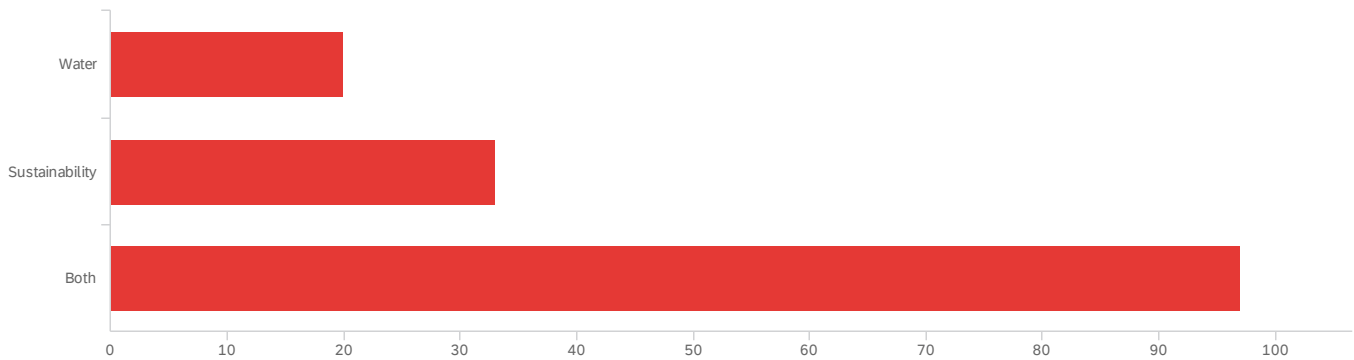


Default Report

Water and Sustainability at Fresno State V.3

February 3, 2020 11:12 AM MST

Q2 - Which of the following research areas are you interested in or are currently engaged in?

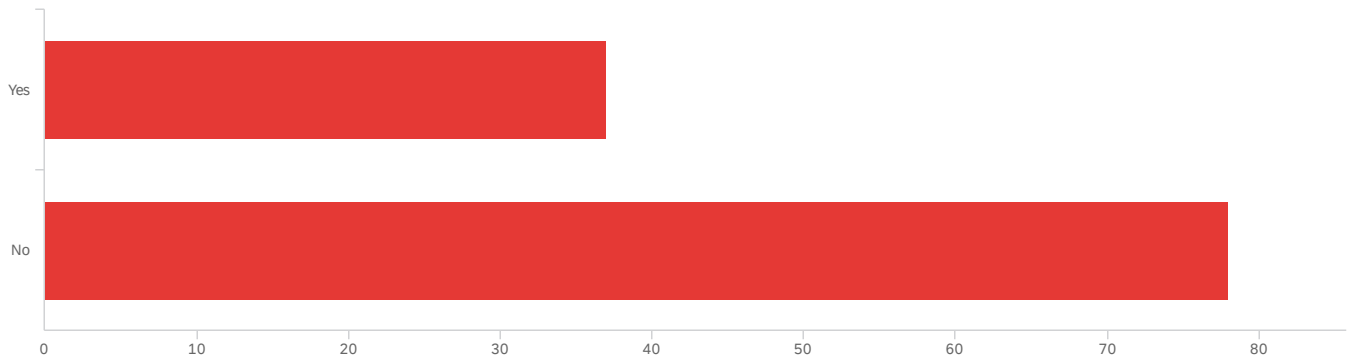


#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	Which of the following research areas are you interested in or are currently engaged in?	1.00	3.00	2.51	0.72	0.52	150

#	Field	Choice Count
1	Water	13.33% 20
2	Sustainability	22.00% 33
3	Both	64.67% 97
		150

Showing rows 1 - 4 of 4

S2 - Are you CURRENTLY engaged in sustainability research or scholarship?



#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	Are you CURRENTLY engaged in sustainability research or scholarship?	1.00	2.00	1.68	0.47	0.22	115

#	Field	Choice Count
1	Yes	32.17% 37
2	No	67.83% 78

115

Showing rows 1 - 3 of 3

S3 - Provide a list or sample of your sustainability-focused research, projects and/or publications:

Provide a list or sample of your sustainability-focused research, projects...

