

## **Daniel J. Van Abs, PhD, PP/AICP**

Associate Professor of Practice for Water, Society and the Environment  
Rutgers, The State University of New Jersey  
School of Environmental and Biological Sciences  
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### **Professional Experience**

Rutgers University faculty member addressing water resources, water infrastructure, environmental policy, and regional environmental management. Over 30 years of public and non-profit sector professional and management experience developing and implementing highly recognized programs in watershed protection, water supply management, water quality pollution control, open space planning, land use management and wastewater management. Many projects have involved wide-ranging cooperative efforts with government, non-profit, for-profit, and public interests, with funding from foundations and government. Frequent public speaker on water and watershed policy, planning and management issues.

### **Education & Professional Accreditation**

Strong educational background in both environment policy and management and the natural and earth sciences, with a specialty in regional environmental management. Licensed NJ professional planner.

- PhD, State University of New York, College of Environmental Science and Forestry in association with Syracuse University, Graduate Program in Environmental Science (Environmental Policy Option)
- BS in Environmental Studies with high honors, Cook College, Rutgers University
- Licensed Professional Planner, State of New Jersey, LI#005637
- Certified Planner, American Institute of Certified Planners
- Certified Public Manager, Rutgers University and the NJ Department of Personnel

### **Related Activities**

Numerous publications, conference presentations, guest lectures at NJ universities. Extensive professional involvement on State advisory boards, and volunteer leadership in non-profit organizations. Current responsibilities include:

- New Jersey Clean Water Council, Governor's appointment, Chair 2014-2015
- New Jersey Water Supply Advisory Council, Technical Advisor
- Stony Brook-Millstone Watershed Association, Board of Trustees
- Passaic River Coalition, Board of Trustees
- Water Research Foundation, Academic Council, 2016-2018
- Jersey Water Works, Steering Committee

## **Complete Professional Experience**

- 2016 to present Affiliated Graduate Faculty in the Department of Landscape Architecture, Rutgers University, School of Environmental and Biological Sciences (SEBS).
- 2012 to present Associate Professor of Practice for Water, Society and Environment, Rutgers University, School of Environmental and Biological Sciences, Department of Human Ecology. Undergraduate teaching, research projects and public service.
- 2007 to 2012 Senior Director for Planning & Science, Highlands Water Protection and Planning Council (NJ). Responsible for managing staff in the development and implementation of the Highlands Regional Master Plan. Final three months as Acting Deputy and Executive Director.
- 1999 to 2007 Director of Watershed Protection Programs, New Jersey Water Supply Authority. Created source water protection program; managed development of the Raritan Basin Watershed Management Plan and subsequent implementation projects.
- 1993 to 1998 Assistant Administrator, Office of Environmental Planning, New Jersey Department of Environmental Protection (NJDEP). Responsible for management of water supply and water quality planning, including ground and surface water quality standards, Statewide Water Supply Plan, wastewater management planning, and watershed management planning program.
- 1986 to 1992 Principal Planner and Environmental Scientist (supervisory positions), NJDEP. Responsible for ground water quality standards, wellhead protection program and ground water strategy.
- 1982 to 1986 Technical Director, Passaic River Coalition. Responsible for ground water research, water supply planning and riverfront parks and restoration projects, among others.
- 1977 to 1978 Assistant Director, Youth Environmental Society. Statewide youth leadership training programs.
- Various Rutgers University, Part-time Lecturer, 1989-90, 2002, 2011-2013

## **Complete Public Service**

### **Boards, Councils and Commissions**

- 2015 to present Jersey Water Works, Steering Committee
- 2014 to present Stony Brook-Millstone Watershed Association, Board of Trustees. 1992-98 (Vice President 1997-98), 2014-2017 (Executive Committee; Chair, Science & Technical Issues Committee)
- 2013 to present Passaic River Coalition, Board of Trustees. Chair, Technical Committee
- 2005 to present New Jersey Clean Water Council, Governor's appointment. Vice Chair, 2010-13; Chair, 2014-15.
- 2005 to 2014 South Brunswick Environmental Commission. Vice Chair 2008, Chairman 2009-2012.
- 2001 to present New Jersey Water Supply Advisory Council, Technical Advisor
- 1993 to 1999 State Soil Conservation Committee, NJDEP representative
- 1974 to 1994 Youth Environmental Society, Founder, Board of Directors member, Treasurer and President

