Stanford



Jenna Davis

Professor of Civil and Environmental Engineering, of Environmental Social Sciences and Higgins-Magid Senior Fellow at the Woods Institute

CONTACT INFORMATION

- **Administrator**

  Carine Sauquet - Administrative Associate

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Bio

BIO

Jennifer (“Jenna”) Davis is Professor of Civil and Environmental Engineering and the Higgins-Magid Senior Fellow at the Woods Institute for the Environment, both of Stanford University. She also heads the Stanford Program on Water, Health & Development. Professor Davis’ research and teaching is focused at the nexus of water, economic development and public health, particularly in low- and middle-income countries. She has conducted field research in more than 20 countries, including most recently Zambia, Bangladesh, and Uganda.

ACADEMIC APPOINTMENTS

- Professor, Civil and Environmental Engineering
- Senior Fellow, Stanford Woods Institute for the Environment
- Professor, Environmental Social Sciences
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Director, Stanford Program on Water, Health & Development, (2015- present)

HONORS AND AWARDS

- Leopold Leadership Fellow, Stanford University (2018)
- WASH Alliance Prize recipient, Reed Elsevier Environmental Challenge, Stanford University, Lotus Water Team (2014)
- Higgins-Magid Fellow, Stanford University (2010)
- Clayman Institute Faculty Fellow, Stanford University, Clayman Institute for Gender Research (2009-2010)
- Finalist, Water for All Competition, Suez Environment Foundation (2009)
- Eugene L. Grant Teaching Award, Stanford University (2007)
- Irwin Sizer Award for the Most Significant Improvement to MIT Education, Massachusetts Institute of Technology (2006)

- MIT IDEAS Award ("Innovative Projects with the Potential to Make a Positive Change in the World"), Massachusetts Institute of Technology (2005)
- Research Award, Mellon-MIT Program on NGOs and Forced Migration, Massachusetts Institute of Technology (2005)
- Service Learning Award, Massachusetts Institute of Technology, Public Service Center (2005)
- Salzburg Fellow, Salzburg Seminar, Austria (2001)
- Ford Professional Development Chair, Massachusetts Institute of Technology (1998-2002)
- Office of Research and Development STAR Fellow, United States Environmental Protection Agency (1996-1998)
- Award for Outstanding Service to the Community, North Carolina Governor's Volunteer Service Award (1996)
- Foreign Language/Area Studies Fellow, University of North Carolina at Chapel Hill, Institute of Latin American Studies (1995-1996)
- Frank Porter Graham Honor Society Award, University of North Carolina-Chapel Hill (1994)
- Florence Schepp Fellow, Leopold Schepp Foundation (1993-1994)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, Faculty Advisory Board, Stanford Center for Poverty and Development (2017 - present)
- Member, Advisory Board, US Agency for International Development Sustainable WASH Systems Initiative (2017 - 2021)
- Member, Executive Committee, Stanford Program in Sustainable Science & Practice (2016 - present)
- Associate Editor, Water Security (2016 - 2018)
- Senior Fellow, Stanford Center for Innovation in Global Health (2015 - present)
- Member and co-Chair, Environmental Ventures Program, Stanford Woods Institute (2012 - 2016)
- Faculty Advisor, Stanford chapter, Engineers for a Sustainable World (2011 - 2015)
- Member, Expert Working Group on Global Sanitation Monitoring, World Health Organization and the United Nations (2011 - 2014)
- Co-founder and Faculty Lead, Stanford Program on Water, Health & Development (2010 - present)
- Member, Advisory Board,, Center for Latin American Studies, Stanford University (2010 - 2016)
- Co-faculty Advisor, Stanford chapter, Engineers for a Sustainable World (2010 - 2011)
- Member, Earth Systems review committee, Stanford University (2010 - 2011)
- Member, Gendered Innovations Faculty Advisory Board, Clayman Institute for Gender Research, Stanford University (2010 - 2011)
- Member, Executive Committee, Emmett Interdisciplinary Graduate Program on Environment & Resources, Stanford University (2009 - 2020)
- Member, Association of Environmental Engineering and Science Professors (ASEEP) Committee, President's Initiative on "Framing and Expanding Opportunities for Environmental Research using Economic, Financial, and Business Entrepreneurship Principles (2009 - 2011)
- Associate Editor, Journal of Water Quality, Exposure & Health (2008 - 2016)
- Member, Global Water Partnership Technical Executive Committee (2008 - 2016)
- Member, Winrock Water editorial board (2004 - 2015)
- Water and Environment Advisor, Acumen Fund (2004 - 2009)
- Member, Global Village Engineers Board of Directors (2004 - 2008)
- Member, United Nations Millennium Development Task Force for Water and Sanitation (2003 - 2005)
- Advisor, Project BRAVO (NGO promoting household biosand filters) (2003 - 2004)
- Panel chair, "Meeting the Millennium Development Goals for water.", Harvard International Development Conference, Harvard University (2003 - 2003)
- Member, 1-year degree program scoping committee, Department of Urban Studies & Planning, Massachusetts Institute of Technology (2002 - 2003)
- Instructor on water pricing and urban upgrading workshop, Department of Urban Studies & Planning Summer Development, Massachusetts Institute of Technology (2001 - 2002)
- Lead faculty member, MIT-Boston University Urban Africa Initiative (2000 - 2002)