Teaching of "cultural burns" and water management; Tribal water rights and access; federal-Indian law; sustainable ecological practices and Native American women's leadership; mentorship of students and research projects studying water, water quality and tribal water access and management in the San Joaquin Valley

NSF funded REU (research experiences for undergraduates)

I am currently working on pedagogical research to teach about sustainable solid waste management and recycling. I will be presenting my research at the 35th International Conference on Solid Waste Technology and Management later in Spring 2020.

I am working with Naked Earth Solutions to provide biodegradable, eco-luxury bath products in hotels, bed and breakfasts, and AirBnB properties to reduce plastic waste in accordance with new California legislation banning plastic wrapped soaps in hotels by the year 2023. I teach sustainable concepts to interior design students at California State University and have been researching the impact of AI on energy management within living systems. In the past I have created a bus stop art installation titled Residually Green to communicate how the use of multiple renewable energy sources produce enough energy to satisfy our current and future energy demands. I am working with USGBC to produce a video competition relating to PSA videos on Active Transportation.

green building sustainable construction

Provide a list or sample of your sustainability-focused research, projects...

Publications: J1. Tehrani, F. M., J. Carreon, and N. Miller. (2019). An Investigation of Tire-derived Lightweight Aggregate Concrete. in ACI Special Publication SP-334-5, Ed. by ACI Committee 555. 334, 68-98. [<https://www.concrete.org/publications/internationalconcreteabstractsportal.aspx?m=details&ID=51720254>] J2. Pouramini, M., A. Torabian, and F. M. Tehrani. (2019). Application of Lightweight Expanded Clay Aggregate as Sorbent for Crude Oil Cleanup. Desalination and Water Treatment, 160(2019), 366-377. [<https://doi.org/10.5004/dwt.2019.24232>] J3. Nelson, D. and F. M. Tehrani. (2018). Is Resilience ... Sustainable? APWA Reporter, 85(8), 53-56. [www3.apwa.net/Resources/Reporter/Articles/2018/8/is-resilience-sustainable] J4. Tehrani, F. M. and M. Dadkhah. (2018). A Case Study on the Analysis of Energy and Emissions for Sustainability Rating. The International Journal of Climate Change: Impacts and Responses. 1(3), 13-23. [<https://doi.org/10.18848/1835-7156/CGP/v10i03/13-23>] J5. Miller, N. M., and F. M. Tehrani. (2017). Mechanical Properties of Rubberized Lightweight Aggregate Concrete. Journal of Construction and Building Materials. 147(30): 264-271. [<https://doi.org/10.1016/j.conbuildmat.2017.04.155>] J6. Tehrani, F. M. (2015). Noise Abatement of Rubberized Hot Mix Asphalt. International Journal of Pavement Research and Technology. 8(1), 58-61. [doi:10.6135/ijprt.org.tw/2015.8(1).58] J7. Tehrani, Fariborz M., A. Alexandrou, M. Machoney, D. Adhikari, and M. Raymond. (2014) Energy inputs and carbon dioxide emissions from construction equipment during construction of a golf course. International Journal of Engineering Research and Innovation. 6(2), 78-86. [[www.ijeri.org/issues/fall2014/Z_UJERI%20fall%202014%20v6%20n2%20\(PDW-4\).pdf#page=80](http://www.ijeri.org/issues/fall2014/Z_UJERI%20fall%202014%20v6%20n2%20(PDW-4).pdf#page=80)] B1. Tehrani, F. M. (2018). Introducing LECA, in The Application of Light Expanded Clay Aggregate as Sorbent for Oil Spill Cleanup, by M. Pouramini. Ed. by A. N. Esfahani, F. M. Tehrani, M. M. Ziarani, and A. Pouramini. Behjat. ISBN 978-622-6517-05-8. B2. Tehrani, F. M., and N. M. Miller (2018). Tire-derived Aggregate Cementitious Materials: A Review of Mechanical Properties, in Cement-based Materials, Ed. by H. Saleh. Intech. ISBN 978-953-51-5996-4. [<https://www.intechopen.com/books/cement-based-materials/tire-derived-aggregate-cementitious-materials-a-review-of-mechanical-properties>] T1. Tehrani, F. M. (2019). Notes on Fiber-Reinforced Lightweight-Aggregate Structural Concrete and Concrete Masonry, ESCSI E-Newsletter, September 2019. [<https://www.escsi.org/e-newsletter/notes-fiber-reinforced-lightweight-aggregate-structural-concrete-concrete-masonry/>] T2. Nazari, M., F. M. Tehrani, M. Ansari, B. Jeevanlal, F. Rahman, and R. Farshidpour. (2019). Green Strategies for Design and Construction of Non-Auto Transportation Infrastructure. Report 19-17, Mineta Transportation