### **Advisory Committees**

- 2016 to 2018 Water Research Foundation: Academic Council
- 2016 to present New York – New Jersey Harbor & Estuary Program: Water Quality Work Group (WQWG)
- 2016 to 2019 The Nature Conservancy-New Jersey Chapter: Conservancy Council.
- 2015 to present American Planning Association: Water Working Group
- 2015 to present Sustainable Jersey: Gold Certification Standards Committee
- 2015 to 2017 Delaware Valley Regional Planning Commission: Municipal Technical Assistance Advisory Panel
- 2015 to 2016 River Network: Delaware River Basin Policy Advisory Group
- 2015 to 2016 American Society of Civil Engineers-NJ Chapter: Water Supply and Wastewater Infrastructure Evaluation for the NJ Scorecard Project
- 2014 to present Open Space Institute: Delaware River Water Protection Fund Advisory Committee
- 2014 to 2015 Academy of Natural Science (Drexel University): Delaware River Watershed Initiative Research Agenda Development Committee
- 2014 to 2015 Partnership for the Delaware Estuary: Kirkwood-Cohansey Aquifer System Expert Panel
- 2002 to 2005 Hunterdon County Environmental Toolbox Committee, Water Resources Chair.

## Research Grants and Professional Practice Contracts (2012-2015)

- 2017 Associate Investigator. The Land Conservancy of New Jersey: Warren County Open Space Plan Update-Water Resources Criteria. Contract \$5,000.
- 2017 Principal Investigator. County of Rockland, New York. Preliminary Assessment of Critical Issues in Rockland County Watersheds. Contract \$25,000
- 2016 Principal Investigator. Rockland Water Coalition. Evaluation of the Suez Water-New York, Rockland County Water Supply. Contract \$5,000.
- 2015 to 2016 Principal Investigator. New Jersey Climate Adaptation Alliance. Water Supply Policy Options to Address Climate Change. Contract \$8,100.
- 2015 to 2016 Associate Investigator. The Land Conservancy of New Jersey: Sussex County Open Space Plan Update-Water Resources Criteria. Contract \$5,000.
- 2015 American Littoral Society. Evaluation of Policy Options for New Jersey Coastal Management Program Regarding Aquifer Recharge, Wetlands and Wastewater Management. Contract \$3,400.
- 2014 to 2017 Principal Investigator. New Jersey Water Needs through 2040: Evaluation of Population and Water Use Rate Scenarios. New Jersey Department of Environmental Protection. Contract \$66,958 (July 2014 – August 2017).
- 2014 to present Principal Investigator. Urban Water Infrastructure Project, Phase 2. New Jersey Future. Contract \$10,000 (July 2014 – June 2015). Renewed on retainer July 2015 – June 2018).
- 2013 Principal Investigator. Evaluating the Importance of Upgrading New Jersey's Urban Water Systems (Geraldine R. Dodge Foundation grant) and Pinelands Growth Area Water Assessment (William Penn Foundation grant). New Jersey Future. Contract \$41,100 (July 2013 – June 2014).
- 2013 Principal Investigator. Stakeholder Engagement Report: Water Resources Sector: Climate Change Preparedness in New Jersey. New Jersey Climate Adaptation Alliance, through the Climate Institute at Rutgers University. Contract: \$6,750 (March-October 2013)
- 2013 Principal Investigator. Sustainable Jersey/STAR Communities Comparative Evaluation and Sustainability White Papers. Sustainability Institute at The College of New Jersey. Contract \$11,064 (January-May 2013).
- 2012 Principal Investigator. Sustainability Briefing Papers for the North Jersey Sustainable Communities Consortium (Together North Jersey). Sustainability Institute at The College of New Jersey, through the Voorhees Transportation Center, Rutgers University. (September – December 2012).
- 2012 Principal Investigator. Methodology and Baseline Assessment Topic Report for Water Resources in Northern New Jersey. New Jersey Future. Contract \$7,500 (July 2012 – June 2013).

