

ADRIANA A. ZUNIGA-TERAN

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School of Geography, Development & Environment
Udall Center for Studies in Public Policy
University of Arizona
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EDUCATION

- Ph.D. 2015 University of Arizona, Tucson, AZ.
Arid Lands Resource Sciences and minor in Global Change. Graduate Interdisciplinary Programs. *Advisors:* R.H. Gimblett and B. Orr.
Dissertation: From Neighborhoods to Wellbeing and Conservation; Enhancing the Use of Greenspace through Walkability.
Committee: R.H. Gimblett, B. Orr, S. Marsh, N. Chalfoun, P. Guertin.
- M.S. 2010 University of Arizona, Tucson, AZ.
Architecture with a concentration in Design and Energy Conservation.
Thesis: To develop a sustainable community at Starr Pass in Tucson, Arizona according to the LEED-ND guidelines.
Committee: N. Chalfoun, B. Jeffery, M. Hardin.
- B.A. 1989 Monterrey Institute of Technology and Higher Education (ITESM) — Monterrey, Mexico.
Architecture.

EMPLOYMENT

- 2022 – present Assistant Professor (joint appointment), School of Geography, Development & Environment, and Udall Center for Studies in Public Policy, University of Arizona
- 2019 – 2021 Assistant Research Scientist (joint appointment), Urban Planning Department, School of Landscape Architecture and Planning, and Udall Center for Studies in Public Policy, University of Arizona.
- 2017 – 2018 Staff Scientist/ Senior Lecturer (joint appointment), Udall Center for Studies in Public Policy, and the School of Landscape Architecture and Planning, University of Arizona.
- 2015 – 2017 Postdoctoral Research Associate/Lecturer (joint appointment), Udall Center for Studies in Public Policy, and the School of Landscape Architecture and Planning, University of Arizona.
- 2015 Research Specialist, Institute of the Environment, University of Arizona.
- 2014 – 2015 Graduate Research Associate, Institute of the Environment, University of Arizona.
- 2012 – 2013 Graduate Teaching Assistant, Graduate Interdisciplinary Programs, University of Arizona.
- 2011 – 2012 Office Specialist. International Student Services, University of Arizona.
- 2011 Spanish Instructure, Graduate and Professional Student Council, University of Arizona.
- 2009 Tutor, Strategic Alternative Learning Techniques (SALT) Center, University of Arizona.

- 2006 – 2007 Adjunct Lecturer, Universidad La Salle del Noroeste & Instituto Tecnológico de Cajeme, Obregon, Mexico.
- 2002 – 2006 Architectural Designer, Proyectos y Construcciones del Noroeste. Obregon, Mexico.
- 1992 Architectural Designer, Constructora y Urbanizadora de Monterrey S.A. — Monterrey, México.
- 1991 Architectural Designer, Despacho de Diseño Camargo y Amador — Monterrey, México.
- 1989 – 1991 Architectural Designer, Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM), Campus Eugenio Garza Sada, Monterrey, Mexico.
- 1989 – 1991 High School Teacher (Bicultural Program), Monterrey Institute of Technology and Higher Education (ITESM), Campus Eugenio Garza Sada, Monterrey, Mexico.

ACADEMIC AFFILIATIONS

- 2022 – present University of Arizona, School of Landscape Architecture and Planning
- 2019 – present University of Arizona, Center of Latin American Studies.
- 2016 – present University of Arizona, Graduate Interdisciplinary Programs, Arid Lands Resource Sciences.
- 2019 University of Arizona, Hispanic Serving Institution Fellow.

HONORS & AWARDS

- 2021 Nominated by the College of Architecture, Planning and Landscape Architecture to the “Richard Ruiz Diversity Leadership Faculty Award” for working with Hispanic communities around greening efforts and community outreach.
- 2020 Best Paper Award in 2018 – *Water International*
- 2019 Honorary Award. Arizona Chapter American Society of Landscape Architects. Project title: Green infrastructure for social justice: Retrofitting a high school in south Tucson. University of Arizona student team designed the campus for Star Academic High School. Co advisors: Bo Yang, Adriana Zuniga, Joaquin Murrieta, Andrea Gerlak.
- 2019 Hispanic Serving Institution Fellow. Office of the Provost, University of Arizona.
- 2019 Recognition for the Star Academic High School project. Awarded by the Sunnyside Unified School District, Tucson, AZ
- 2017 Honorary mention – 2016 Best Paper Award, International Water Resources Association.
- 2014 Arid Lands Resource Sciences Merit Award, University of Arizona.
- 2014 Graduate Fellowship. Graduate College, University of Arizona.
- 2014, 2013 The William A. Calder III Memorial Scholarship, Department of Ecology and Evolutionary Biology, University of Arizona.
- 2013 Poster Award. Student Showcase: Arid Lands Resource Science event. University of Arizona.
- 2013 Poster Award. Student Showcase: Graduate Professional Student Council. University of Arizona.
- 2013 Gloria Barron Scholarship. The Wilderness Society.
- 2012 Outstanding Graduate Teaching Assistant. Graduate Interdisciplinary Programs, University of Arizona.
- 2010 Earth Fellowship. The Institute of the Environment, University of Arizona.
- 2010 CALA Portfolio Competition Award. Arizona Builders Alliance.
- 2009 Outstanding Student Award. Sustainable Design and the LEED Initiative class, College of Architecture, University of Arizona.

2008-2013 CONACYT Scholarship. Mexican Government.

PUBLICATIONS

PEER-REVIEWED JOURNAL ARTICLES

- 2021 **Zuniga-Teran, A.A.**, Fisher, L.A., Meixner, T., Le Tourneau, F-M., Postillion, F. (Accepted). Stakeholder Participation, Indicators, Assessment, and Decision Making: Applying Adaptive Management at the Watershed Scale. *Environmental Monitoring and Assessment*.
- 2021 **Zuniga-Teran, A.A.**, Tortajada, C. (Accepted). Water demand management policies and their effects on water usage: The case of Tucson, Arizona. *Water Utility Journal*.
- 2021 De Vito, L., Staddon, C., Ward, S., **Zuniga-Teran, A.A.**, Gerlak, A. [Aligning green infrastructure to sustainable development: Geographical contributions to an ongoing debate](#). *Area*.
- 2021 **Zuniga-Teran, A.A.**, Gerlak, A.K., Elder, A., Tam, A. [The unjust distribution of urban green infrastructure is just the tip of the iceberg: A systematic review of place-based studies](#). *Environmental Science and Policy*, Vol. 126. Pp. 234-245.
- 2021 Garfin, G., Falk, D., O'Connor, C., Jacobs, K., Sagarin, R., Haverland, A., Haworth, A., Baglee, A. Weiss, J., Overpeck, J., **Zuniga-Teran, A.** [A new mission: mainstreaming climate adaptation in the US Department of Defense](#). *Climate Services*. Vol. 22.
- 2021 Gerlak, A.K., Elder, A., Sanderford, A., **Zuniga-Teran, A.A.**, Pavao-Zuckerman, M. [Agency and Governance in Green Infrastructure Policy Adoption and Change](#). *Journal of Environmental Policy and Planning*.
- 2021 Gerlak, A.K., Elder, A., Thomure, T., Shipek, C., **Zuniga-Teran, A.**, Pavao-Zuckerman, M., Gupta, N., Mastler, M., Berger, L., Henry, A.D., Yang, B., Murrieta-Saldivar, J., Meixner, T. [Green infrastructure: Lessons in governance and collaboration from Tucson](#). *Environment: Science and Policy for Sustainable Development*, Vol. 63, issue 3.
- 2020 Crosson, C.; Achilli, A.; **Zuniga-Teran, A.**; Mack, E.; Albrecht, T.; Shrestha, P.; Boccelli, D.; Cath, T.; Daigger, G.; Duan, J.; Lansey, K.; Meixner, T.; Pincetl, S.; Scott, C. A. [Net Zero Urban Water from Concept to Applications: Integrating Natural, Built and Social Systems for Responsive and Adaptive Solutions](#). *ACS Environmental Science & Technology, Water*.
- 2020 Scott, C.A., Zilio, M.I., Perillo, G.M.E., **Zuniga-Teran, A.A.**, Harmon, T. Escobar Jaramillo, J., Diaz Caravantes, R., Meza, F., Martin, F., Ribero Neto, A., Piccolo, M.C., Rusak, J., Varady, R.G., Pineda, N., Hoyos, N., Mussetta, P., Velez, M.I., Montenegro, S., Reid, B. [Do ecosystem insecurity and social inequity lead to failure of water security? A synthesis of CRNH projects funded by the Inter American Institute for Global Change Research](#). Special issue in *Environmental Development*.
- 2020 Lutz-Ley, A.N., Scott, C.A., Wilder, M., Ocampo-Melgar, A., Lara-Valencia, F., **Zuniga-Teran, A.A.**, Buechler, S., Diaz-Caravantes, R., Varady, R., Ribeiro Neto, A., Pineda Pablos, N., & Martin, F. [Dialogic science-policy networks for water security governance in the arid Americas](#). *Environmental Development* Special issue organized by the Inter American Institute for Global Change Research.
- 2020 **Zuniga-Teran, A.A.**, Mussetta, P. Lutz-Ley, A.N., Diaz-Caravantes, R.E., Gerlak, A.K. [Analyzing water policy impacts on vulnerability: Cases across the rural-urban continuum in the arid Americas](#). *Environmental Development*. Special issue organized by the Inter American Institute for Global Change Research.
- 2020 Gerlak, A.K., and **Zuniga-Teran, A.A.** [Addressing injustice in green infrastructure through socio-ecological practice: What is the role of university-community partnerships?](#) *Socio-Ecological Practice Research*, 2: 149-159.