- Member of core curriculum review panel, Department of Urban Studies & Planning, Massachusetts Institute of Technology (2000 - 2001)
- Research proposal reviewer, The National Science Foundation, US Agency for International Development, the International Vaccine Institute, the National Geographic Society, the Harvard Institute for International Development, the UK Department for International Development, and the World Bank (1999 - present)
- Reviewer, Environmental Science &Technology, Water Resources Research, Journal of Environmental Management, World Development, Water Policy, Environmental Engineering Science, International Development & Planning Review, American Journal of Tropical Medicine & Hygiene, International Journal of Tropical Medicine & Hygiene (1999 - present)
- Group head of graduate admissions, Department of Urban Studies & Planning, Massachusetts Institute of Technology (1999 - 2001)
- Member, The International Water Association, International Water History Association, Water Supply and Sanitation Collaborative Council, Association of Collegiate Schools of Planning, and American Association of University Women (1998 - present)
- Member, Master of City Planning Degree committee, Massachusetts Institute of Technology (1998 - 2002)

PROGRAM AFFILIATIONS

- Center for Latin American Studies

PROFESSIONAL EDUCATION

- PhD, UNC-Chapel Hill , Environmental Science & Engineering
- MSPH, UNC-Chapel Hill , Public Health

COMMUNITY AND INTERNATIONAL WORK

- Point-of-collection disinfection, Bangladesh
- Container-based sanitation solutions, Bangladesh

LINKS

- Davis lab group website: http://jennadavis.stanford.edu
- Stanford Program on Water, Health & Development: http://water.stanford.edu

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Professor Davis' research and teaching deals broadly with the roles that water plays in advancing public health and economic development, with particular emphasis on low- and middle-income countries. With a background in public health, infrastructure planning, and environmental science & engineering, Davis works at the interface of engineered infrastructure systems and their users. Her group conducts applied research that utilizes theory and analytical methods from public and environmental health, engineering, microeconomics, and planning. Research efforts include the development and testing of strategies to stimulate investment in, and enhance long-term sustainability of, water, sanitation, and hygiene from the household to the global level. The group has also worked on developing technologies that address persistent gaps in service to vulnerable populations. A third area of research focuses on quantifying the health and economic impacts of service improvements, and the conditions under which such benefits are maximized. Davis has conducted field research in more than 20 countries, most recently including Zambia, Bangladesh, and Kenya.

PROJECTS

- Chlorine Disinfection Systems For Low Income Urban Areas: Bangladesh - Stanford Program on Water, Health & Development
- School-based educational and infrastructure investments to enhance child health - Stanford Program on Water, Health & Development
- Estimating effective demand for and well-being impacts of improved rural water infrastructure reliability - Stanford Program on Water, Health & Development

Teaching

COURSES

2026-27

- Advanced Field Methods in Water, Health and Development: CEE 277F (Win, Spr)
- Advanced Topics in Water, Health and Development: CEE 374W (Aut, Spr)
- Fundamentals of Applied Research Design: CEE 270F (Spr)
- Introduction to Fuzzy Set Qualitative Comparative Analysis (fsQCA): CEE 277A (Spr)
- Water and Sanitation in Low- and Middle-Income Countries: CEE 265D (Aut)