## Publications, Papers and Video Productions

- 2017 "Appendix A: Recommendations for Improved Comprehensive Plan Guidance for Water Resources Planning." In Cesanek, William, Vicki Elmer and Jennifer Graeff. Planners and Water, PAS Report 588. American Planning Association, Chicago, IL.
- 2016 Protection of Ecological Resources: Practice and Case Studies in the New York Metropolitan Area. Prepared for the Wuhan Planning and Design Institute, Wuhan, Hubei Province, China, through the New Jersey Institute of Technology.
- 2016 Climate Change Adaptation in the Water Supply Sector. Prepared for the New Jersey Climate Adaptation Alliance, New Brunswick, NJ. Available from: <http://njadapt.rutgers.edu/>
- 2016 Evaluation of the Suez Water-New York, Rockland County Water Supply. Prepared for the Rockland Water Coalition, NY.
- 2016 Karen O'Neill and Daniel Van Abs (editors). Van Abs, Chapter 12: "Water Utilities: Storm Preparedness and Restoration." Taking Chances: The Coast after Hurricane Sandy. Rutgers University Press. Available from: <https://www.rutgersuniversitypress.org/taking-chances/9780813573793>
- 2016 "A Flood of Choices: Considering Privatization of Water Utilities." NJ Municipalities Magazine. New Jersey State League of Municipalities, February 2016, pp. 22-26. (Reprinted with permission in Renewable Resources Journal, 2017, 30:3, pp. 10-12)
- 2015 "Can We Depend on Our Water Infrastructure." With Christine Sturm. NJ Municipalities Magazine. New Jersey State League of Municipalities, February 2015, pp. 66-68.
- 2015 A River for the People: A Public Access Plan for the Lower Passaic River. Passaic River Coalition, Morristown, NJ. Co-authors: Yuling Gao, Jiayi Ding and Samantha Saydak.
- 2014 "Water Systems to be Major Challenge in Years Ahead." Estuary News, Volume 24, Issue 4, Summer 2014. Partnership for the Delaware Estuary. Available from: <https://s3.amazonaws.com/delawareestuary/pdf/EstuaryNews/2014/SummerNews14.pdf>
- 2014 Effects of Land Development on Water Resources of the Pinelands Region. With Oliver Stringham, Yuling Gao and Tim Evans. Prepared for New Jersey Future. Rutgers-The State University of New Jersey. New Brunswick, NJ. Available from: [www.njfuture.org/research-publications/research-reports/growing-smart-water-wise/](http://www.njfuture.org/research-publications/research-reports/growing-smart-water-wise/)
- 2014 Water Infrastructure in New Jersey's CSO Cities: Elevating the Importance of Upgrading New Jersey's Urban Water Systems. With Alexander McClean, Ioanna Tsoulou, Yuling Gao and Tim Evans. A Report for New Jersey Future. Rutgers-The State University of New Jersey. New Brunswick, NJ. Available from: [www.njfuture.org/2014/05/06/new-report-water-infrastructure/](http://www.njfuture.org/2014/05/06/new-report-water-infrastructure/)
- 2014 "Hydrologically Sensitive Areas, Land Use Controls and Protection of Healthy Watersheds." Qiu, Zeyuan; Christine Hall; Donna Drewes; Grace Messinger; Tony Prato; Kathy Hale; Dan Van Abs. Journal of Water Resources Planning and Management. Ms. No. WRENG-1122R2
- 2013 Water Resources Baseline Assessment Report. Prepared for New Jersey Future on behalf of the North Jersey Sustainable Communities Consortium. Trenton, NJ. Available from: [http://togethernorthjersey.com/?page\\_id=19971](http://togethernorthjersey.com/?page_id=19971)
- 2011 "Chapter 5: Water Supply Resources" in The Highlands: Treasured Landscapes, Critical Resources. Richard Lathrop, Jr., editor. Rutgers University Press.
- 2011 "New Recommendations for Water Utility Asset Management and Accounting" with Jessica Rittler Sanchez. Pipeline, Winter 2011. American Water Works Association, New Jersey Chapter.
- 2011 "Protecting Our Water Infrastructure: Will We Manage for Success or Run to Failure?" New Jersey Municipalities Magazine, February 2011. New Jersey State League of Municipalities.

