos, J., Rivera, A., Sanfiorenzo, C., Face-Collins, M. S., Tooke, T., Vasquez-Radonic, L., Vickery, K.  
2006; 87 (3): 225-228