Institute. San Jose: CA. 42 pp. [<https://transweb.sjsu.edu/sites/default/files/1872-Nazari-Green-Strategies-Design-Construction-Non-auto-Transportation-Infrastructure.pdf>] C1. Tehrani, F. M., M. Pouramini, and E. Mohammadiyaghini. (2019). Sustainability Assessment and ENVISION Rating of Lightweight Masonry Walls in Conventional Buildings. Proc. International Conference on Sustainable Infrastructure 2019: Leading Resilient Communities through the 21st Century, Los Angeles, CA, November 6-9, 2019, pp. 502-507. [<https://ascelibrary.org/doi/pdf/10.1061/9780784482650.054>] C2. Tehrani, F. M., Nazari, M., Truong, D., and Farshidpour, R. (2019). Sustainability of Tire-Derived Aggregate Concrete: A Case Study on Energy, Emissions, Economy, and ENVISION. Proc. International Conference on Sustainable Infrastructure 2019: Leading Resilient Communities through the 21st Century, Los Angeles, CA, November 6-9, 2019, pp. 399-408. [<https://ascelibrary.org/doi/pdf/10.1061/9780784482650.043>] C3. Tehrani, F. M., R. Farshidpour, M. Pouramini, M. Mousavi, and A. Namadmalian E. (2018). Sustainability Rating of Lightweight Expanded Clay Aggregates using Energy Inputs and Carbon Dioxide Emissions in Life-cycle Analysis. The Sixth International Symposium on Life-Cycle Civil Engineering, Ghent, Belgium, October 2018, 2989-2993. [ISBN 9781138626331] [www.crcpress.com/Life-Cycle-Analysis-and-Assessment-in-Civil-Engineering-Towards-an-Integrated/Caspeel-Taerwe-Frangopol/p/book/9781138626331] C4. Tehrani, F. M., A. Sadrinezhad, and M. Shafaei Bajestani. (2018). Numerical Simulation of the Dynamic Response of Rail Ballast with Tire-Derived Aggregates. The 11th US National Conference on Earthquake Engineering, Earthquake Engineering Research Institute (EERI), Los Angeles, CA, June 2018, Paper 1337. [<https://11ncee.org/images/program/papers/11NCEE-001337.pdf>] C5. Tehrani, F. M. (2017). Sustainability and Resilience through Project Management. The 5th International Congress on Civil Engineering, Architecture & Urban Development, Sh. Beheshti University, Tehran, December 2017. Paper AB-01440-B. [www.civilica.com/Paper-ICSAU05-ICSAU05_0786.html] C6. Berry, E., B. Shadravan, and F. M. Tehrani. (2017). A Sustainable Approach to Assess the Resilience of Perforated Wood Shear Walls. Proc. AEI Conference, Oklahoma City, OK, April 2017, 506-512. [ascelibrary.org/doi/10.1061/9780784480502.042] W1. Tehrani, F. M. (2018). Assessing Environmental Pollutions in Sustainable Development. Tehran University of Medical Sciences, June 2018. [<http://sph.tums.ac.ir/Portal/home/?generaltext/4588/5530/76318/>] W2. Tehrani, F. M. (2018). From Sustainability to Resilience: A journey through the ISI ENVISION. Infrastructure Objective Resilience, The University of Mississippi, Oxford, MS, March 2018. W3. Tehrani, F. M. (2016). Sustainable and Resilient Structural Engineering Mechanics and Materials (SR-SEMM): Case Studies in Earthquake Engineering. International Institute of Earthquake Engineering and Seismology, December 2016. Externally Funded Projects 1. "Green Strategies for Design and Construction of Non-Auto Transportation Infrastructure", \$37,150, Co-PI (PI: Dr. Maryam Nazari), California State University Transportation Consortium (CSUTC), 2018-2019 2. "Full-Scale Dynamic Testing of MSE Wall with Geotextile Reinforced Lightweight Expanded Clay Aggregates", \$39,200, PI, LECA Co., 2017-2018 3. "Seismic Responses of MSE Walls Using Accelerated Alternative Backfill Materials with Recycled Tire Shreds and Lightweight Expanded Aggregates", \$36,440, Co-PI (PI: Dr. Ming Xiao), California State University, 2011-2013 M.S. Students: (Thesis and Project) 1. Nasreen Pathan, "Behavior of Buckling Restrained Brace Members Containing Tire-derived Aggregates", California State University, 2019 2. Logan Couch, "Resilience of Concentrically Steel Braced Frames with Friction Dampers", California State University, 2018-19 3. John Carreon, "A Numerical Solution of the Flexural Behavior of Tire-Derived Aggregate Concrete", California State University, 2016 4. Saul Rico, "The effects of Lightweight-Aggregate Fiber-Reinforced concrete on the Ductility of Unreinforced Masonry Walls", California State University, 2015 5. Nazmieh Masswadi, "Dynamic Properties of Rubberized Lightweight Aggregate Concrete", California State University, 2015 6. Nathan Miller, "Mechanical Properties of Rubberized Lightweight Aggregate Concrete", California State University, 2014