## Publications, Papers and Video Productions (Cont'd)

- 2006-08 Highlands Regional Master Plan. Editing, co-author and staff manager for Regional Master Plan, Policy Guidance Documents and Technical Reports. New Jersey Highlands Council, Chester, NJ. [www.highlands.state.nj.us/njhighlands/master/index.html](http://www.highlands.state.nj.us/njhighlands/master/index.html)
- 2006 "Raritan Basin Targeted Watersheds Grant: Creating the Basis for Successful Implementation," in Watershed Update Vol.4, No. 2, American Water Resources Association Hydrology and Watershed Management Technical Committee, [www.awra.org/committees/techcom/watershed/watershed.html](http://www.awra.org/committees/techcom/watershed/watershed.html)
- 2005 Preservation of Critical Areas in the Manasquan River Watershed. (with Y. Zhen), NJ Water Supply Authority, Clinton, NJ. Available from: [www.raritanbasin.org/Projects/manasquan/CriticalArea.pdf](http://www.raritanbasin.org/Projects/manasquan/CriticalArea.pdf)
- 2005 Peifer, David, Donald Einhorn and Daniel J. Van Abs. Municipal Master Plan Guidance and Model Municipal Environmental Ordinances: Abstracts. New Jersey Water Supply Authority, Clinton, NJ.
- 2004 "The Highlands Rediscovered," featured interview. New Jersey Network. Available from: <http://aptonline.org/catalog.nsf/vLinkTitle/HIGHLANDS+REDISCOVERED+THE>.
- 2004 "Raritan Basin Targeted Watersheds Grant: Update on the First Year," in Watershed Update Vol. 2, No. 2, American Water Resources Association Hydrology and Watershed Management Technical Committee, [www.awra.org/committees/techcom/watershed/watershed.html](http://www.awra.org/committees/techcom/watershed/watershed.html)
- 2003 "Raritan Basin Watershed Management Project (New Jersey)," in Regional Update, American Water Resources Association Hydrology and Watershed Management Technical Committee
- 2003 Raritan Basin Watershed Management Plan. Co-author and project manager, NJ Water Supply Authority, Clinton, NJ. Available from: [www.raritanbasin.org](http://www.raritanbasin.org)
- 2002 Preservation of Critical Areas in the Spruce Run Reservoir Watersheds: A Report of the Spruce Run Initiative (with T. Stanuikynas). NJ Water Supply Authority. Available from: [www.raritanbasin.org](http://www.raritanbasin.org)
- 2000 Water Budget in the Raritan Basin: A Technical Report for the Raritan Basin Watershed Management Project (with T. Stanuikynas). NJ Water Supply Authority. Available from: [www.raritanbasin.org](http://www.raritanbasin.org)
- 2000 Water Supply Availability in the Raritan Basin: A Technical Report for the Raritan Basin Watershed Management Project (w T. Stanuikynas). NJ Water Supply Authority. Available from: [www.raritanbasin.org](http://www.raritanbasin.org)
- 1997 Water Quality Management Planning Rules, N.J.A.C. 7:15-6 (303d List) and 7 (TMDLs). New Jersey Department of Environmental Protection, Trenton, NJ.
- 1996 Water For The 21st Century: The Vital Resource: New Jersey Statewide Water Supply Plan. Co-author, co-editor and project manager. New Jersey Department of Environmental Protection.
- 1993 Ground Water Quality Standards, N.J.A.C. 7:9-6. New Jersey Department of Environmental Protection.
- 1991 Well Head Protection Program Plan. New Jersey Department of Environmental Protection.
- 1990 "Principles of a Ground Water Strategy" (with W. Whipple). Journal of Water Resources Mgt & Planning, Vol. 116, No.4, July/August. ASCE.
- 1989 "Principles of a Ground Water Strategy." (With W. Whipple) Conference paper for the American Society of Civil Engineers, 1989 Water Resources Planning and Management Division Specialty Conference, Sacramento, California, May 20.
- 1989 A Ground Water Strategy for New Jersey (with W. Whipple). New Jersey Department of Environmental Protection.
- 1986 Buried Valley Aquifer Systems: Resources and Contamination. Passaic River Coalition, Basking Ridge, NJ.