2025-26

- Advanced Field Methods in Water, Health and Development: CEE 277F (Spr)
- Advanced Topics in Water, Health and Development: CEE 374W (Aut, Spr)
- Fundamentals of Applied Research Design: CEE 270F (Aut)

2024-25

- Advanced Field Methods in Water, Health and Development: CEE 277F (Aut, Win, Spr)
- Advanced Topics in Water, Health and Development: CEE 374W (Aut, Win, Spr)
- Water and Sanitation in Developing Countries: CEE 265D (Spr)

2023-24

- Advanced Field Methods in Water, Health and Development: CEE 277F (Aut, Win, Spr, Sum)
- Advanced Topics in Water, Health and Development: CEE 374W (Aut, Win, Spr, Sum)
- Fundamentals of Applied Research Design: CEE 270F (Spr)
- Water and Sanitation in Developing Countries: CEE 265D (Win)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Aadhi Mohanavelu

Master's Program Advisor

Ginger Buck, Katrina Isabel Cancio, Adam Kerr (MS CEE), Kailee Oyama, Dillan Saltsman, Tianxing Zhao

Doctoral (Program)

Toheedat Bakare, Jordon Horton, Camila Van Oost

Publications

PUBLICATIONS

- **Functionality of school WASH infrastructure: a qualitative observational study of operation and maintenance systems in Uttar Pradesh, India.** *BMJ public health*
  Banerjee, R., Chauhan, K., Hornsby, G., Badamikar, A., Priya, P., Bhatt, D., Pu, C., Winter, J., Davis, J., Darmstadt, G. L., Saith, R.
  2026; 4 (3): e004893
- **Methodology for measuring behavior change dictates the perceived effectiveness of school-based WASH interventions.** *Frontiers in public health*
  Hornsby, G., Pham, C., Davis, J., Darmstadt, G. L.
  2026; 14: 1833899

- **Economic benefits of small-scale irrigation are associated with prevalence of irrigation nearby** *ENVIRONMENTAL RESEARCH COMMUNICATIONS*
  Pu, C. J., Lambin, E. F., Seme, A., Davis, J.
  2025; 7 (10)
- **How poverty is measured impacts who gets classified as impoverished.** *Proceedings of the National Academy of Sciences of the United States of America*
  Pu, C. J., Lambin, E. F., Kusimakwe, I., Gichia, L., Seme, A., Otupiri, E., Davis, J.
  2024; 121 (7): e2316730121
- **Safe Today, Unsafe Tomorrow: Tanzanian Households Experience Variability in Drinking Water Quality.** *Environmental science & technology*
  Harris, A. R., Daly, S. W., Pickering, A. J., Mrisho, M., Harris, M., Davis, J.
  2023
- **Safe and sustainable water in cities** *PLOS WATER*
  Narayan, A., Davis, J.
  2023; 2 (10)
- **Traversing the waterways** *PLOS WATER*
  Walker, D., Horwitz, P., Davis, J.
  2023; 2 (2)
- **Inter- and intra-rater reliability of handpump functionality field tests.** *The Science of the total environment*
  Smith, D. W., Wind, S., Markov, I. A., Ongom, S. A., Davis, J.
  2023: 161616
- **Does professionalizing maintenance unlock demand for more reliable water supply? Experimental evidence from rural Uganda** *WORLD DEVELOPMENT*
  Smith, D. W., Ongom, S., Davis, J.
  2023; 161
- **Effects of Intrusion on Disinfection Byproduct Formation in Intermittent Distribution Systems** *ACS ES&T WATER*
  Furst, K. E., Smith, D. W., Bhatta, L. R., Islam, M., Sultana, S., Rahman, M., Davis, J., Mitch, W. A.
  2022; 2 (5): 807-816
- **PLOS Water: A bridge and a voice for the water sectors** *PLOS WATER*
  Davis, J., Horwitz, P.
  2022; 1 (2)
- **Necessary conditions for sustainable water and sanitation service delivery in schools: A systematic review.** *PloS one*
  Pu, C. J., Patel, P., Hornsby, G., Darmstadt, G. L., Davis, J.
  2022; 17 (7): e0270847
- **Design, performance, and demand for a novel in-line chlorine doser to increase safe water access** *NPJ CLEAN WATER*
  Powers, J. E., McMurry, C., Gannon, S., Drolet, A., Oremo, J., Klein, L., Crider, Y., Davis, J., Pickering, A. J.
  2021; 4 (1)
- **Chlorine taste can increase simulated exposure to both fecal contamination and disinfection byproducts in water supplies.** *Water research*
  Smith, D. W., Islam, M., Furst, K. E., Mustaree, S., Crider, Y. S., Akter, N., Islam, S. A., Sultana, S., Mahmud, Z. H., Rahman, M., Mitch, W. A., Davis, J.
  2021; 207: 117806
- **The impact of on-premises piped water supply on fecal contamination pathways in rural Zambia** *NPJ CLEAN WATER*
  Winter, J. C., Darmstadt, G. L., Boehm, A. B., Davis, J.
  2021; 4 (1)
- **The potential of school-based WASH programming to support children as agents of change in rural Zambian households.** *BMC public health*
  Winter, J. C., Darmstadt, G. L., Lee, S. J., Davis, J.
  2021; 21 (1): 1812