asdfasdf

I've produced documentary films and other media that share stories of sustainable projects or issues within the valley and beyond.

I work on career sustainability for secondary English teachers -- which sounds odd, but is critical to ensure teachers can be effective and stay in what is a critical profession for our communities and THEIR sustainability. Writing is very much in drafty/thinking stages. But design and teach the methods class with sustainability at the forefront.

1) I have received CSUPERB mini-grant titled "Sustainable Diet to Address the Food, Health and Environment Trilemma" 2) Developed 3 lecture (short) seminar class on "Food sustainability - plant forward diet" for students and are administering it in 7 CSU campuses 3) Working on a NSF grant for developing a center for plant-forward food research

Provide a list or sample of your sustainability-focused research, projects...

"Feeling the Burn: Native Cultural Revitalization, Fire Management and the Re-Greening of California," paper presented at the IAFOR International Conference on Sustainability, Energy and the Environment, January 10-12, 2020, Honolulu, HI. "This Land is Your Land, This Land is My Land": Defending Sacred Sites in Central California," paper presented at the IAFOR International Conference on Sustainability, Energy and the Environment, January 3-5, 2019, Honolulu, HI.

Exploring the use of technology and developing big data applications in sustainability

Public opinion regarding genetic engineering in the context of the challenges of the anthropocene; media effects research regarding environmentally oriented programming; other ideas in development

My research focuses on posthumanism, particularly non-humans (animals and technological beings). As a humanist, I am particularly interested in the ways in which the imaginaries of these beings is functioning, in addition to the ways in which our current ways of thinking/doing shape our ability to imagine more just relationships with non-humans and the natural (as opposed to built) environments.

My current working paper (which was based on my dissertation) investigates the relationship between sustainability investments and financial performance, as my background is in accounting. The data for the paper was collected from seven almond farms located in the central valley.

Service learning class in the Dominican Republic.

Coastal Erosion and Beach Sustainability Groundwater Sustainability Convergence of Environmental Data with Behavioral Analysis Approaches (Interdisciplinary) Soil Erosion and Production

1) Enhancement of the availability of high-quality water supplies through development of an innovative treatment system that can economically convert degraded (saline) water from agricultural operations into water suitable for reuse and thereby help meet the growing demand for it. Current research is focused on sustainable operation of ion exchange followed by distillation in which concentrate from the distiller is used to regenerate the ion exchange resin. 2) Conversion of waste peach and prune pits from food processing operations into activated carbon for purification of contaminated groundwater. 3) Control of methane and other greenhouse gasses at confined animal facilities through improved manure management, including recovery of low-carbon biogas fuel using anaerobic digestion. 4) Conversion of agricultural waste into biodegradable bioplastic. Key Words: Water, wastewater, treatment, foodwaste, manure, fermentation, digestion, greenhouse gas, methane, desalination, activated carbon, ion exchange, distillation, bioplastic.