## **Publications, Papers and Video Productions (Cont'd)**

- 1985            Regional Environmental Management in the Pinelands National Reserve. Doctoral dissertation. SUNY-ESF, Syracuse, NY.
- 1984            The Raritan-Passaic Pipeline: Analysis and Recommendations. Passaic River Coalition
- 1984            Preliminary Debris Survey: Lower Passaic River. Passaic River Coalition
- 1983            The Hydrogeology of the Buried Valley Aquifer System. Passaic River Coalition
- 1984            Passaic River Restoration Master Plan for East Rutherford and Wallington. Passaic River Coalition
- 1978            New Jersey Environmental Directory, 1978-79. Editor. Youth Environmental Society. Cranbury, NJ.

## Solicited Opinion Articles

- 2017 Opinion: The Time is Now for Drinking Water Utilities to Improve Their Systems. NJ Spotlight, 07 September 2017. <http://www.njspotlight.com/stories/17/09/06/the-time-is-now-for-drinking-water-utilities-to-improve-their-systems/>
- 2017 Opinion: Cleaning up Urban Waters — Focus Where the People Are. NJ Spotlight, 11 July 2017. <http://www.njspotlight.com/stories/17/07/10/opinion-cleaning-up-urban-waters-focus-where-the-people-are/>
- 2017 Opinion: NJ Needs a Better Approach to Water Supply Planning. NJ Spotlight, 1 June 2017, <http://www.njspotlight.com/stories/17/05/31/new-jersey-needs-a-better-approach-to-water-supply-planning/#> (Reprinted in ANJEC Report, pp. 24-26, Summer 2017).
- 2017 Opinion: Water is Priceless and That Is a Problem. NJ Spotlight, 24 April 2017, <http://www.njspotlight.com/stories/17/04/23/opinion-water-is-priceless-and-that-is-a-problem/>
- 2017 Opinion: Welcome to the Brave New World of Stormwater. NJ Spotlight, 27 March 2017. <http://www.njspotlight.com/stories/17/03/26/opinion-welcome-to-the-brave-new-world-of-stormwater/>
- 2017 Opinion: Anticipating the 2018 Statewide Water Supply Plan. NJ Spotlight, 7 February 2017. <http://www.njspotlight.com/stories/17/02/06/opinion-anticipating-the-2018-statewide-water-supply-plan/>
- 2016 Opinion: NJ Needs a Better Approach to Affordable Water and Sewer Utilities. NJ Spotlight, 30 September 2016. <http://www.njspotlight.com/stories/16/09/29/opinion-nj-needs-a-better-approach-to-affordable-water-and-sewer-utilities/#>
- 2016 Opinion: It's Past Time for Comprehensive Approach to Protect Children from Lead. NJ Spotlight, 16 August 2016. <http://www.njspotlight.com/stories/16/08/15/opinion-it-s-past-time-for-a-comprehensive-approach-to-protecting-children-from-lead-poisoning/>
- 2016 Opinion: Those Who Plan for Growth Should Plan for Water Services. NJ Spotlight, 7 July. <http://www.njspotlight.com/stories/16/07/06/opinion-those-who-plan-for-growth-should-plan-for-water-services/>
- 2016 Opinion: Learning to Live with Our Addiction to Hazardous Sites by Water. NJ Spotlight, 3 May. <http://www.njspotlight.com/stories/16/05/02/opinion-learning-to-live-with-our-addiction-to-hazardous-locations-by-water/#>
- 2016 Opinion: When Water Utilities Are Sold, the Customers Should Benefit. NJ Spotlight, 15 March. <http://www.njspotlight.com/stories/16/03/14/opinion-when-water-utilities-are-sold-it-s-the-customers-who-should-benefit/#>
- 2016 Opinion: Let Flint Strike Sparks to Address Water Supply Problems in NJ. NJ Spotlight, 8 February. <http://www.njspotlight.com/stories/16/02/07/opinion-let-flint-strike-sparks-to-address-water-supply-problems-in-nj/>
- 2016 Opinion: Thinking Smaller for more Effective Flood Protection. NJ Spotlight, January 22. <http://www.njspotlight.com/stories/16/01/21/opinion-thinking-smaller-for-effective-flood-protection-in-the-garden-state/>
- 2015 Opinion: Find the Nine Million Water Polluters in NJ. NJ Spotlight, October 9. [http://www.njspotlight.com/stories/15/10/08/opinion-find-the-nine-million-water-polluters-in-nj-hint-it-s-not-industry/?utm\\_source=NJ+Spotlight++Master+List&utm\\_campaign=c0a6dad4e1-Daily+Digest+2+5+2015&utm\\_medium=email&utm\\_term=0\\_1d26f473a7-c0a6dad4e1-398635465](http://www.njspotlight.com/stories/15/10/08/opinion-find-the-nine-million-water-polluters-in-nj-hint-it-s-not-industry/?utm_source=NJ+Spotlight++Master+List&utm_campaign=c0a6dad4e1-Daily+Digest+2+5+2015&utm_medium=email&utm_term=0_1d26f473a7-c0a6dad4e1-398635465)
- 2015 Opinion: Require Water Utilities to Spend More Now So They Will Cost Less Later. NJ Spotlight, September 3. [www.njspotlight.com/stories/15/09/02/opinion-nj-should-require-water-utilities-to-spend-more-now-so-they-will-cost-less-later/](http://www.njspotlight.com/stories/15/09/02/opinion-nj-should-require-water-utilities-to-spend-more-now-so-they-will-cost-less-later/)