- 2020 Varady, R.G., Gerlak, A.K., Mayer, B.M., Albrecht, T., Lemos, M.C., **Zuniga-Teran, A.A.**, Wilder, M.O., Mukherjee, A., Ernst, K.C. [The exigencies of transboundary water security: Insights on community resilience](#). *Current Opinion in Environmental Sustainability*, Vol. 44. Pp.74-84. Special Issue: Resilience and Complexity: Frameworks and Models to Capture Social-Ecological Interactions.
- 2020 Wilder, M., Varady, R.G., Gerlak, A.K., Mumme, S., Flessa, K., **Zuniga-Teran, A.A.**, Scott, C., Pineda Pablos, N., Megdal, S. [Hydrodiplomacy and adaptive governance at the U.S.-Mexico border: 75 years of tradition innovation in transboundary water management](#). *Environmental Science and Policy*, 112: 189-202.
- 2020 **Zuniga-Teran, A. A.**, Gerlak, A.K., Mayer, B., Evans, T.P. and Lansey, K.E. [Urban resilience and green infrastructure systems: Towards a multidimensional evaluation](#). *Current Opinion in Environmental Sustainability* – Resilience and Complexity: Frameworks and Models to Capture Social-Ecological Interactions, edited by Christopher Scott, and François-Michel Le Tourneau. Vol. 4. Pp. 42-47.
- 2020 Blanchon, D., Keck, F., Tonnelat, S., Le Tourneau, F-M., and **Zuniga-Teran, A.** [Sentinel Territories: A new concept to look at environmental change](#). *Metropolitics*.
- 2020 Diaz-Caravantes, R.E., **Zuniga-Teran, A.A.**, Martin, F., Bernabeu, M.M., Scott, C.A., Stoker, P. [Urban water security: A comparative study of cities in the arid Americas](#). *Environment and Urbanization*, 3(1): 275-294.
- 2019 **Zuniga-Teran, A.A.**; Stoker, P.; Gimblett, R.H.; Orr, B.J.; Marsh, S.E.; Guertin, D.P.; Chalfoun, N.V. [Exploring the influence of neighborhood walkability on the frequency of use of greenspace](#). *Landscape and Urban Planning*, 190.
- 2019 Ward, S., Staddon, C., De Vito, L., **Zuniga-Teran, A.**, Gerlak, A., Schoeman, Y., Hart, A., Booth, G. [Embedding social inclusiveness and appropriateness in engineering assessment of green infrastructure to enhance urban resilience](#). *Urban Water Journal*.
- 2019 **Zuniga-Teran, A.A.** and Gerlak, A.K. [A multidisciplinary approach to analyzing questions of justice issues in urban greenspace](#). *Sustainability*, 11, 3055.
- 2019 **Zuniga-Teran, A.A.**, Staddon C., De Vito, L. Gerlak, A.K., Ward, S., Schoeman, Y., Hart, A., Booth, G. [Challenges for mainstreaming green infrastructure in built environment professions](#). *Journal of Environmental Planning and Management*.
- 2018 Scott, C.A., Albrecht, T., Routson de Grenade, R., **Zuniga-Teran, A.A.**, Varady, R.G., Thapa, B. (**Best Paper Award**). [Water security and the pursuit of food, energy, and earth system resilience](#). *Water International*.
- 2018 Albrecht, T., Varady, R.G., **Zuniga-Teran, A.A.**, De Grenade R., Lutz-Ley A., Martin, F., Megdal, S.B., Meza, F., Ocampo-Melgar, D., Pineda, N., Rojas, F., Taboada, R., Willems, B. [Unraveling transboundary water security in the arid Americas](#). *Water International*.
- 2018 Staddon, C., Ward, S., De Vito, L., **Zuniga-Teran, A.**, Gerlak, A., Schoeman, Y., Hart, A., Booth, G. [Contributions of green infrastructure to enhancing urban resilience](#). *Environment, Systems and Decisions*.
- 2018 Gerlak, A.K.; House-Peters, L.; Varady, R.G.; Albrecht, T.; **Zuniga-Teran, A.A.**; Cook, C.; Routson de Grenade, R.; Scott, C.A. [Water security: A critical review of place-based studies](#). *Environmental Science and Policy*, 82. 79-89.
- 2018 Petersen-Perlman, J.D., Megdal, S.B., Gerlak, A.K. Wireman, M., **Zuniga-Teran, A.A.**, Varady, R.G. [Critical issues affecting groundwater quality governance and management in the United States](#). *Water* 10(6), 735.
- 2017 Albrecht, T., Varady, R.G., **Zuniga-Teran, A.A.**, Gerlak, A.K., Staddon, C. [Governing a shared hidden resource: A review of governance mechanisms for transboundary groundwater security](#). *Water Security*, Vol. 2 Pp. 43-56.

- 2017 **Zuniga-Teran, A.A.** ; Orr, B.J.; Gimblett, R.H.; Chalfoun, N.V.; Guertin, D.P.; Marsh, S.E. [Neighborhood design, physical activity, and wellbeing: Applying the Walkability Model.](#) *International Journal of Environmental Research and Public Health*, 14,76: doi:10.3390/ijerph14010076.
- 2017 **Zuniga-Teran, A.A.** ; Orr, B.J.; Gimblett, R.H.; Chalfoun, N.V.; Marsh, S.E.; Guertin, D.P.; Going, S.B. [Designing healthy communities: Testing the walkability model.](#) *Frontiers of Architectural Research.* Vol. 6, No. 1. Pp. 63-73.
- 2016 Varady R.G., **Zuniga-Teran, A.A.**; Garfin, G.M.; Martin, F.; Vicuña, S. [Adaptive management and water security in global context: Definitions, concepts, and examples.](#) *Current Opinion in Environmental Sustainability* special issue “Environmental Change and Assessment” edited by M. Wilder, G. Garfin, and R. Merideth. Vol. 21. Pp. 70-71.
- 2016 **Zuniga-Teran, A.A.**; Orr, B.J.; Gimblett, R.H.; Going, S.B.; Chalfoun, N.V.; Guertin, D.P.; Marsh, S.E. [Designing healthy communities: A walkability analysis on LEED-ND.](#) *Frontiers in Architectural Research.*
- 2016 Varady, R.G.; **Zuniga-Teran, A.A.**; Gerlak, A.K.; Megdal, S.B. [Modes and approaches of groundwater governance: A survey of lessons learned from selected cases across the globe.](#) In special issue “Water Governance, Stakeholder Engagement, and Sustainable Water Resources management,” ed. By S. Megdal, S. Eden, and E. Shamir. *Water*, 417 (24pp), DOI: 10.3390/w8100417.
- 2016 Wilder, M., Aguilar Barajas, I., Pineda Pablos, N., Varady, R., Megdal, S., McEvoy, J., Merideth, R., **Zuniga-Teran, A.**, Scott, C. (**Honorary Award**). [Desalination and water security in the US-Mexico border region: Assessing the social, environmental, and political impacts.](#) *Water International*, 41:5, 756-775, DOI: 10.1080/02508060.2016.1166416.
- 2016 Pasqual, J.C., Peon Anaya, R., Lutz-Ley, A., **Zuniga-Teran, A.A.**, Peralta Lugo, Y. & Mejia Santellanes, J.A. COP21-CM11 Implications over Renewable Energy: Challenges to meet committed carbon emission reductions in Brazil and Mexico. *Desenvolvimento e Meio Ambiente*, 37: 31-46.

PEER-REVIEWED ARTICLES IN REVIEW

Ocampo-Melgar, A., Lutz-Ley, A., **Zuniga-Teran, A.**, Cerda, C., Goiran, S. (In review). Desafíos para el Desarrollo sostenible en las zonas áridas de Latinoamérica (Sustainable development challenges for Latin American drylands). Submitted to *Mètode Science Studies Journal*. Special Issue *Drylands*.

Armenta-Ramirez, I. S., Reyes- Castro, P. A., **Zuniga-Teran, A.A.**, Olmedo-Munoz, M. (In review). The urban structure and pedestrian injuries: A typological analysis of pedestrian crashes in a Mexican city . Submitted to *Journal of Transport and Health*.

NOT PEER-REVIEWED ARTICLES

- 2017 **Zuniga-Teran, A.A.** and Lutz-Ley, A. ¿Es la desalinización una opción sustentable para México? (Is desalination a sustainable option for Mexico?) (2017). *Ingeniería Civil*. Colegio de Ingeniería Civil de México.
- 2016 Pineda Pablos, N.; **Zuniga-Teran, A.A.** Planeación por escenarios para la seguridad hídrica (Scenario planning for water security). *Agua y Saneamiento*. No. 67. Pp. 60-61.
- 2015 **Zuniga-Teran, A. A.**, Diaz-Caravantes, R.E. (2015). La infraestructura verde: una estrategia de adaptación al cambio climático (Green infrastructure: a climate change adaptation strategy). *Agua y Saneamiento*. No. 63. Pp. 89-91.

CHAPTERS IN SCHOLARLY BOOKS

- 2021 Varady, R.G., Albrecht, T.R., Gerlak, A.K., Staddon, C., and **Zuniga-Teran, A.A.** (2021). The water security discourse and its main actors. In the “Handbook of Water Resources Management” edited by Bogardi, J.J., Wasantha Nandalal, K.D., van Nooyem, R.R.P., and Bhaduri, A. and Kolechkina A.G. Springer.
- 2019 **Zuniga-Teran, A.A.** and Staddon, C. Chapter 13: [Tucson, Arizona – A story of “water resilience” through diversifying water sources, demand management, and ecosystem restoration.](#) In “Resilient Water Services and Systems: The Foundations of Well-Being” edited by Juuti, P., Mattile, H., Rajala, R., Schwartz, K., and Staddon, C. IWA Publishing.
- 2019 **Zuniga-Teran, A.A.** “Walkable Neighborhoods.” In Chapter 15 – Urban ecology and modern life. In “Environmental Ethics: What Really Matters, What Really Works” by Schmitz, D., Shahar, D.C. (eds.). Third Edition. New York: Oxford University Press.
- 2019 **Zuniga-Teran, A.A.** “Urban ecology.” In Chapter 15 – Urban ecology and modern life. In “Environmental Ethics: What Really Matters, What Really Works” by Schmitz, D., Shahar, D.C. (eds.). Third Edition. New York: Oxford University Press.
- 2017 **Zuniga-Teran, A.A.** [Green infrastructure in walkable neighborhoods: A climate change adaptation strategy for cities in drylands.](#) Book chapter in “Climate change sensitive cities: building capacities for urban resilience, sustainability, and equity” by Delgado Ramos, G.C. (Ed.). Mexico: PINCC, UNAM.
- 2017 Megdal, S.B.; **Zuniga-Teran, A.A.**; Delano, N.; Varady, R.G.; Gerlak, A.K. and Vimont, E.T. [Groundwater governance in the United States: A Mosaic of approaches.](#) Book chapter in *Advances in Groundwater Governance*, ed. by Villholth, K., Lopez-Gunn, E., Conti, K., Garrido, and van Der Gun, J. Delft: CRC Balkema. Pp 483-510.