Influence & Impact of Water Allocation for Salmon Restoration in the San Joaquin River Synthesis questions: What are the impacts of current & future Central Valley water allocations on the success of the San Joaquin River Restoration Program? Can a greater understanding of Chinook salmon habitat needs (in the SJ River) maximize the effectiveness of salmon restoration? Analyzing the presence of micro and macro plastics in the San Joaquin River (with undergrad researcher Marcelo Vidal) Synthesis questions: Is the amount of plastics in the SJR related to likely sources of anthropogenic plastic waste (e.g. recreational areas, highways)? What type of plastics are the source of this pollution? Winter baseflow drivers for stream food web productivity in alpine streams (Lead PI: J. Rüegg, Centre interdisciplinaire de recherche sur la montagne (Interdisciplinary Center for Mountain Research); Université de Lausanne, Switzerland Synthesis questions: Can physical stream characteristics explain spatio-temporal patterns in basal resources in stream food webs? What is the role of melting glaciers & climate change? Interdisciplinary Collaboration on Pressing Environmental Impacts in a Major European Lake: the SeeWandel Project in Lake Constance (Germany, Switzerland, Austria) Synthesis question: What is the impact and the resilience of the Lake Constance ecosystem and native populations to the dual threats of invasive species and climate change?

Researching sustainability in materials used for the purpose of costume design and makeup.

ESG Investing by Private Foundations in California--CalNonprofits The Performance of Impact Investment Strategies in Community Foundations "It's Not what you spend, it's where you Invest"-article, upcoming Foundation Center publication

Impact of stormwater retention basins on house prices in Fresno County Impact of solar panel installations on house prices in Fresno County Impact of park quality on house prices in Fresno County

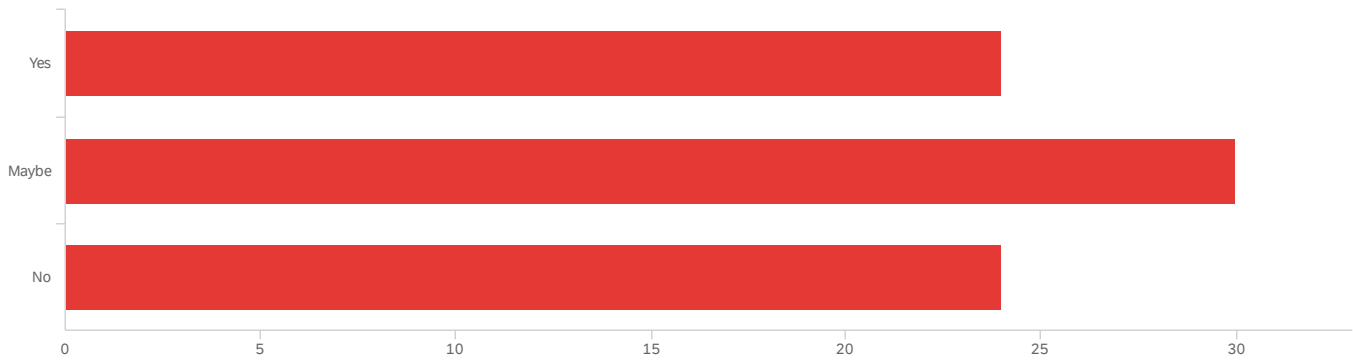
I am currently working on a long-term research project that examines the intersections of policy, city planning, social inequality, environmental racism, and policing. This projects examines how neoliberal reforms in municipal government affect shared responsibility for civic spaces and community. I am in the beginning stages of this work.

aefweewr

Provide a list or sample of your sustainability-focused research, projects...

gsdfdfd

S4 - Are you interested in doing FUTURE sustainability related research or scholarship?



#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	Are you interested in doing FUTURE sustainability related research or scholarship?	1.00	3.00	2.00	0.78	0.62	78

#	Field	Choice Count
1	Yes	30.77% 24
2	Maybe	38.46% 30
3	No	30.77% 24
		78

Showing rows 1 - 4 of 4

S5 - What are your specific areas of interest?

What are your specific areas of interest?

We have worked with the Water Institute's Blue Tech Valley initiative participants to create visualization videos of their sustainable technologies. I have had to take a break from these activities due to excessive workload.

crop production using limited amount of water, enhancing productivity of soil, improving water movement in soil, reclaiming saline soils, finding new crops that would be more sustainable in specific production situations.

Sustainability, food and Water insecurity, access to clean and safe water, fresh food and produce not available to the general public here in the central valley is unthinkable-but not uncommon!