## Solicited Opinion Articles (cont'd)

- 2015 Opinion: Why are Municipal Water Utilities Not Up for Mergers and Acquisitions? NJ Spotlight, August 10. [www.njspottlight.com/stories/15/08/10/opinion-why-are-municipal-water-utilities-not-up-for-mergers-and-acquisitions/#](http://www.njspottlight.com/stories/15/08/10/opinion-why-are-municipal-water-utilities-not-up-for-mergers-and-acquisitions/#)
- 2015 Opinion: Will the Garden State Be Ready When the Next Drought Arrives? NJ Spotlight, July 7. [www.njspottlight.com/stories/15/07/06/opinion-will-the-garden-state-be-ready-when-the-next-drought-arrives/](http://www.njspottlight.com/stories/15/07/06/opinion-will-the-garden-state-be-ready-when-the-next-drought-arrives/)
- 2015 Opinion: Is Water Supply a Commodity, a Service or a Right? NJ Spotlight, May 22. [www.njspottlight.com/stories/15/05/21/opinion-is-water-supply-a-commodity-a-service-or-a-right/](http://www.njspottlight.com/stories/15/05/21/opinion-is-water-supply-a-commodity-a-service-or-a-right/)
- 2015 Opinion: Steering Clear of the 2 Percent Trap for Water Utilities. NJ Spotlight, April 22. [www.njspottlight.com/stories/15/04/21/opinion-steering-clear-of-the-2-percent-trap-for-water-utilities/](http://www.njspottlight.com/stories/15/04/21/opinion-steering-clear-of-the-2-percent-trap-for-water-utilities/)
- 2015 Opinion: The Clock is Ticking for New Jersey to Control Combined Sewer Overflows. NJ Spotlight, March 19, [www.njspottlight.com/stories/15/03/19/opinion-the-clock-is-ticking-for-new-jersey-to-control-combined-sewer-overflows/](http://www.njspottlight.com/stories/15/03/19/opinion-the-clock-is-ticking-for-new-jersey-to-control-combined-sewer-overflows/)
- 2015 Opinion: Do Our Urban Water Systems Have What It Takes to Handle Rapid Growth? NJ Spotlight, February 11, [www.njspottlight.com/stories/15/02/10/opinion-do-our-urban-water-systems-have-what-it-takes-to-handle-rapid-growth/#](http://www.njspottlight.com/stories/15/02/10/opinion-do-our-urban-water-systems-have-what-it-takes-to-handle-rapid-growth/#)
- 2014 “Opinion: We Just Can’t Afford the Price We’ll Pay for State’s Cheap Water.” NJ Spotlight, December 10, [www.njspottlight.com/stories/14/12/09/opinion-why-we-in-new-jersey-can-t-afford-our-cheap-water/](http://www.njspottlight.com/stories/14/12/09/opinion-why-we-in-new-jersey-can-t-afford-our-cheap-water/)
- 2014 “Analysis: Are We Truly Serious About Improving New Jersey’s Water Quality?” NJ Spotlight, November 14, [www.njspottlight.com/stories/14/11/13/analysis-are-we-truly-serious-about-improving-new-jersey-s-water-quality/](http://www.njspottlight.com/stories/14/11/13/analysis-are-we-truly-serious-about-improving-new-jersey-s-water-quality/) (2015 First Place Award for On-line Commentary, NJ Chapter of the Society of Professional Journalists)