CONFERENCE PROCEEDINGS

- 2021 **Zuniga-Teran, A.**, Lara-Valencia, F., Norman, L., Murrieta, J. Buechler, S. “[Hydrodiplomacy in Ambos Nogales: Lessons learned from binational water management.](#)” In *Sustainable Development for the Americas*, edited by Colglazier, E.W., Vafai, H.A., Lansey, K.E., Bryson, M.D. Panel presented at the Science Diplomacy Conference. Tucson, AZ Oct. 24-25.
- 2021 Cordova, A., **Zuniga-Teran, A.**, Sproul, J. “[Forging Sister Wetlands in El Paso, Texas and Ciudad Juárez, Mexico: Urban Transboundary Conservation and Restoration on the U.S-Mexico Border.](#)” In *Sustainable Development for the Americas*, edited by Colglazier, E.W., Vafai, H.A., Lansey, K.E., Bryson, M.D. Paper presented at the Science Diplomacy Conference. Tucson, AZ Oct. 24-25.
- 2018 **Zuniga-Teran, A.A.** Wellbeing synergies between walkable neighborhoods and the enhanced use of greenspace. Paper presented at 55th International Making Cities Livable conference. Ottawa, Canada. May 17.
- 2017 **Zuniga-Teran, A.A.** The impacts of neighborhood design on physical activity and wellbeing. Paper presented at the 54th International Making Cities Livable Conference. Santa Fe, New Mexico. Oct. 5.
- 2017 **Zuniga-Teran, A.**, Lutz-Ley, A., Peon, R. Pasqal, J., Peralta, Y. “Planning for desalination: a comparative case study.” Paper presented by **Zuniga-Teran, A.A.** and Lutz-Ley, A.N. at the XVI World Water Congress. Cancun, Mexico. May 31.
- 2016 Gerlak, AK; House-Peters, L; Albrecht, T; Cook, C; Routson de Grenade, R; Scott, CA; Varady, RG & **Zuniga Teran, AA.** Water security: A critical review of recent studies. Presented at annual meeting of International Studies Association, Atlanta, GA. Mar. 17.

PROFESSIONAL REPORTS

- 2021 Lara-Valencia, F. Norman, L.M., García-Pérez, H., Díaz-Montemayor, G., López, C., García, M., Rodriguez Estrella, M.A., **Zúñiga-Terán, A.**, Castellanos, E., Schwartz, P., Lundell, T., Anides Morales, A., and Rodriguez Ponce, O.A. Sustainable Strategies for Stormwater and Combined Sewer Overflows Control in Ambos Nogales. Funded by the US-Mexico Border 2020 Program through the Environmental Protection Agency, the North American Development Bank, and the Arizona Department of Environmental Quality. 32pp.
- 2020 **Zuniga-Teran, A.**, Schwartz, P., Rodriguez Ponce, O.A. A regulatory framework for green infrastructure in Ambos Nogales. Submitted to ASU partners as part of the project titled “Sustainable Strategies for Stormwater and Combined Sewer Overflows Control in Ambos Nogales.” Funded by the US-Mexico Border 2020 Program. May 18.
- 2020 **Zuniga-Teran, A.A.** Water Demand Management in Tucson, Arizona. Report prepared for the National University of Singapore. 53 pp.
- 2019 Garcia Ochoa, R., Scott, C., **Zuniga, A.**, Cervera, L., Buechler, S. Peña, S., Muñan, J., Martinez, K. [“Evaluación del Impacto Transfronterizo de Proyectos de Infraestructura de Saneamiento en Ambos Nogales”](#) (Evaluation of the transboundary impacts of the wastewater treatment infrastructure projects in Ambos Nogales). Final Report submitted to the North American Development Bank. Contract No. CONTA18-005. Project timeline from March 2018 to March 2019.
- 2018 **Zuniga-Teran, A.** and Gerlak, A. Project Evaluation: Airport Wash Green Infrastructure Demonstration Project at the New Hope – Nueva Esperanza Church in Tucson, AZ. Project evaluation submitted to the Sonoran Institute, funded by the Royal Bank, Canada.
- 2017 **Zuniga-Teran, A.A.**, Fisher, L., Meixner, T., MacFarlin, S. Robertson, T. State of the health of the Cienega Watershed: Using indicators and adaptive management to sustain one of the last perennial streams of Southern Arizona. First Report prepared for the Cienega Watershed Partnership. 88pp.
- 2017 Staddon, C.; De Vito, L.; **Zuniga-Teran, A.A.**; Schoeman, Y.; Hart, A.; Booth, G. [“Contributions of green infrastructure to urban resilience.”](#) The resilience shift - Agenda setting scoping studies. Report elaborated by the consortium between the University of the West of England, University of Arizona, Monash South Africa University, Arcadis, University of Science and Technology, Beijing, China.
- 2015 Garfin, G., Sagarin, R., Falk, D., Haworth, A., Jacobs, K., Overpeck, J., O’Connor, C., Weiss, J., **Zuniga-Teran, A.** Climate change impacts and adaptation on Southwestern DoD Facilities. Report presented by Project RC-2232 for the Strategic Environmental Research and Development Program. Department of Defense.

DISSERTATION AND THESIS

- 2015 Zuniga-Teran, A.A. Dissertation: From neighborhoods to wellbeing and conservation: Enhancing the use of greenspace through walkability. Tucson, Arizona: University of Arizona. 324p.
- 2010 Zuniga Teran, A.A. Master's Thesis: To develop a sustainable community at Starr Pass in Tucson, Arizona according to the LEED -for Neighborhood Development guidelines. University of Arizona.

BLOGS

- 2019 **Zuniga, A** and Gerlak, A. [Engagement at Star Academic High School continues. Tucson Verde Para Todos.](#) Udall Center for Studies in Public Policy.
- 2019 **Zuniga, A.** [Sunnyside Unified School District recognizes the work of Tucson Verde Para Todos.](#) Tucson Verde Para Todos project. Udall Center for Studies in Public Policy.

- 2019 **Zuniga, A.** [New bus shelter at Star Academic High School. Tucson Verde Para Todos project.](#) Udall Center for Studies in Public Policy.
- 2019 **Zuniga-Teran, A.** [Andean city is a model for water infrastructure and green space.](#) Public Square, a CNU Journal.
- 2019 **Zuniga-Teran, A.** [Green Mendoza and its acequias:](#) A Mexican architect's impressions of urban greenspace in an Andean Argentine city. Udall Center for Studies in Public Policy.
- 2018 **Zuniga-Teran, A.** and Gerlak, A. [UA team receives funding](#) to address the environmental injustice around green infrastructure at local high school in Tucson, Arizona. Tucson Verde Para Todos project. Udall Center for Studies in Public Policy.
- 2018 Video Blog. **Zuniga-Teran, A.** [Cienega Creek Watershed Management.](#) Udall Center for Studies in Public Policy.
- 2018 **Zuniga, A.** UA [Master's in Landscape Architecture students present their landscape design.](#) Tucson Verde Para Todos project. Udall Center for Studies in Public Policy.
- 2018 **Zuniga-Teran, A.** and Gerlak, A. [Community engagement for green infrastructure in Tucson, Arizona.](#) Tucson Verde Para Todos project. Udall Center for Studies in Public Policy.
- 2017 Gerlak, A., and **Zuniga-Teran, A.** [Sharing our research on green infrastructure and community engagement with communities in Ayacucho, Peru.](#) Tucson Verde Para Todos project. Udall Center for Studies in Public Policy.
- 2017 **Zuniga-Teran, A.A.** [State of the Watershed:](#) Using indicators and adaptive management to sustain one of the last perennial streams in Southern Arizona. International Water Security Network. May 15.
- 2017 **Zuniga-Teran, A.A.** and Gerlak, A.K. [Enhancing resilience in cities:](#) from grey to green infrastructure. International Water Security Network. May 17.
- 2017 **Zuniga-Teran, A.A.** [How your neighborhood may impact your health and wellbeing.](#) International Water Security Network. Mar. 15.
- 2017 **Zuniga-Teran, A.** and Gerlak, A. [Engaging low-income communities in the development of a greenway in Tucson, Arizona.](#) International Water Security Network.
- 2016 **Zuniga-Teran, A.** [How are water security and adaptive capacity measured?](#) IWSN researchers produce special issue of 'Current Opinion in Environmental Sustainability'. International Water Security Network. Feb. 13.
- 2016 **Zuniga-Teran, A.** [IWSN helps bring water professionals to the International Water Governance Workshop in Argentina.](#) International Water Security Network. Dec, 07.
- 2016 Pineda, N.; **Zuniga-Teran, A.** [Impressions of Mendoza, Argentina.](#) International Water Security Network.
- 2016 Albrecht, T; **Zuniga-Teran, A.A.** [Diversity as a key elements of natural resource resilience: Water and energy, with examples from the Middle East and Asia.](#) International Water Security Network.
- 2016 **Zuniga-Teran, A.A.;** Albrecht, T. [Diversity as a key element of urban resilience.](#) Online: International Water Security Network. Aug 2.
- 2016 **Zuniga-Teran, A.A.;** Lutz-Ley, A.; Peralta, Y.; Varady, R.G.; Scott, C.A. [Scenario planning for future water security in Hermosillo Mexico.](#) International Water Security Network. Apr. 27.
- 2016 **Zuniga-Teran, A.A.;** Merideth, R.; Scott, C.; Varady, R.G. [Resilience in an uncertain future: Part 2.](#) International Water Security Network. Apr. 5.
- 2016 **Zuniga-Teran, A.A.;** Merideth, R.; Scott, C.; Varady, G. [Resilience in an uncertain future: Part 1.](#) International Water Security Network. Feb. 22.
- 2015 **Zuniga-Teran, A.** [Among paradoxes and surrealism: A workshop on climate change adaptation in urban settlements.](#) International Water Security Network. Dec. 9.
- 2015 **Zuniga-Teran, A.** [Water security workshop in Hermosillo, Mexico.](#) International Water Security Network. Sept. 2.

2015 **Zuniga-Teran, A.** [IWSN annual meeting takes place in Tucson, Arizona.](#) International Water Security Network. Oct. 20.

GRANTS & CONTRACTS

UNIVERSITY GRANTS

2021 – 2022 **Principal Investigator.** “Community engagement for a river restoration project to enhance resilience in Nogales, Arizona”. Arizona Institutes for Resilience – TRIF/WEES Initiative. Amount \$59,598. November 1, 2021 – October 31, 2022.

Principal Investigator. “Evaluating the impacts of the Corralitos Landfill on the quality of life of the residents of Las Cruces and Dona Ana County.” Invited proposal. North American Development Bank. UA Account 4222810. Amount \$84,152.55. 05/2021-05/2022.