- **Effective Demand for In-Line Chlorination Bundled with Rental Housing in Dhaka, Bangladesh.** *Environmental science & technology*
  Smith, D. W., Sultana, S., Crider, Y. S., Islam, S. A., Swarthout, J. M., Goddard, F. G., Rabbani, A., Luby, S. P., Pickering, A. J., Davis, J.
  2021
- **The role of piped water supplies in advancing health, economic development, and gender equality in rural communities.** *Social science & medicine (1982)*
  Winter, J. C., Darmstadt, G. L., Davis, J.
  2021: 113599
- **Ingestion of Fecal Bacteria along Multiple Pathways by Young Children in Rural Bangladesh Participating in a Cluster-Randomized Trial of Water, Sanitation, and Hygiene Interventions (WASH Benefits).** *Environmental science & technology*
  Kwong, L. H., Ercumen, A., Pickering, A. J., Arsenault, J. E., Islam, M., Parvez, S. M., Unicomb, L., Rahman, M., Davis, J., Luby, S. P.
  2020
- **Estimating energy expenditure of head-hauling water and grain grinding from heart rate monitor measurements in northern Mozambique.** *Public health nutrition*
  Russel, K. C., Buman, M. P., Davis, J., Haskell, W. L.
  2020: 1–12
- **Participatory science for coastal water quality: freshwater plume mapping and volunteer retention in a randomized informational intervention** *ENVIRONMENTAL SCIENCE-PROCESSES & IMPACTS*
  Jennings, W. C., Cunniff, S., Lewis, K., Deres, H., Reineman, D. R., Davis, J., Boehm, A. B.
  2020; 22 (4): 918-929
- **Ruminant Fecal Contamination of Drinking Water Introduced Post-Collection in Rural Kenyan Households.** *International journal of environmental research and public health*
  Hamzah, L., Boehm, A. B., Davis, J., Pickering, A. J., Wolfe, M., Mureithi, M., Harris, A.
  2020; 17 (2)
- **Age-related changes to environmental exposure: variation in the frequency that young children place hands and objects in their mouths** *JOURNAL OF EXPOSURE SCIENCE AND ENVIRONMENTAL EPIDEMIOLOGY*
  Kwong, L. H., Ercumen, A., Pickering, A. J., Unicomb, L., Davis, J., Luby, S. P.
  2020; 30 (1): 205–16
- **Participatory science for coastal water quality: Freshwater plume mapping and volunteer retention in a randomized informational intervention** *Environmental Science: Processes & Impacts*
  Jennings, W. C., et al
  2020
- **Soil ingestion among young children in rural Bangladesh.** *Journal of exposure science & environmental epidemiology*
  Kwong, L. H., Ercumen, A., Pickering, A. J., Unicomb, L., Davis, J., Leckie, J. O., Luby, S. P.
  2019
- **Is it time to move beyond the trihalomethane paradigm in developing countries? Lessons learned from wastewater-impacted drinking waters in South Asia**
  Furst, K., Coyte, R., Smith, D., Davis, J., Vengosh, A., Mitch, W.
  AMER CHEMICAL SOC.2019
- **Broad approaches to cholera control in Asia: Water, sanitation and handwashing.** *Vaccine*
  Luby, S. P., Davis, J., Brown, R. R., Gorelick, S. M., Wong, T. H.
  2019
- **Comparison of analytical techniques to explain variability in stored drinking water quality and microbial hand contamination of female caregivers in Tanzania** *ENVIRONMENTAL SCIENCE-PROCESSES & IMPACTS*
  Harris, A. R., Pickering, A. J., Boehm, A. B., Mrisho, M., Davis, J.
  2019; 21 (5): 893–903
- **Age-related changes to environmental exposure: variation in the frequency that young children place hands and objects in their mouths.** *Journal of exposure science & environmental epidemiology*
  Kwong, L. H., Ercumen, A., Pickering, A. J., Unicomb, L., Davis, J., Luby, S. P.
  2019