## Recent News Media Interviews

- 2017 Cruz, David. "Environmental Professor: State's New Water Supply Plan Short-Sighted." May 5, NJTV News. <http://www.njtvonline.org/news/video/environmental-professor-states-new-water-supply-plan-short-sighted/>
- 2017 Hill, Michael. "Advocates Have Given Up on Christie Administration Updating Water Supply Plan." February 9, NJTV News. <http://www.njtvonline.org/news/video/advocates-given-christie-administration-updating-water-supply-plan/>
- 2016 Mooney, John. "State at Beginning of Long Struggle to Purify Drinking Water in NJ Schools." April 4. NJ Spotlight. <http://www.njspotlight.com/stories/16/04/03/state-at-start-of-long-struggle-to-purify-drinking-water-in-nj-schools/>
- 2016 Johnson, Tom. "Greatest Danger Facing NJ's Water Infrastructure: The Unknown." April 4. NJ Spotlight. <http://www.njspotlight.com/stories/16/04/03/greatest-dangers-facing-nj-s-water-infrastructure-the-unknown/#>
- 2016 Hurdle, Jon. "Tests on Fish Raise New Concerns About Estrogen Levels in Drinking Water." February 9. NJ Spotlight. <http://www.njspotlight.com/stories/16/02/08/tests-on-fish-raise-new-concerns-on-estrogen-contamination-of-drinking-water/#>
- 2016 Flanagan, Brenda. "NJ Lawmakers Plan to Reintroduce Bill to Repair Water Infrastructure." NJTV interview, 8 February. <http://www.njtvonline.org/news/video/nj-lawmakers-plan-to-reintroduce-bill-to-repair-water-infrastructure/>
- 2016 McWhirter Cameron and Kris Maher. "Flint Water Crisis Shines Light on Lead Pipes Across U.S." Wall Street Journal. January 28. <http://www.wsj.com/articles/flint-water-crisis-shines-light-on-lead-pipes-crisscrossing-the-u-s-1453977180>
- 2014 "Expert Warns NJ Must Move Quickly to Repair, Upgrade Its Aging Water Systems: Crumbling infrastructure poses threat to state's entire economy, says Rutgers researcher professor." NJTV, December 15, <http://www.njtvonline.org/news/video/rutgers-research-professor-state-needs-to-invest-in-infrastructure/>
- 2014 "Rutgers Researcher: Could Cost NJ Up to \$9 Billion to Fix Water Infrastructure." NJTV, May 16, [www.njtvonline.org/news/video/rutgers-researcher-could-cost-nj-4-to-9-billion-to-fix-water-infrastuctures/](http://www.njtvonline.org/news/video/rutgers-researcher-could-cost-nj-4-to-9-billion-to-fix-water-infrastuctures/)