Co-Principal Investigator. “Green Infrastructure in Hot Dry Climates: An Educational Endeavor in Urban Spaces Facing Vulnerability”. *100,000 Strong in the Americas (100K) Innovation Fund* at Partner of the Americas and the Bureau of Western Hemisphere Affairs at the U.S. Department of State. Proposal led and submitted by partners at the Universidad de Sonora. Amount \$25,000. Sept. 2021- May, 2022.

2021 **Senior Personnel.** “Building Resilience: A University-Community Partnership to Develop a Green Stormwater Infrastructure Maintenance Protocol for Tucson, Arizona” Funded by UA’s Research, Innovation & Impact and the Arizona Institutes of Resilience (AIR). Amount \$80,799. 02/2021, 07/2021.

2020 – 2021 **Principal Investigator.** “Green infrastructure for stormwater management in NW Hermosillo, Mexico: Soil recognition and site design.” Funding provided by CAZMEX – Consortium for Arizona – Mexico Arid Environments. UA Account 4248433. Award amount \$44,211. 05/01/2020 – 04/30/2022 (no cost extension).

Co-Principal Investigator. Project titled: “Sustainable strategies for stormwater and CSOs control in Ambos Nogales” funded by Border 2020 US-Mexico Border Environmental Program. Project led by Prof. Francisco Lara-Valencia from Arizona State University. Award amount for the University of Arizona is \$12,957. 01/01/2020 to 06/30/2021.

Senior Personnel. Project titled “Tipping point and sentinels: Monitoring, interpreting and managing environmental changes in Southern Arizona” funded by UMI-iGlobes. Award amount \$20,000. 02/28/2020-06/30/2021.

2019 – 2020 **Principal Investigator.** Seed funding provided by Research, Discovery and Innovation at the University of Arizona for the project titled “Developing an outreach model for green infrastructure to address flooding and sewage spills in Ambos Nogales.” Project in collaboration with Arizona State University, Colegio de la Frontera Norte Nogales, and Watershed Management Group. Award amount \$7,500 from 07/01/2019 to 09/30/2020.

Principal Investigator. Grassroots Seed Grant - funding provided by the College of Architecture, Planning and Landscape Architecture, University of Arizona, to engage community members in a high school of a low-income neighborhood of Tucson to increase green infrastructure. Project titled “Developing an outreach model to address environmental justice through greening efforts.” Award amount \$4,000. Aug. 2019 to May 2020.

Principal Investigator. With funding from the University of Arizona Green Fund, we will design, implement and evaluate a green infrastructure project at STAR Academic High School. The research project is titled “Addressing environmental injustice around green

infrastructure in Tucson, Arizona.” Award amount \$25,025. Apr. 2018 to Apr. 2019, extended to Dec. 2020.

2017 – 2018 **Co-Principal Investigator.** Agnese Nelms Haury Program in Environmental and Social Justice Seed Grant. Project titled: “Engaging low-income, underserved communities in a neighborhood greenway: A community-university partnership for project design, implementation and evaluation.” UA Account # 5541403. Award amount \$79,154. Jan. 1, 2017 to Dec. 31, 2018.

NON-UNIVERSITY GRANTS

2021 – 2022 **Co-Principal Investigator.** “Green Infrastructure in Hot Dry Climates: An Educational Endeavor in Urban Spaces Facing Vulnerability”. *100,000 Strong in the Americas (100K) Innovation Fund* at Partner of the Americas and the Bureau of Western Hemisphere Affairs at the U.S. Department of State. Proposal led and submitted by partners at the Universidad de Sonora. Amount \$25,000. Sept. 2021- May, 2022.

Principal Investigator. “Evaluating the impacts of the Corralitos Landfill on the quality of life of residents in Las Cruces and Doña Ana, NM”. Funded by the North American Development Bank. UA Account 4222810. Amount \$84,153. 05/2021-05/2022.

2020 **Principal Investigator.** Analysis of water policies to reduce demand in Tucson, AZ. National University of Singapore. Amount \$10,000. May – Aug.

2020 – present **Co-Principal Investigator.** Project titled “Building capacity to assess watershed health, water quality, and the anticipated impacts of the Rosemont Mine in Southern Arizona” funded by UMI-iGlobes. Award amount \$20,000. 02/28/2020-06/30/2022.

2018 – 2019 **Principal Investigator.** With funding from the North American Development Bank, we partnered with El Colegio de la Frontera Norte Nogales (COLEF) for the project titled “Evaluation of the transboundary impact of wastewater infrastructure project in Ambos Nogales.” Contract No. CONTA18-005. Award amount \$25,000. May 1, 2018 to Jun. 30, 2019.

2017 **Co-Principal Investigator.** With funding from the Sonoran Institute, we evaluate the success of the research project titled “Green infrastructure in New Hope Santa Clara Church along Airport Wash.” Award amount \$5,000. Apr. to Dec.

Co-Principal Investigator. ARUP Joint Program on Resilience Engineering. Desk study titled: “Contributions of Green Infrastructure to Urban Resilience: case studies and challenges from around the world.” Total award amount £30,000 for the University of the West of England, Monash University of South Africa, and University of Arizona. Award to the University of Arizona was £9,000. Mar. 15 to Jun. 15, 2017.

2016 – 2020 **Principal Investigator.** Project titled “State of the health of the Cienega Watershed.” Funded by the Cienega Watershed Partnership. Award amount is \$21,000 USD. September 1, 2016 to December 31, 2021 (ongoing). Institutional Proposal Number 00728889.

2015 **Consultant.** Conducted a survey of indicators for the Cienega Watershed Partnership from Sep. 2015 to Feb. 2016. Award amount \$2,000.

2013 – 2019 **Postdoctoral Trainee.** Project titled: “Innovative science and influential policy dialogues for water security in the arid Americas” funded by the Inter-American Institute for Global Change Research. 2013 to 2019.

Postdoctoral Trainee. Project titled: “International Water Security Network” funded by the Lloyds Register Foundation. 2013 – 2019.

PRESENTATIONS

KEYNOTE SPEAKER

- 2021 **Zuniga-Teran, A.**, Gerlak, A. “Desarrollo sustentable: Justicia en los espacios verdes” (Sustainable development: Justice in greenspace). Keynote talk presented virtually by Adriana Zuniga. III International Congress on Architecture. Topic: Sustainability and Water Resources. University of Sonora. Nov. 19.
- 2021 **Zuniga-Teran, A.** and Gerlak, A. 2021. “Diseño urbano sustentable: Justicia en los espacios verdes urbanos.” Presented virtually by A. Zuniga-Teran as a Keynote Speaker for the *Seminario Permanente de Posgrado en Ciencias y Artes para el Diseño*. Universidad Autónoma Metropolitana. March 31.

RESEARCH PRESENTATIONS

- 2021 Gerlak, A. and **Zuniga-Teran, A.** “[University-community partnerships: A strategy to mitigate inequities in urban green infrastructure](#).” Presented virtually by A. Zuniga-Teran as a “Lighting Talk” for the seminar “Geography 2025: Towards a More Equitable Future”, organized by the American Geographical Society. Nov. 15-19.
- 2021 Irene Pineda, Blanca Gonzalez, **Adriana Zuniga**, Joaquin Murrieta. “Infraestructura verde para manejo de agua de lluvia: Reacondicionamiento del suelo y diseño del sitio” (Green infrastructure to manage runoff: Soil reconditioning and site design). Presented at the Universidad de Sonora in Hermosillo, Sonora. November 3.
- 2021 Irene Pineda, Blanca Gonzalez, **Adriana Zuniga**, Joaquin Murrieta. “Infraestructura verde para manejo de agua de lluvia: Reacondicionamiento del suelo y diseño del sitio” (Green infrastructure to manage runoff: Soil reconditioning and site design). Presented at IMPLAN offices in Hermosillo, Sonora. November 3.
- 2021 **Zuniga-Teran, A.**, Fisher, L., Meixner, T. “The State of the Cienega Watershed.” Presented at the Cienega Watershed Partnership Workshop. Hybrid mode. Udall Center for Studies in Public Policy. University of Arizona, Tucson, AZ. Oct. 5.
- 2020 **Zuniga-Teran, A.A.**, Murrieta, J., Garcia-Perez, H., Buechler, St. Lara-Valencia, F. Spickard, G. “Second Planning Workshop: Raingardens for my School”. This workshop was the conclusion of the project titled “Developing an outreach model for green infrastructure to address flooding and sewage spills in Ambos Nogales,” funded by the Arizona-Sonora Inter-University Alliance. This project promoted collaboration between Arizona State University, Colegio de la Frontera Norte-Nogales, the University of Arizona, and Watershed Management Group. Sep. 24.
- 2020 **Zuniga-Teran, A.** “State of the Cienega Watershed.” Presented at the Cienega Watershed Partnership Workshop, via Zoom. Sep. 18.
- 2019 **Zuniga-Teran, A.A.** “State of the Cienega Watershed.” Presented at the Cienega Watershed Partnership Workshop. University of Arizona. May 21.
- 2018 **Zuniga-Teran, A.** 2018. Presentation of research projects to the Udall Foundation Board of Trustees. Udall Center for Studies in Public Policy. Tucson, Arizona. April 9.
- 2018 **Zuniga-Teran, A.** and Meixner, T. “Second Annual State of the Cienega Watershed.” Workshop organized by the Cienega Watershed Partnership. University of Arizona. Tucson, AZ. Mar. 6.
- 2017 **Zuniga-Teran, A.**, Fisher, L. and Meixner, T. First Annual State of the Cienega Watershed. Workshop organized by the Cienega Watershed Partnership. University of Arizona. Tucson, AZ. Mar. 8.
- 2014 **Zuniga-Teran, A.A.** The Influence of the Built Environment on Wellbeing. Presented at the Center for Integrative Medicine. University of Arizona. Tucson, Arizona. Oct.