Building sustainability issues. Green code and LEED issues. How that might work in restoration work, not just new construction.

consumers' organic textile and apparel consumption behavior; sustainable practices of the fashion and retail industry

water

I'm the current advisor for the Geography Club - and this year we looked into building a "living green wall" on the south-side entrance of the Science I building. If this were constructed, our students would be able to conduct various experiments using data acquired at the wall (e.g. temperature differences, air quality, social benefits, etc.) and compare/contrast those readings with other locations around campus with perhaps just a plain brick facade.

Food and nutrition and sustainability

Libraries as a models of a circular economy and centers for communities to engage in a culture of sharing resources.

sustainable families

Transportation -- railways and highways infrastructure.

How we can be of support at the library

Sustainability applied to homeless shelters

I am interested in the more sociocultural aspects of sustainability, particularly as they intersect with my areas of expertise in Chicana Studies and motherhood studies. The impetus to be environmentally aware is many times associated with financial status (saving and resuing plastic butter bins for leftovers, using half a napkin, etc.) and will growing concern for the earth after becoming a parent (wanting a good future for the child, safe environment, beauty to enjoy, etc.). I'd be very interested in researching the connections between Latina mothers and the environment here in the Central Valley, looking at their sustainability practices, how those practices connect to identity and motherhood, and how those practices are passed on to their children.

Economic systems; corporate finance; investments

Avian conservation -- the effect of urbanization on bird health.

performance - theatre - entertainment

Any cross over areas related to environmental diversity/racism

What are your specific areas of interest?

Water sustainability: using less water for food, home water recycling systems, clay vessel watering systems. Sustainability: up-cycling common household materials, composting, plastic solutions, non-disposable toiletries, etc...

We have a new NSF grant (Fresno State, CSU Bakersfield, and CSU Stanislaus) designed to improve the lower-division Math and Chemistry curriculum. One of the HIP we are introducing is teaching concepts with a focus on air pollution (which I link sustainability).

Manipulating legal systems so that they promote sustainability as regards natural resources, population, etc.

Public opinion on water sustainability

Ecology of Lake Millerton. Create reefs using discarded Xmas trees thus having an impact on local landfill usage

Corporate sustainability efforts, supply chain sustainability and related consumer perceptions and behaviors

Sustainable resource use. Sustainability training. Sustainable supply chain management.

Sustainability Renewable energy (I used to work in the solar industry) Alternatives to paper and oil Homesteading

biomaterials for sustainability

I study broadcast and digital media, both mainstream and community. At some point, I may look into media coverage (mainly tv and/or their associated websites) of water or sustainability issues here in California, and potentially a more specific case of the Central Valley. There is no timeline for this research at this time. Based on the research obligations I am already undertaking, it will be at least a year away.

Community service and sustainability projects that are student lead to mitigate mental health challenges.

strategies of the past, as influences on literature of the early medieval North Atlantic basin. (I have written previously, for example, on connections between apiculture and metaphors for literacy and monastic community.)

physics, energy

Eliminating food waste

Library Research -supporting local farmer There are many Southeast Asian farmers that haul their vegetables to other counties to sell their vegetables. What and how can we truly support them? Type of vegetable and how far it travels. -keep it local movement

I'm interested in researching practical solutions for everyday people and businessness. Based on previous research that identifies solutions, I might then research how those solutions are implemented in the local area. My expertise is writing as well as interviewing. I am open to working with another researcher(s) in order to document water issues/sustainability.

We have primarily looked at ways of changing human behavior, including increasing recycling and decreasing unnecessary driving.