- **EVALUATING FETCHING TIME, WATER USAGE AND DIARRHEA PREVALENCE IN RURAL PIPED WATER SYSTEMS IN SOUTHERN ZAMBIA**
  Winter, J., Davis, J.
  AMER SOC TROP MED & HYGIENE.2019: 579–80

- **Correction to: Age-related changes to environmental exposure: variation in the frequency that young children place hands and objects in their mouths.** *Journal of exposure science & environmental epidemiology*
  Kwong, L. H., Ercumen, A. n., Pickering, A. J., Unicomb, L. n., Davis, J. n., Luby, S. P.
  2019

- **Comparison of analytical techniques to explain variability in stored drinking water quality and microbial hand contamination of female caregivers in Tanzania.** *Environmental science. Processes & impacts*
  Harris, A. R., Pickering, A. J., Boehm, A. B., Mrisho, M. n., Davis, J. n.
  2019

- **Pathways to sustainability: A fuzzy-set qualitative comparative analysis of rural water supply programs** *JOURNAL OF CLEANER PRODUCTION*
  Marks, S. J., Kumpel, E., Guo, J., Bartram, J., Davis, J.
  2018; 205: 789–98

- **Costs and benefits of biogas recovery from communal anaerobic digesters treating domestic wastewater: Evidence from peri-urban Zambia** *JOURNAL OF ENVIRONMENTAL MANAGEMENT*
  Laramee, J., Tilmans, S., Davis, J.
  2018; 210: 23–35

- **Can you taste it? Taste detection and acceptability thresholds for chlorine residual in drinking water in Dhaka, Bangladesh** *SCIENCE OF THE TOTAL ENVIRONMENT*
  Crider, Y., Sultana, S., Unicomb, L., Davis, J., Luby, S. P., Pickering, A. J.
  2018; 613: 840–46

- **Fecal Contamination on Produce from Wholesale and Retail Food Markets in Dhaka, Bangladesh** *AMERICAN JOURNAL OF TROPICAL MEDICINE AND HYGIENE*
  Harris, A. R., Islam, M., Unicomb, L., Boehm, A. B., Luby, S., Davis, J., Pickering, A. J.
  2018; 98 (1): 287–94

- **ENVIRONMENTAL EXPOSURE OF RURAL BANGLADESHI CHILDREN 3-18 MONTHS OLD FROM HAND-AND OBJECT-MOUTHING**
  Kwong, L. H., Ercumen, A., Pickering, A. J., Unicomb, L., Davis, J., Luby, S. P.
  AMER SOC TROP MED & HYGIENE.2017: 582–83

- **Soil-Transmitted Helminth Eggs Are Present in Soil at Multiple Locations within Households in Rural Kenya** *PLOS ONE*
  Steinbaum, L., Njenga, S. M., Kihara, J., Boehm, A. B., Davis, J., Null, C., Pickering, A. J.
  2016; 11 (6)

- **Hand- and Object-Mouthing of Rural Bangladeshi Children 3-18 Months Old** *INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH*
  Kwong, L. H., Ercumen, A., Pickering, A. J., Unicomb, L., Davis, J., Luby, S. P.
  2016; 13 (6)

- **Ruminants Contribute Fecal Contamination to the Urban Household Environment in Dhaka, Bangladesh** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
  Harris, A. R., Pickering, A. J., Harris, M., Doza, S., Islam, M. S., Unicomb, L., Luby, S., Davis, J., Boehm, A. B.
  2016; 50 (9): 4642-4649