SPEAKER – SEMINARS, WEBINARS, CONFERENCES, WORKSHOPS, CONGRESSES, SYMPOSIA

- 2021 NADBank UMI Seminar #5: Urban Green Infrastructure (virtual). Panelists: G. Peñúñuri, S. Müller, **A. Zuniga**. Moderator: J. Murrieta. Title “Green Infrastructure for Stormwater Management in Hermosillo, Mexico: Soil Recondition and Site Design,” by B. Gonzalez, A Zuniga, B. Yang, J. Murrieta, G. Peñúñuri, E. Hinojosa, K. Soto, I. Pineda. Dec. 7.
- 2021 Episode 5 of the Water Solutions for Our Warmer World Series titled “[Water and Infrastructure: Building for the Future.](#)” Keynote talk by Cathleen Kelly. Panel moderated by Courtney Crosson. Panelists: Bilal Ayyub, **Adriana Zuniga**, David Herd. Virtual event organized by the Arizona Institutes for Resilience, Water Resources Research Center, and the Udall Center for Studies in Public Policy. The University of Arizona. October 20.
- 2021 **Zuniga-Teran, A.**, Lara-Valencia, F., Garcia-Perez, H., Murrieta, J., Buechler, S., Estrella, M.A., Castellanos, E. “Developing an outreach model for green infrastructure to address flooding and sewage spills in Ambos Nogales.” Presented by Adriana Zuniga-Teran at the *Symposium on Resilience Research for Global Development Challenges*. Organized by Arizona Institutes for Resilience (AIR) International Programs. University of Arizona, Tucson AZ. Sep. 30.
- 2021 **Zuniga-Teran**. “Modelo de Involucración Ciudadana: Diseño Participativo de infraestructure verde. Seminario Agua, Medio Ambiente, y Sociedad. Virtual seminar organized by the University of Guerrero, Mexico. August 20.
- 2021 **Zuniga-Teran, A.** “Green infrastructure in Ambos Nogales: A decentralized solution to binational environmental challenges.” Presented at the virtual workshop titled *Green Infrastructure in Ambos Nogales: Today and Tomorrow*. July 8.
- 2021 **Zuniga-Teran, A.** “Modelo de involucración comunitaria: Diseño participativo de infraestructure verde.” Presented at the virtual workshop titled *Infraestructure verde en Ambos Nogales: Hoy y Mañana*. July 9.
- 2021 **Zuniga-Teran, A.** “Equity in green infrastructure: Community engagement in Tucson and Ambos Nogales.” Presented virtually during the Climate Pilot Project Symposium *Crossing Latinidades* organized by the University of Illinois, Chicago. Funded by the Andrew Mellon Foundation. April 9.
- 2020 Gerlak, A. and **Zuniga-Teran, A.** “University-community partnerships: A strategy to mitigate inequities in green infrastructure.” Presented virtually by A. Zuniga-Teran. Boise State University. *Human Environment Systems Seminar*. October 7.
- 2020 **Zuniga-Teran, A.** “Participatory assessment of potential mining impacts in the Cienega Watershed.” Presented at the panel titled “Assessing and regulating the socio-environmental impacts of resource extraction” at the Workshop “Resource extraction: Impacts, resistance and conflict resolution?” organized by the Udall Center and CNRS-iGlobes, University of Arizona. Tucson, AZ. Jan. 27-28.
- 2019 **Zuniga-Teran, A.A.**, Gerlak, A., Buechler, S., Scott, C. Net Zero Urban Water – Public Policy Component. Presented by **Zuniga-Teran, A.** Restruct Built Environment Research Symposium. University of Arizona. Tucson, Arizona. Dec. 12.
- 2019 Cordova, A., **Zuniga-Teran, A.A.**, and Sproul, J. Forging sister wetlands in El Paso, Texas and Ciudad Juarez, Mexico: Urban transboundary restoration and conservation. Science Diplomacy Conference. University of Arizona. Oct. 24.
- 2019 Gerlak, A. **Zuniga-Teran, A.**, Murrieta, J. Ruiz, N., Rodriguez, C., Shepard, J., and Shippek, C. Presented by **Zuniga-Teran, A.** 2019. “Equity in green infrastructure: A case study in Tucson, AZ.” Presented at the webinar *The Global Water Security Challenge* organized by the International Water Resources Association. Apr. 16.

- 2019 Gerlak, A. **Zuniga-Teran, A.**, Murrieta, J. Ruiz, N., Rodriguez, C., Shepard, J., and Shipek, C. Presented by **Zuniga-Teran, A.** "Involucrando a las comunidades para un Tucson más equitativo y verde" (Engaging communities for a more equitable and greener Tucson). Presented at the second international congress *Agua para el Futuro* organized by the Departamento General de Irrigación, the water agency of Mendoza, Argentina. Mar. 7-9.
- 2018 Gerlak, A. and **Zuniga-Teran, A.** "Equity in green infrastructure: A case study in Tucson, Arizona." Knowledge Conclave *cum* Workshop – Nature-Based Solutions to Water Security. AAETI, Nimli, Rajasthan, India. 27-30 November.
- 2018 **Zuniga-Teran, A.A.** "Wellbeing synergies between walkable neighborhoods and the enhanced use of greenspace." Presented at 55th International Making Cities Livable conference. Ottawa, Canada. May 17.
- 2018 Scott, C.A., **Zuniga-Teran, A.A.**, Palomo, I, Calbimonte, G. "Contribuciones del equipo de la UA." Presented at the congress "Desafíos en seguridad hídrica y resiliencia ante el cambio global en zonas áridas del continente americano." Guaymas, Sonora, Mexico. Apr. 18.
- 2018 Scott, C.A., **Zuniga-Teran, A.A** and Palomo, I. "Seguridad hídrica en el desierto de Sonora: Cuencas, ciudades y frontera." Presented at the congress "Desafíos en seguridad hídrica y resiliencia ante el cambio global en zonas áridas del continente americano." Guaymas, Sonora, Mexico. Apr. 18.
- 2018 **Zuniga-Teran, A.A.** "State of the Cienega Watershed." Presented at workshop "Resilience and Complexity" organized by Centre National de la Recherche Scientifique UMI-iGlobes. University of Arizona. Apr. 12.
- 2017 Gerlak, A. **Zuniga-Teran, A.**, Murrieta, J. Ruiz, N., Rodriguez, C., Shepard, J., and Shipek, C. "Equity in green infrastructure: A case study in Tucson, AZ." Presented by **Zuniga-Teran, A.** at the Resilience & Complexity Workshop. University of Arizona. Tucson, Arizona. Nov. 6.
- 2017 **Zuniga-Teran, A.A.** "Neighborhood design, physical activity and wellbeing." Presented at the 54th International Making Cities Livable conference. Santa Fe, NM. Oct. 5.
- 2017 **Zuniga-Teran, A.A.** "UNMASKING the interactions among food-water-energy security and climate risks in cities" National Center for Atmospheric Research, Boulder, Colorado, Oct.2-3.
- 2017 Gerlak, A. **Zuniga-Teran, A.**, Murrieta, J. Ruiz, N., Rodriguez, C., Shepard, J., and Shipek, C. "Equity in green infrastructure: A case study in Tucson, AZ." Presented by A. Gerlak at I Congreso Peruano Agua-Andes: "Dialogos Ciencia-Politica para el Desarrollo Sostenible" (First Peruvian Agua-Andes Congress: "Science-Policy Dialogues for Sustainable Development"). National Univ. of San Cristóbal de Huamanga, Ayacucho, Peru. Sep. 19.
- 2017 Staddon, C., **Zuniga Teran, A.**, Shoeman, Y., DeVito, L., Arcadis. "Contributions of green infrastructure to urban resilience." Presented by Staddon and **Zuniga Teran** at I Congreso Peruano Agua-Andes: "Dialogos Ciencia-Politica para el Desarrollo Sostenible" (First Peruvian Agua-Andes Congress: "Science-Policy Dialogues for Sustainable Development"). National Univ. of San Cristóbal de Huamanga, Ayacucho, Peru. Sep. 19.
- 2017 Albrecht, T. R., R. G. Varady, **A. A. Zuniga-Teran**, R. De Grenade, A. Lutz-Ley, F. Martín, S. B. Megdal, F. Meza, D. Ocampo Melgar, N. Pineda, F. Rojas, R. Taboada, B. Willems. "Transboundary water security in the arid Americas." Presented by Varady and **Zuniga-Teran** at I Congreso Peruano Agua-Andes: "Dialogos Ciencia-Politica para el Desarrollo Sostenible" (First Peruvian Agua-Andes Congress: "Science-Policy Dialogues for Sustainable Development"). National Univ. of San Cristóbal de Huamanga, Ayacucho, Peru. Sep. 19.
- 2017 **Zuniga-Teran, A.**, Lutz-Ley, A., Peon, R. Pasqal, J., Peralta, Y. "Planning for desalination: a comparative case study." Presented by **Zuniga-Teran, A.A.** and Lutz-Ley, A.N. 2017. Participated in the XVI World Water Congress. Cancun, Mexico. May 31.

- 2017 **Zuniga-Teran, A.A.** Participated in the CAPLA Spring Symposium. The talk was titled: “Neighborhood design, physical activity, and wellbeing”. Symposium held at the College of Architecture, Planning and Landscape Architecture at the University of Arizona on Apr. 11.
- 2016 **Zuñiga-Terán, A.A.**, and T. Albrecht. “Diversity as a key element of urban resilience.” (Presented by Charles Breen) at “Achieving Resilience by Design,” workshop organized by the International Water Security Network at the Institute of Natural Resources. Pietermaritzburg, South Africa. Aug. 10.
- 2016 Scott, C. A., R. G. Varady, and **A. A. Zuñiga-Terán**. “Science–policy dialogues and resilience.” Presented (by Charles Breen) at “Achieving Resilience by Design,” workshop organized by the International Water Security Network at the Institute of Natural Resources. Pietermaritzburg, South Africa. Aug. 10.
- 2016 Gerlak, A. K., L. House-Peters, T. Albrecht, C. Cook, R. Routson de Grenade, C. A. Scott, R. G. Varady, and **A. Zuñiga-Terán**. (Presented by A. Gerlak). Water security: A critical review of recent studies. Presented at annual meeting of International Studies Association, Atlanta, GA, Mar. 17.
- 2016 **Zuniga-Teran, A.A.** and N. Pineda Pablos. Desalinización binacional en la frontera entre EE.UU. y México: Un caso de estudio en Puerto Peñasco. Presented at water governance workshop “Buenas practicas de gobernanza del agua: Adaptando enfoques exitosos hacia la seguridad hídrica en Mendoza, Argentina, y en otras regions áridas del continente americano.” Mendoza, Argentina. Aug. 4.
- 2016 **Zuniga-Teran, A.A.** Binational desalination in the U.S.-Mexico border: A case study of the proposed Puerto Peñasco desalination plant. Presented at the International INSAKA Research Symposium. Kafue, Zambia. Jun. 15.
- 2016 Garcia, H., **Zuniga-Teran, A.A.** 2016. “Huertos comunitarios, dieta, y actividad física en población femenina en las ciudades de la frontera norte” (Community gardens, diet, and physical activity in female populations of cities along the northern Mexican border). Presented at the *Red de Cooperación Binacional para Comunidades Saludables* (Binational Cooperation Network for Healthy Communities). Nogales, Mexico. May 9.
- 2016 Varady, R.G., Scott, C.A., **Zuniga-Teran, A.A.**, Buechler, S., Gerlak, A., Wilder, M. “Aspects of water ethics and governance.” Presented at the Water Ethics Symposium - Building strategies for water ethics: Future direction in research and education. University of Arizona. Tucson, AZ, Apr. 25.
- 2016 **Zuniga-Teran, A.A.** From designing buildings to researching deserts. Presented at Session 5: Water-Energy-Food Nexus. SWAN International Conference. Tucson, Arizona. Feb. 16-17.
- 2015 **Zuniga-Teran, A.A.** Green infrastructure as a climate change adaptation strategy in cities in arid lands. Presented at Working group 3: Urban Settlements and Climate Change. Climate Change Workshop organized by Universidad Autónoma de México (UNAM). La Paz, Baja California Sur, Mexico, Nov. 17 – 20.
- 2015 **Zuniga-Teran, A.A.** Taller de Ciudades Sustentables (Sustainable Cities Workshop). Presented at the VI International Congress on Sustainable Development- Sustainability in Border Cities. Instituto Tecnológico de Nogales. Nogales, Sonora, Mexico. Oct. 21.
- 2015 **Zuniga-Teran, A.A.** Desde las Colonias hasta el Bienestar y la Conservación: Aumentando el Uso de los Espacios Verdes a través de la Caminabilidad. (From neighborhoods to wellbeing and conservation: Enhancing the use of greenspace through walkability). Presented at the 1st International Congress of Urbanism, City, Urban Policy, and Borders. Instituto Tecnológico de Nogales. Nogales, Sonora, Mexico. Sep. 30.