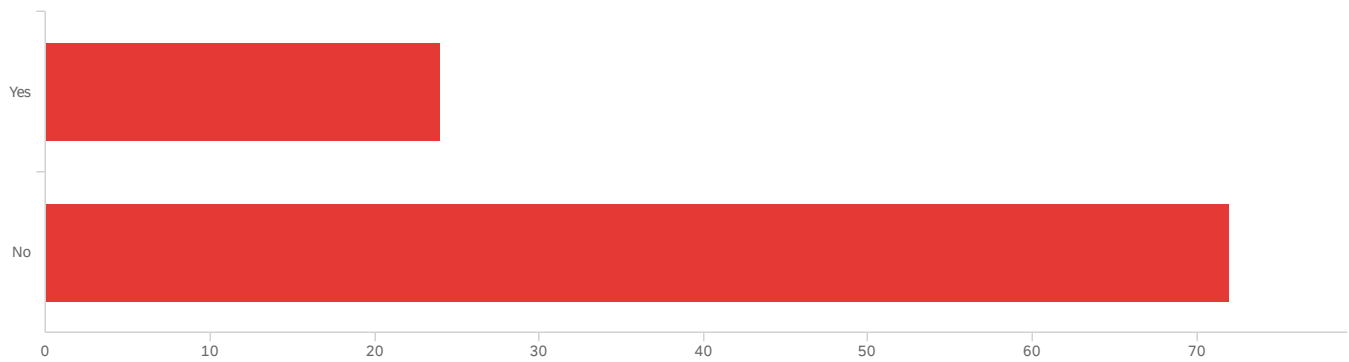
recycling

The Maddy Institute disseminates fact-based, non-partisan information related to public policy issues via tv, radio, podcast and e-newsletters. Given the significance of this topic, it is something we want our audience to remain up to date.

Water and energy

Sustainable Chemistry

W1 - Are you CURRENTLY engaged in water related research or scholarship?



#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	Are you CURRENTLY engaged in water related research or scholarship?	1.00	2.00	1.75	0.43	0.19	96

#	Field	Choice Count
1	Yes	25.00% 24
2	No	75.00% 72

96

Showing rows 1 - 3 of 3

W2 - Provide a list or sample of your water-focused research, projects and/or

publications:

Provide a list or sample of your water-focused research, projects and/or pu...

Mentoring two student projects; working with Tribes Publications are related to federal-Indian law, tribal sovereignty, ecological sustainability and rights to cultural practices and materials, and sovereignty rights movements

Investigating drought and salt-tolerant alternative crops for the west side of the San Joaquin Valley.

Promoting Water Stewardship in Early Education.

See this website <http://www.fresnostate.edu/csm/ees/faculty-staff/wang.html>

I am currently working on pedagogical research to enhance teaching about water quality and health related matters. My current project is through use of Faculty Technology Support Fund for teaching purposes.

Forsythe, L., Jones, I., & Kemp, D. (2018). A Report Card: Progress Under California's Sustainable Groundwater Management Act (SGMA).

Completed poetry manuscript on theme of water "The Water Teacher" -- several poems from this volume have been published recently in Superstition out of ASU: <https://superstitionreview.asu.edu/issue23/poetry/alisonmandaville> I have run a water project "Valley Water Voices" in two classes -- students read about water issues and interviewed local water stakeholders and presented their research in comics long- format. These were displayed at HML.

1) Modeling subsidence due to groundwater depletion 2) Groundwater recharge and improvement technics - Gravity drains, pervious concrete 3) Effect of water depletion on geotechnical structures

Residential water demand. Meta-analysis for water quality.

Subsurface artificial groundwater recharge project - attempting to acquire funds to support this research.

Currently working on a paper that considers aquatic, coastal, and wetland environments on metaphors of viscosity. in Old English poetry.

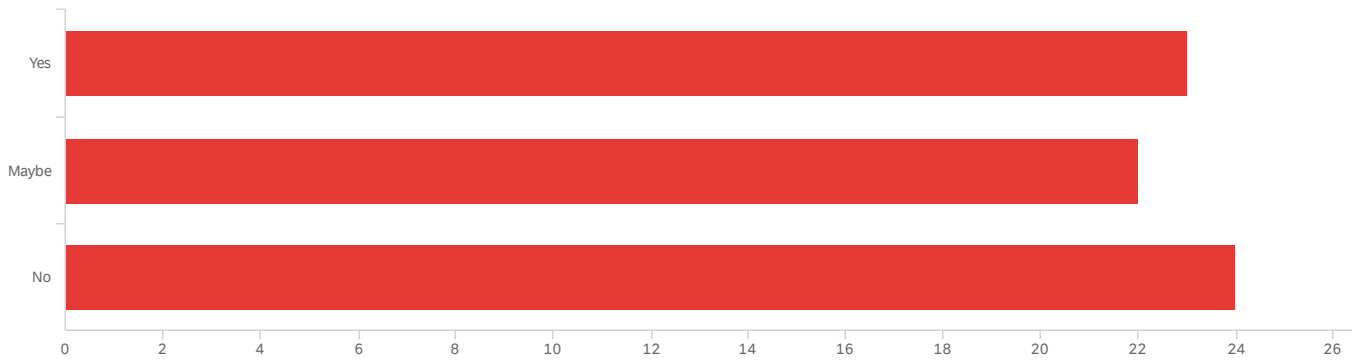
Groundwater Sustainability - would like to do campus water research on new campus well