- **Field trial of an automated batch chlorinator system at shared water points in an urban community of Dhaka, Bangladesh** *JOURNAL OF WATER SANITATION AND HYGIENE FOR DEVELOPMENT*
  Amin, N., Crider, Y. S., Unicomb, L., Das, K. K., Gope, P. S., Mahmud, Z. H., Islam, M. S., Davis, J., Luby, S. P., Pickering, A. J.
  2016; 6 (1): 32-41

- **User perceptions of and willingness to pay for household container-based sanitation services: experience from Cap Haitien, Haiti** *ENVIRONMENT AND URBANIZATION*
  Russel, K., Tilmans, S., Kramer, S., Sklar, R., Tillias, D., Davis, J.
  2015; 27 (2): 525-540

- **User perceptions of and willingness to pay for household container-based sanitation services: experience from Cap Haitien, Haiti.** *Environment and urbanization*
  Russel, K., Tilmans, S., Kramer, S., Sklar, R., Tillias, D., Davis, J.
  2015; 27 (2): 525-540

- **SOIL-TRANSMITTED HELMINTH CONTAMINATION OF SOIL IN RURAL KENYAN HOUSEHOLDS**
  Steinbaum, L. E., Nelson, K., Ercumen, A., Kwong, L., Kihara, J., Njenga, S., Boehm, A., Davis, J., Null, C., Pickering, A.
  AMER SOC TROP MED & HYGIENE.2015: 9

- **Quantification of Human Norovirus GII on Hands of Mothers with Children Under the Age of Five Years in Bagamoyo, Tanzania.** *The American journal of tropical medicine and hygiene*
  Mattioli, M. C., Davis, J., Mrisho, M., Boehm, A. B.
  2015; 93 (3): 478-484

- **Container-based sanitation: assessing costs and effectiveness of excreta management in Cap Haitien, Haiti** *ENVIRONMENT AND URBANIZATION*
  Tilmans, S., Russel, K., Sklar, R., Page, L., Kramer, S., Davis, J.
  2015; 27 (1): 89-104

- **Container-based sanitation: assessing costs and effectiveness of excreta management in Cap Haitien, Haiti.** *Environment and urbanization*
  Tilmans, S., Russel, K., Sklar, R., Page, L., Kramer, S., Davis, J.
  2015; 27 (1): 89-104

- **Hand-to-Mouth Contacts Result in Greater Ingestion of Feces than Dietary Water Consumption in Tanzania: A Quantitative Fecal Exposure Assessment Model.** *Environmental science & technology*
  Mattioli, M. C., Davis, J., Boehm, A. B.
  2015; 49 (3): 1912-1920

- **Health and development at the food-water nexus** *The Evolving Sphere of Food Security*
  Davis, J., Bendavid, E., Pickering, A., Naylor , R.
  edited by Naylor , R.
  Oxford University Press.2015

- **Differences in Field Effectiveness and Adoption between a Novel Automated Chlorination System and Household Manual Chlorination of Drinking Water in Dhaka, Bangladesh: A Randomized Controlled Trial.** *PloS one*
  Pickering, A. J., Crider, Y., Amin, N., Bauza, V., Unicomb, L., Davis, J., Luby, S. P.
  2015; 10 (3): e0118397

- **Community Participation and Water Supply Sustainability: Evidence from Handpump Projects in Rural Ghana** *JOURNAL OF PLANNING EDUCATION AND RESEARCH*
  Marks, S. J., Komives, K., Davis, J.
  2014; 34 (3): 276–86

- **The challenge of global water access monitoring: evaluating straight-line distance versus self-reported travel time among rural households in Mozambique.** *Journal of water and health*
  Ho, J. C., Russel, K. C., Davis, J.
  2014; 12 (1): 173-83

- **Enteric Pathogens in Stored Drinking Water and on Caregiver's Hands in Tanzanian Households with and without Reported Cases of Child Diarrhea** *PLOS ONE*
  Mattioli, M. C., Boehm, A. B., Davis, J., Harris, A. R., Mrisho, M., Pickering, A. J.
  2014; 9 (1)

- **The potential for financing small-scale wastewater treatment through resource recovery: experience from Bocas del Toro, Panama** *JOURNAL OF WATER SANITATION AND HYGIENE FOR DEVELOPMENT*
  Tilmans, S., Diaz-Hernandez, A., Nyman, E., Davis, J.
  2014; 4 (3): 449-459

- **The entrepreneurship myth in small-scale service provision: Water resale in Maputo, Mozambique** *JOURNAL OF WATER SANITATION AND HYGIENE FOR DEVELOPMENT*
  Zuin, V., Ortolano, L., Davis, J.