PUBLIC PRESENTATIONS

- 2020 **Zuniga-Teran, A.A.** “[My experience as a Gloria Barron Scholar.](#)” Presented virtually. The Wilderness Society. December 20.

- 2019 Gerlak, A. **Zuniga-Teran, A.**, Murrieta, J. Ruiz, N., Rodriguez, C., Shepard, J., and Shipek, C. Presented by **Zuniga-Teran, A.** "Equity in green infrastructure: A case study in Tucson, Arizona." Presented at the Arizona Senior Academy. Tucson, Arizona. Nov. 27.
- 2019 **Zuniga-Teran, A.A.** "State of the Cienega Watershed." Presented at the Science on the Sonoita Plain Symposium. Santa Cruz County Fairgrounds in Sonoita, Arizona. June 22.
- 2019 **Zuniga-Teran, A.** Participated in *Foro para Líderes: Plan Nacional de Desarrollo* organized by the *Instituto de los Mexicanos en el Exterior* (IME) and hosted by *Fundación México* at the Mexican Consulate in Tucson, AZ. Here, I talked briefly about greening efforts in the south of Tucson. Apr. 6.
- 2018 **Zuniga-Teran, A.A.** and Rivera, M. "Landscape Design at STAR Academic High School." Presented to faculty at STAR Academic High School. Sept. 12.
- 2018 **Zuniga-Teran, A.A.** "State of the Cienega Watershed." Presented at Pima County Regional Flood Control Brown Bag Series. Tucson, Arizona. Aug. 8.
- 2018 **Zuniga-Teran, A.A.**, Avila, S., Bernal, S., Cowan, D. Participated in a discussion panel on community engagement with teachers as part of the Arizona Project Wet to increase green infrastructure sponsored by NOAA. Project title: "Community Resilience to Climate Change: Recharge the Rain." Water Resource Research Center, University of Arizona. July 17.
- 2018 **Zuniga-Teran, A.A.** "State of the Cienega Watershed." Presented at the Science on the Sonoita Plain Symposium. Elgin, Arizona. June 2.
- 2017 **Zuniga-Teran, A.** "Planning for green infrastructure." Invited speaker to the science class at STAR Academic High School in Tucson, AZ. Oct. 25.
- 2016 **Zuniga-Teran, A.A.** Participated in a discussion panel for the workshop "How can Tucson connect to global STEM opportunities?" organized by the Office of Latin American Partnership Initiatives, University of Arizona. Event held at the Pima Community College, Tucson, AZ. Oct. 15.
- 2016 **Zuniga-Teran, A.A.** From designing buildings to researching deserts. Presented at the Annual Meeting of the United Nations Association of Southern Arizona. Tanque Verde Ranch, Tucson, Arizona. Jun. 4.
- 2013 **Zuniga-Teran, A.A.** "Neighborhood Design, Wellbeing and Conservation." Presented at a neighborhood association meeting of the Barrio Viejo Neighborhood. Tucson, Arizona. Oct.

MODERATOR & FACILITATOR

- 2020 Moderated the session titled "Regional Sustainability" under the broad banner of "Data-Driven Discovery at the US-Mexico Border." This participation represented the University of Arizona at the Border Solutions Alliance convocation held at the National Academy of Sciences, Engineering and Medicine in Washington DC. Feb. 6.
- 2019 **Zuniga-Teran, A.** "Water management in Ambos Nogales." Introduction to the session "Hydrodiplomacy in Ambos Nogales: Lessons from Binational Water Management." Panel members: Lara-Valencia, F., Norman, L., Murrieta, J., Buechler, S. Science Diplomacy Conference. University of Arizona, Tucson, AZ. Oct. 25.
- 2018 **Zuniga-Teran, A.A.** "Planeación por Escenarios para El Colegio de Sonora." Facilitated a 3-day Scenario Planning workshop for El Colegio de Sonora in Hermosillo, Sonora, Mexico. Jun. 25-27.
- 2016 Marra, R., **Zuniga-Teran, A.A.** Lutz-Ley, A. Peralta, Y., Mejia, J. "Scenario planning workshop and rationale to water interests in Hermosillo." El Colegio de Sonora and Agua de Hermosillo. Hermosillo, Mexico. Apr. 8-9.

INVITED LECTURES (UNIVERSITY OF ARIZONA)

- 2019 **Zuniga-Teran, A.** “Enhancing resilience in semiarid urban and peri-urban landscapes.” Invited lecturer to the ARL 641 – Natural and Human Impacts on Arid Lands. Oct. 29.
- 2019 Gerlak, A. **Zuniga-Teran, A.**, Murrieta, J. Ruiz, N., Rodriguez, C., Shepard, J., and Shipek, C. Presented by **Zuniga-Teran, A.** “Equity in green infrastructure: A case study in Tucson, AZ.” Invited lecturer to the class GEOG 256: Sustainable Cities and Societies. Apr. 4.
- 2019 **Zuniga-Teran, A.** “Wellbeing synergies between walkable neighborhoods and the enhanced use of greenspace.” Invited lecturer to the class SBE 380: Research Methods. Mar. 25.
- 2019 **Zuniga-Teran, A.** “Green Buildings.” Invited speaker to the class GEOG 302: Sustainable Development. Mar. 21.
- 2019 Gerlak, A. **Zuniga-Teran, A.**, Murrieta, J. Ruiz, N., Rodriguez, C., Shepard, J., and Shipek, C. Presented by **Zuniga-Teran, A.** “Equity in green infrastructure: A case study in Tucson, AZ.” Presented at the event “CCASS Climate Chats” with graduate students at the Tooth Brewing Company in Tucson, AZ. Feb. 26.
- 2018 Gerlak, A. **Zuniga-Teran, A.**, Murrieta, J. Ruiz, N., Rodriguez, C., Shepard, J., and Shipek, C. Presented by **Zuniga-Teran, A.** “Urban resilience and green infrastructure: A case study of environmental justice in Tucson, AZ” at the event “Urban Resilience Networking Hour,” University of Arizona. Sep. 19.
- 2018 Gerlak, A. **Zuniga-Teran, A.**, Murrieta, J. Ruiz, N., Rodriguez, C., Shepard, J., and Shipek, C. Presented by **Zuniga-Teran, A.** “Water security through green infrastructure: A case study on environmental injustice in Tucson, Arizona.” Invited lecturer to the class EPID 606 – Changing Global Health Policy through Epidemiological Analysis and Cultural Understanding. Apr. 3.
- 2018 **Zuniga-Teran, A.** “Green Buildings.” Invited lecturer to the class GEOG 302: Sustainable Development. Mar. 14.
- 2018 **Zuniga-Teran, A.A.** “Urban resilience through green infrastructure: An environmental justice case study in Tucson, AZ.” Invited lecturer to the class GEOG 6960 – Adaptation and Resilience in Water Resources Systems. Jan. 18.
- 2017 **Zuniga-Teran, A.A.** “Neighborhood design, physical activity, and wellbeing.” Invited lecturer for the class Special Topics in Architectural Research. Apr. 13.
- 2017 **Zuniga-Teran, A.A.** “Resilience through Urban Design and Walkability.” Participated in a discussion panel for the class GEOG 6960 - Adaptation and Resilience in Water Resources Systems. Jan. 24.
- 2016 **Zuniga-Teran, A.A.** Participated in a discussion panel on sustainability for the class Introduction to Global Change organized by the Instructor Dr. Arin Haverland. Nov. 28.
- 2016 **Zuniga-Teran, A.** “From neighborhoods to wellbeing and conservation: Enhancing the use of greenspace through walkability.” Lecture given to undergraduate students of the Sustainable Built Environments Degree Program. Oct. 6.

INVITED LECTURES (NOT UNIVERSITY OF ARIZONA)

- 2018 **Zuniga-Teran, A.A.** “Ciudades Sustentables (Sustainable Cities).” Invited Speaker to Fundación Alfa High School for gifted and underrepresented students in Monterrey, Mexico. Feb. 14.
- 2016 **Zuniga-Teran, A.** From neighborhoods to wellbeing and conservation: Enhancing the use of greenspace through walkability. Lecture given via Skype to undergraduate students majoring in urbanism at Monterrey Institute of Technology and Higher Education (ITESM). Leon, Guanajuato, Mexico. Sept. 8.