1) "Optimal Use of Vapor Compression Desalination in Conjunction with Ion Exchange for the Treatment of Agricultural Drainage Water" Research Report in preparation (Jan. 2020) by Karl Longley, Walter Mizuno and William Wright. It will be submitted to the California Dept. of Water Resources. 2) Economical production of activated carbon for purification of contaminated groundwater using waste peach and prune pits from food processing operations. (research in progress). 3) "Occurrence and Management of Geosmin Taste and Odor in a Municipal Water Supply in California's Central Valley." Proc. Calif.-Nev. Section, Americ. Water Works Assoc. Fall Conf., San Diego, California, October, 2012 (Abstract & PowerPoint presentation published). 4) Simultaneous Bio-reduction of Nitrate, Perchlorate, Selenate, Chromate, Arsenate, and Dibromochloropropane Using a Hydrogen-Based Membrane Biofilm Reactor. Research conducted in 2004 to 2007 in partnership with researchers at Northwestern University.

"Fine Water: A Blind Taste Test" with Elena Berg. Journal of Wine Economics 13.1 (2018): 20-40. "Fine Water: A Hedonic Pricing Approach." Journal of Wine Economics 10.2 (2015): 129-150.

fggf

W3 - Are you interested in doing FUTURE water related research or scholarship?



#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	Are you interested in doing FUTURE water related research or scholarship?	1.00	3.00	1.99	0.81	0.65	69

#	Field	Choice Count
1	Yes	33.33% 23
3	Maybe	31.88% 22
2	No	34.78% 24
		69

Showing rows 1 - 4 of 4

W4 - What are your specific areas of interest?

What are your specific areas of interest?

We have worked with the Water Institute's Blue Tech Valley Initiative participants to create visualization videos for their water related technologies. I have had to take a break from this due to excessive workload.

finding suitability of drought tolerant crop to substitute for the susceptible ones, developing better timing of irrigation to reduce frequency and depth of irrigation water used, finding new crops or tweak planting times of existing SJV crops to utilize water from rainfall instead of relying exclusively on irrigation.

Chemical analysis of water quality using various analytical methods

How water is used in the Central Valley.

Geographic Education

What are the most water-draining practices in the Valley, and how can we get the worst offenders to change their ways? For example, getting recycled water to the farms and to the houses and apartments to use for irrigation and toilet flushing rather than using drinking water. This is really not my area of research, just an idea I'm interested in generally.

Irrigation practices

Clean water as a human right. Sustainable off-grid water/energy systems. Decentralizing the power grid. Creating smarter living systems to maximize efficiency of water and energy use.

underground water, wells, etc.

How we can be of support at the library

Corporate social responsibility

performance - theatre - entertainment

Crossover with diversity elements.

Water as a theme for a campus-wide common read

Storytelling, filmmaking, photography. I have produced many environmental stories.

economics of enhanced ground water storage and usage; economics of private citizen water rights

My promotions course students will develop marketing communications to support the EPA Trash-Free Waters initiative.

Ocean science

Water storage vs. non storage Ocean levels rising Just interested to know more about water in general.

Water purification

What are your specific areas of interest?

water as it relates to the health and well being of populations

Public opinion regarding pumped hydro as a sustainable energy source

See the previous answer.

physics, energy

The political nature of the State California ignores the fact that we have not built a reservoir in this state since 1983. Since that time our population has doubled but the shortsighted vision of the legislators and governors of the state of California have virtually nothing to increase our water supply. On the contrary trillions of gallons of water that we so desperately need are allowed to flow from the San Joaquin Valley into San Francisco Bay. The fresh water mixing with the sea water has created an unprecedented environmental disaster in the waters surrounding San Francisco. I would like to work to change the political climate that continues to keep us dry.

water quality, metagenomics of water in Fresno

I don't have a preference but am open to wherever I might contribute.

Impact of water availability on land prices

Conflict

dsafsadfsd

End of Report