2014; 4 (2): 281-292

- **Site fights: Explaining variation in opposition to pipeline projects in the developing world** *Megaproject Planning and Management: Essential Readings*
  McAdam, D., Schafer, H., Davis, J., Orr, R.
  edited by Elgar, E.
  Cheltenham, UK and Northampton, MA.2014
- **Exploring the link between the productive use of rural piped water and system sustainability in Senegal** *Water Alternatives*
  Hall, R. P., Vance, E., van Houweling , E., Davis, J.
  2014; 7 (3): 480-498
- **The challenge of global water access monitoring: evaluating straight-line distance versus self-reported travel time among rural households in Mozambique** *JOURNAL OF WATER AND HEALTH*
  Ho, J. C., Russel, K. C., Davis, J.
  2014; 12 (1): 173-183
- **Video surveillance captures student hand hygiene behavior, reactivity to observation, and peer influence in kenyan primary schools.** *PloS one*
  Pickering, A. J., Blum, A. G., Breiman, R. F., Ram, P. K., Davis, J.
  2014; 9 (3)
- **Access to waterless hand sanitizer improves student hand hygiene behavior in primary schools in nairobi, kenya.** *American journal of tropical medicine and hygiene*
  Pickering, A. J., Davis, J., Blum, A. G., Scalmanini, J., Oyier, B., Okoth, G., Breiman, R. F., Ram, P. K.
  2013; 89 (3): 411-418
- **Mechanisms of post-supply contamination of drinking water in Bagamoyo, Tanzania.** *Journal of water and health*
  Harris, A. R., Davis, J., Boehm, A. B.
  2013; 11 (3): 543-554
- **Economic and environmental impacts of domestic bio-digesters: Evidence from Arusha, Tanzania** *ENERGY FOR SUSTAINABLE DEVELOPMENT*
  Laramee, J., Davis, J.
  2013; 17 (3): 296-304
- **Hands and Water as Vectors of Diarrhea! Pathogens in Bagannoyo, Tanzania** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
  Mattioli, M. C., Pickering, A. J., Gilsdorf, R. J., Davis, J., Boehm, A. B.
  2013; 47 (1): 355-363
- **Does sense of ownership matter for rural water system sustainability? Evidence from Kenya** *Journal of Water, Sanitation, and Hygiene for Development*
  Marks, S., Onda, K., Davis, J.
  2013; 2 (3): 122–133
- **Socioeconomic and environmental impacts of domestic bio-digesters: Evidence from Arusha, Tanzania** *Energy for Sustainable Development*
  Laramee, J., Davis, J.
  2013
- **Does User Participation Lead to Sense of Ownership for Rural Water Systems? Evidence from Kenya** *WORLD DEVELOPMENT*
  Marks, S. J., Davis, J.
  2012; 40 (8): 1569-1576
- **Fecal Contamination and Diarrheal Pathogens on Surfaces and in Soils among Tanzanian Households with and without Improved Sanitation** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
  Pickering, A. J., Julian, T. R., Marks, S. J., Mattioli, M. C., Boehm, A. B., Schwab, K. J., Davis, J.
  2012; 46 (11): 5736-5743
- **Freshwater Availability and Water Fetching Distance Affect Child Health in Sub-Saharan Africa** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
  Pickering, A. J., Davis, J.

2012; 46 (4): 2391-2397

- **The role of productive water use in women's livelihoods: Evidence from rural Senegal** *Water Alternatives*
  Houweling, E., van, Hall, R., Diop, A., S., Davis, J., Seiss, M.
  2012; 3 (5): 658-677

- **Water supply services for Africa's urban poor: the role of resale** *JOURNAL OF WATER AND HEALTH*
  Zuin, V., Ortolano, L., Alvarinho, M., Russel, K., Thebo, A., Muximpua, O., Davis, J.
  2011; 9 (4): 773-784

- **Increasing the Role of Economics in Environmental Research (or Moving beyond the Mindset That Economics = Accounting)** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
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