POSTER PRESENTATIONS

- 2018 **Zuniga-Teran, A.A.**, Fisher, L., Meixner, T. McFarlin, S. Postillion, 2018. F. Presented by Zuniga-Teran, A. Poster presentation at UHMI Seminar in La Martigue, France. Oct. 8-10.
- 2014 **Zuniga-Teran, A.A.** Poster presentation at Student Showcase: Grad Blitz by the Institute of the Environment. University of Arizona, Tucson, Arizona. Nov.
- 2014 **Zuniga-Teran, A.A.** Poster presentation: College of Agriculture and Life Sciences Interdisciplinary Showcase. University of Arizona, Tucson, Arizona. Nov.
- 2014 **Zuniga-Teran, A.A.** Poster presentation at the Student Showcase: Graduate Professional Student Council. University of Arizona, Tucson, Arizona. Nov.
- 2014 **Zuniga-Teran, A.A.** Poster presentation at Student Showcase: Arid Lands Resource Sciences Welcome Event. University of Arizona, Tucson, Arizona. Sep.
- 2013 **Zuniga-Teran, A.A.** Poster presentation at the Student Showcase: Graduate Professional Student Council. University of Arizona, Tucson, Arizona. Nov.
- 2013 **Zuniga-Teran, A.A.** Poster presentation at the Student Showcase: Graduate Interdisciplinary Programs. University of Arizona, Tucson, Arizona. Nov.

SYNERGISTIC ACTIVITIES

- 2021 Organized a virtual lecture for the Udall Center for Studies in Public Policy around Equity, Diversity and Inclusion titled "[Combatting systemic racism with educational equity](#)" by Dr. Tori Thomas from the Kinder Institute at Rice University. Apr. 23. Recording can be accessed here:
- 2021 Participant on the nation-wide project "Crossing Latinidades" led by faculty at the University of Illinois – Chicago, with funding from the A. Mellon Foundation. Jan – Jul.
- 2020 Co-organized a virtual lecture for the Udall Center for Studies in Public Policy around Equity, Diversity and Inclusion titled "Courageous Conversations" with Ashley LaRusse. Feb. 19
- 2020 Hosted a virtual talk by Marie-Noëlle Carré from the *Centre de Recherche et de Documentation des Ameriques* in Canada. The title of Dr. Carré's talk is "A Tale of Two Quarries: Recycling post-extractive areas in Greater Montreal." Apr. 14.
- 2020 Hosted a discussion with Dr. Tania Martinez at the Udall Center for Studies in Public Policy. Dr. Martinez is an Indigenous Mixe female scientist from Oaxaca, Mexico, who has won awards for her work on traditional maize growing practices. Feb. 3.
- 2020 Participated on a panel for the seminar "Women in STEM" organized by UA Global. This initiative brought 45 female students in STEM fields from Mexico to the University of Arizona. Feb. 3
- 2020 Co-organized, moderated a panel, and presented at the workshop titled "Resource extraction: Impacts, resistance and conflict resolution?". Workshop organized in collaboration with UMI-iGlobes and the Udall Center for Studies in Public Policy. University of Arizona. Jan. 27-29.
- 2020 Participated in the Townhall on Advancing STEM Equity at Minority Serving Institutions. University of Arizona. Tucson, AZ. Jan. 23.
- 2019 Chaired the session titled "Hydrodiplomacy in Ambos Nogales: Lessons from Binational Water Management." Science Diplomacy Conference. University of Arizona, Tucson, AZ. Oct. 23-25.
- 2019 Participated in the "University of Arizona Master Plan Workshop." As part of the Strategic Planning, the UA master plan is adapted to fit the needs of the growing campus. Old Main Building, University of Arizona. Aug. 12.
- 2019 Participated in the "Healthy Borders Healthy Waters Educational Curriculum Workshop" organized by New Mexico State University, Water Resources Research Institute and CE³SAR, in collaboration with UNAM Juriquilla and the Border Solution Alliance. Queretaro, Mexico. Aug. 8-9.
- 2019 Participated in the "Border Water Solutions: Proposal Planning Workshop" organized by the Water Resources Research Institute and New Mexico State University. Las Cruces, NM. Aug. 1-2.

- 2019 Participated in the workshop “Innovative, Multidisciplinary Water Research to Address the Needs of the US-Mexico Border Corridor.” Event organized by New Mexico State University and the Water Resources Research Institute. Las Cruces, NM. Jun. 11.
- 2019 Led the University of Arizona convoy to participate in the “Border Solutions Alliance” workshops El Paso/Las Cruces funded by the NSF. Participated on the *Water* session at the El Paso/Las Cruces Workshop. Jun. 10-12.
- 2018 Chaired session and participated on the workshop “Human Challenges in Extreme Environments” funded by the Udall Center and the French UMI-iGlobes at the University of Arizona. Nov. 12-13.
- 2018 Co-organized and chaired the special session “A view to the future/Una vista hacia el future” for the workshop “Binational Water Relations at 75 Years: Retrospectives, Resilience, and US-Mexico Border Water Resources Governance” at the University of Arizona. Oct. 15-16.
- 2018 Co-organized and participated in the congress “Desafíos en Seguridad Hídrica y Resiliencia ante el Cambio Global en Zonas Aridas del Continente Americanos” in Guaymas, Sonora, Mexico. Apr. 17-21.
- 2017 Coordinated and participated in bilingual special session for the World Water Congress in Cancun, Mexico. May 31.
- 2017 Supported coordination for a special session on the Science Diplomacy Conference. University of Arizona. Tucson, Arizona. Feb.
- 2016 Coordinated and participated in the workshop “Buenas Prácticas de Gobernanza del Agua” in Mendoza, Argentina; in collaboration with Argentinean partners and water officials from the Departamento General de Irrigación. Aug.

TEACHING EXPERIENCE (UNIVERSITY OF ARIZONA)

GRADUATE COURSES

Placemaking and the Urban Form	RED 421/521	2020 & 2021
Sustainable Urban Development & Design	PLG 497s/597s	2020 & 2021
Arid Lands Resource Science Colloquium	ARLS 959	2014 (TA), 2021

UNDERGRADUATE COURSES

Sustainable Design and Planning	SBE 201	2015
History of the Built Environment Part 1	SBE 221	2017 – present
History of the Built Environment Part 2	SBE 222	2018 – present
Introduction to Sustainability	SBE 195A	2018 – 2020
Careers in Sustainability	SBE 195B	2018 – 2020
Introduction to Global Change	GC 170A1 (TA)	2012 – 2013
Indigenous Religions	RELI 200 (TA)	2011

TEACHING EXPERIENCE (NOT UNIVERSITY OF ARIZONA)

UNDERGRADUATE COURSES

Universidad LaSalle del Noroeste (ULSA) — Obregon, Mexico		
Theory of Design I		2006 - 2007
Theory of Design II		2006 – 2007
History of Graphic Design III		2006 – 2007

Instituto Tecnológico Superior de Cajeme (ITESCA) — Obregon, Mexico

Descriptive Geometry I	2006 - 2007
History of Architecture II	2006 – 2007

HIGH SCHOOL COURSES

Monterrey Institute of Technology and Higher Education (ITESM) — Monterrey, Mexico

Math I – Algebra I	1989 - 1990
Math II – Algebra II	1989 - 1990

STUDENT MENTORING & ADVISING (UNIVERSITY OF ARIZONA)

2016 - present	PhD Committee	<p>Simone A. Williams. Arid Lands Resource Sciences. Groundwater quality assessment. 2021-present.</p> <p>Karina G. Martinez. Arid Lands Resource Sciences. Water security during Covid 19. 2020-2021.</p> <p>Mariana Sofia Rodriguez McGoffin. Geography. Green infrastructure and environmental justice in the US-Mexico border (Cd Juarez). 2020-present.</p> <p>Rodolfo Peon. Arid Lands Resource Sciences. Water-energy-food nexus in the Navajo Nation. Defended in 2019.</p>
2016 - present	Masters Committee	<p>Patricia Schwartz. Geography. Regulatory framework around green infrastructure in Ambos Nogales. 2020.</p> <p>Yulia Peralta. Arid Lands Resource Sciences. Water security in the Yaqui Valley of Mexico. 2019.</p>
2015 - 2020	Sustainable Built Environments Program, Capstone Project (undergraduate)	<p>Lauran Lee Morrisey – outdoor public spaces.</p> <p>Adele Weibke – sustainability in the fashion industry.</p> <p>Sterling M. Kilman – desalination in California.</p> <p>Moira M. Scanlon – crop choices and water use in Arizona.</p> <p>Lindsay N. Callahan – food deserts.</p> <p>Shannon Le Gate – shopping malls.</p> <p>Ana Lucia Guerrero López – sustainability in high school curricula.</p> <p>Jeffrey Tolin – tire recycling options in the construction industry.</p> <p>Emma Baird James – relationship between housing, income, and high school graduation rates.</p> <p>Yuxi Li – greenspace in Singapore.</p>
2019	Summer Research Prog. (graduate)	<p>Marisella Trillas Ortiz – urban design and use of greenspace.</p> <p>Martin Alan Barcelo – urban design and use of greenspace.</p>
2018 - present	Research (graduate)	<p>Simone Williams – water quality in Las Cruces because of the Corralitos Landfill.</p> <p>Patricia Schwatzr – public policy analysis on green infrastructure in Ambos Nogales.</p>

		<p>Gabrielle Spickard – landscape design for middle school in Nogales, Sonora.</p> <p>Karina Martinez – project coordinator.</p> <p>Mariana Rivera Torres – community engagement at STAR Academic High School.</p> <p>Isaac Palomo – landscape design at STAR Academic High School.</p> <p>Giancarlo Calbimonte – water security in the arid Americas.</p> <p>Veronique Arguello – IndigeFEWS Fellowship.</p>
2018 - present	Research (undergraduate)	<p>Alexander Tam – systematic literature review.</p> <p>Alejandra Huerta – landscape design for middle school in Nogales, Sonora.</p> <p>Emma James – literature review.</p> <p>Grace Stoner – literature review.</p>
2018 - 2020	Outreach	<p>Jordan Esparza – engagement at Star Academic High School.</p> <p>Lauran Morrissey – engagement at Star Academic High School.</p> <p>Jessica Eppard – engagement at Star Academic High School.</p> <p>Cora Thomas – engagement at Star Academic High School.</p> <p>Abby Collier – engagement at Star Academic High School.</p> <p>Rebekah Ulmer – engagement at Star Academic High School.</p> <p>Daniella Delgado – Outreach for GI maintenance protocol.</p>
2018 - present	Teaching	<p>Mattea Wallace – TA for RED 421/521.</p> <p>Jordan Lawson – TA for SBE 221 & SBE 222.</p> <p>Adele Weibke – TA for SBE 221 & SBE 222.</p> <p>Kendra Potter – TA for RED 421/521.</p> <p>Isaac Palomo – TA for RED 421/521.</p> <p>Jenny Rice – TA for SBE 221 & SBE 222.</p>

STUDENT MENTORING & ADVISING (OTHER UNIVERSITIES)

El Colegio de Sonora, Hermosillo, Mexico

2019	Summer Research (graduate)	Fernanda Elizalde – community resilience in the Sonora River Basin.
2014 - present	PhD/Masters Committee	<p>Juan Carlos López Torrero. Dissertation titled “Gestión sostenible del espacio verde público en ciudades áridas, hacia el cumplimiento de los ODS-2030”. Fall 2020 – present.</p> <p>Maria Magdalena Bernal Grijalva. Dissertation titled: “La gestion urbana de espacios públicos y áreas verdes en ciudades áridas cálidas del norte de México (Hermosillo, Mexicali, y Torreón).</p> <p>Ivan de Santiago Armenta Ramirez. Master’s thesis “Tipologías del accidente peatonal: Un análisis socioespacial a la estructura urbana de Hermosillo, Sonora, 2014-2017.”</p>

SERVICE & OUTREACH**SERVICE TO PROFESSION**

2016 - present	Journal Peer Review	Sustainability; Water Alternatives; Urban Design; International Journal of Environmental Research and Public Health; Water International; Water; Environment and Planning B: Urban Analytics and City Science; URBE; Urban Science; Environmental Science & Policy; Landscape and Urban Planning; Environmental Sustainability; Urban Forestry and Urban Greening; Urban Geography; Journal of Environmental Policy and Planning; Environmental Development
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NATIONAL & INTERNATIONAL OUTREACH & SERVICE

2019 - 2020	Proposal Review Panel	European Science Foundation, Science Connect. Research Foundation Flanders. June. University of Hawaii Water Resources Research Center. July.
2019	Conference papers	Proceedings of the Science, Health, and Engineering Diplomacy and Policy Conference. University of Arizona. October.
2016	Chair of Review Committee	Scholarship contest to attend the Water Governance Workshop in Mendoza, Argentina from August 3-6, 2016. 63 applicants from 11 countries applied for five scholarships.
2018 - present	Board Member	Sky Island Alliance.
2019 - 2021	Co-chair of Board	Sky Island Alliance.

UNIVERSITY & DEPARTMENTAL SERVICE

2016 - present	Search Committee	Tenure-track Assistant/Associate Professor in Real Estate Development. School of Landscape Architecture and Planning. University of Arizona. Spring 2021. Postdoctoral Research Associate at the Udall Center for Studies in Public Policy at the University of Arizona in May 2016. Receptionist at the Udall Center for Studies in Public Policy at the University of Arizona in June 2017.
2017	Chair of Search Committee	Two Graduate Research Assistants at the Udall Center for Studies in Public Policy.

2018 - present	Reviewer of design projects	<p>Landscape Design Studio with Prof. Gabriel Diaz Montemayor. Project on green infrastructure network in Ambos Nogales to manage stormwater. Mid and final review. Spring 2020.</p> <p>Landscape Design Studio with Prof. Bo Yang. Project on park design for stormwater management and infiltration in greenbelt of Hermosillo, Mexico. Mid and final review. Spring 2020.</p> <p>Low-Income Housing Studio project with Professor Eduardo Guerrero Bolivar. School of Architecture. May 12, 2020.</p> <p>Urban design studio. Mid-term with Professor Travis Mueller at School of Landscape Architecture. Feb. 2019.</p> <p>Water Conservation Design Studio. Mid term review with Professor Courtney Crosson at the College of Architecture. Oct. 2018</p> <p>Landscape Design Studio. Mid-term and final review with Professor Bo Yang at the School of Landscape Architecture. 2018.</p>
2020 - present	Fellowship	<p>Hispanic Serving Institution Fellowship Program. 2020.</p> <p>Arin Haverland's application to the College of Agriculture Teaching Excellence (CATE) Fellowship. 2020. Course reviewed ENVS 210 - Fundamentals of Environmental Science and Sustainability.</p>
2015 - 2018	Judge	<p>Arid Lands Resource Science 50th Anniversary Poster Competition. 2018.</p> <p>Arid Lands Resources Science Presentation Competition. 2016, 2017.</p> <p>Sustainable Built Environments Capstone Poster Competition. 2015.</p>
2017 - 2019	Coordinator	<p>Lecture Series for the School of Landscape Architecture and Planning. 2018, 2019.</p> <p>Lecture series for the Sustainable Built Environments Program. 2017, 2018.</p>
2018 - present	Committee member	<p>Equity, Diversity, and Inclusion committee at the Udall Center for Studies in Public Policy (2020 – present).</p> <p>Equity, Diversity and Inclusion at the College of Architecture, Planning and Landscape Architecture (2019 – present).</p> <p>Strategic Planning and Operations Advisory Committee (SPOAC) at the College of Architecture, Planning and Landscape Architecture (2018 – 2019).</p> <p>Academic Task Initiative for the College of Architecture, Planning, and Landscape Architecture (2018- 2019).</p> <p>Executive Committee for the Arid Lands Resource Sciences program, part of the Graduate Interdisciplinary Programs (2020 – present).</p>

2019 - present Advisory Board Arizona Institutes for Resilience International Development Network (2020 – present).
3.3 Next Generation Model for Healthy Aging (2019).

MEDIA COVERAGE

- 2021 **Proyecto Puente.** Interview with Journalist Ana Gamboa about the 100K Strong Award to build capacity around green infrastructure in university students. Grant in collaboration with the University of Sonora. Published on Aug. 19 [here](#).
Environmental Health News. Apr. 1. Interview with journalist intern Quinn McVeigh about the 1 Million Trees initiative promoted by Major Regina Romero. Published on May 14 [here](#).
Arizona Daily Star. Mar. 29. Interviewed by environmental journalist Tony Davis about greenspace equity in Tucson. Published on April 4 [here](#).
- 2020 **El Diario de Sonora.** Oct. 1. Rubio, V. “Prepara secundaria programa de infrastructure verde; Buscan presentar un mejor use al agua de las lluvias en Nogales, Sonora.” Published [here](#).
Southwest Center Podcast. Jun. 17. Interview with Patricia Schwartz on water-wise infrastructure, urban greenspace/environmental justice, and transboundary water justice. Live on July 17 [here](#).
WalletHub.com. Jun. 11. Interview with Jacob Sanders, Communications Associate for WalletHub – one of the leading outlets for the personal finance industry. Mr. Sanders asked questions about the challenges with beach front properties and the vulnerabilities to climate change, and what can be done to increase resilience. Published on Jun. 17 [here](#).
- 2019 **Futurity.** Aug. 2. Interview with Martin Reisch for article titled “City parks are only as good as the trip to get there” that describes findings from the study “Exploring the influence of neighborhood walkability on the frequency of use of greenspace.” Available [here](#).
Arizona Public Media. Aug. 1. Interview with Anthony Perkins on study titled “Exploring the influence of neighborhood walkability on the frequency of use of greenspace.” Radio interview aired on Aug. 2 [here](#).
UA News. Jul. 18. Interview with Andy Ober from UA Communications about the study titled “Exploring the influence of neighborhood walkability on the frequency of use of greenspace.” Published on Aug. 1 [here](#).
Landscape Architecture Magazine. Apr. 24. Interview with Timothy Schuler for article titled “Turn the temperature down – Tucson Verde Para Todos makes a local – and more equitable – approach to green infrastructure.” Vol. 109 No. 7.
High Country News. Dec. 6. Engaging community around equity issues in green infrastructure and water sustainability in south Tucson. Available [here](#).
- 2018 **UA Journalism.** Nov. 17. Video made by a UA journalism student, Alex Gonzalez. Available [here](#).
iGlobes News and Events. Oct. “UA Senior Lecturer Adriana Zuniga Presenting at the Observatory Workshop in France.” Available [here](#).
- 2017 **Inc Magazine (Inc.com).** Dec. 18. Interview with Rebecca Hinds on active transportation and the health advantages of walking and biking. Available [here](#).
Radio show InfoTrak. Apr. 24. Interview with Radio Host and Executive Producer Randy Meyer neighborhood design and wellbeing. The show airs on Talk Zone [here](#).

Newsweek en Español. Apr. 2. Interview with Marco Tulio Castro on study about desalination in the U.S.-Mexico border region. Published on Apr. 7 [here](#).

Dr. OZ The Good Life Magazine. Mar. 14. Interview with reporter Megan Ditrolio on neighborhood design and wellbeing.

Men's Fitness. Mar. 14. Interview for article titled "Here's why your neighborhood can make (or break) your fitness." Available [here](#).

UANews. Feb. 7. Interview with Reporter Alexis Blue on a recently published study on neighborhood design and walkability. Published on Mar. 9 [here](#).

UANews. Jan. 17. Interview with Reporter Abby Dockter for article about the Haury Seed Grant Recipients. Published on Feb. 17 [here](#).

2016 **UANews.** Jul. 7. Interview with Lori Harwood for article titled: "UA Researchers Take a Closer Look at the Future of Desalination. As binational desalination plants are being considered as a strategy to combat water scarcity, scientists delve into the environmental, political, and social impacts" College of Social and Behavioral Sciences. Available [here](#).

La Conversada. Apr. 7. Interview with Reporter Bertha Yañez in Hermosillo, Mexico, with colleagues America Lutz, and Yulia Peralta about a scenario planning workshop that we helped facilitate in Hermosillo, led by consultant Ralph Marra.

CERTIFICATIONS

2013 UA Institutional Review Boards (IRB). ID: 2192026

2009 Leadership for Energy and Environmental Design Accredited Professional (LEED-AP)

1990 Certified Architect in Mexico, License No. 1632344

LANGUAGES

Spanish: Native speaker

English: Advanced proficiency

French: Basic proficiency

VOLUNTEER EXPERIENCE

2017 Airport Wash Green Infrastructure Project. Watershed Management Group. Tucson, AZ.

2014 Latin American Summer Research Program – University of Arizona.

2014 - 2015 US Green Building Council – Arizona Chapter.

2014 – 2015 The Nature Conservancy – Tucson office.

ORGANIZATIONS

2011, 2017 American Association of University Women (AAUW).

2014 – 2016 Biosciences Toastmasters.

2010 – 2015 Arid Lands Resource Sciences student club.

SOFTWARE SKILLS

AutoCAD
MS Office
UAccess (database)
Photoshop
Sketch-up

eQUEST, Energy10, COMcheck, REScheck
Geographic Information Systems (GIS)
Erdas Imagine (Remote Sensing)
Statistical Package for the Social Sciences (IBM-SPSS)
GoToMeeting