## Conference and Invited Presentations

- 2017 "Protection of Ecological Resources: Practice and Case Studies in the New York Metropolitan Area." Invited presentation to the Symposium on Land Use Controls in Metropolitan Regions: China and U.S. Experiences. March 17. Renmin University, Beijing, China.
- 2016 Invited Testimony to the New Jersey Joint Legislative Task Force on Drinking Water Infrastructure. November 30. Trenton, NJ.
- 2016 "Lead (Pb) and Water Supply in Urban Areas." Funder Briefing: New Jersey's Childhood Lead Poisoning Crisis, Council of New Jersey Grantmakers. May 12. Newark, NJ.
- 2016 "Aquifers, Community Health and Sustainability." Annual Conference of the New Jersey Environmental Health Association. March 6. Atlantic City, NJ.
- 2016 Invited Testimony to the New Jersey Assembly Health and Senior Services Committee. "Lead in Drinking Water." February 22. Trenton, NJ.
- 2015 Panelist: An Update on the American Society of Civil Engineers' Infrastructure Report Card. 100<sup>th</sup> Annual Conference of the New Jersey Utilities Association. June 3. Atlantic City, NJ.
- 2015 "Moving Water: Water Supply and Wastewater Infrastructure in New Jersey." Presentation to the Rutgers Environmental Stewards Class, Duke Farms, Hillsborough, NJ. Video available from: <https://www.youtube.com/watch?v=OBLCXINpadk&feature=youtu.be>
- 2015 Invited Testimony to the New Jersey Senate Oversight Committee Regarding the New Jersey Statewide Water Supply Plan. April 22. Trenton, NJ.
- 2015 "Managing Water Resources in Northern New Jersey." Presentation at the 2015 AWRA Spring Specialty Conference: Water for Urban Areas: Managing Risks and Building Resiliency. American Water Resources Association, Los Angeles, CA.
- 2015 "Green, "Green" and Gr\$\$n in Stormwater Management." With Thomas Zilinek. Presentation at the New Jersey Land Trust Rally, Trenton, NJ.
- 2015 "Utility Infrastructure in New Jersey." Presentation at the SDWA Regulatory Update Short Course for Licensed Water Supply System Operators, Rutgers University.
- 2014 "Is There Enough Water Left in Your Watershed?" Presentation at the 2014 Environmental Congress, Association of New Jersey Environmental Commissions, Raritan Valley Community College, Branchburg, NJ
- 2014 "Development and Water Resources in the Pinelands Area." Presentation at the Delaware River Watershed Forum, Bethlehem, PA
- 2014 "Politics and Physics in Water Infrastructure." Keynote Address for the NJ Spotlight Roundtable, Tackling New Jersey's Water Woes -- What's Next? NJ Spotlight. June 20. Video available from: [www.njspotlight.com/clean\\_water-video3/](http://www.njspotlight.com/clean_water-video3/)
- 2014 "Session 2: Drinking Water -- Will We Have Enough?" Panel Participant for the NJ Spotlight Roundtable, Tackling New Jersey's Water Woes -- What's Next? NJ Spotlight. June 20. Video available from: [www.njspotlight.com/clean\\_water-video2/](http://www.njspotlight.com/clean_water-video2/)
- 2014 "Sustainability of NJ Water Resources and Infrastructure." Presentation at the NJ Higher Education Partnership for Sustainability, Ramapo College of New Jersey, Mahwah, NJ
- 2014 "30 Years of Parks Development Progress on the Tidal Passaic River." Presentation at the 6<sup>th</sup> Passaic River Symposium, Montclair State University, Montclair, NJ
- 2014 Keynote Speaker. NJ Spotlight Conference on "Tackling New Jersey's Water Woes: What's Next." Trenton, NJ
- 2013 "Testing the Waters' for Together North Jersey." Presentation at the Mid-Atlantic Conference, American Water Resources Association, West Windsor, NJ

## Conference and Invited Presentations (Cont'd)

- 2013 "Ground Water Availability: How Did We Get Here?" Presentation at the Mid-Atlantic Conference, American Water Resources Association, West Windsor, NJ
- 2013 Invited Panelist, "Climate Change Preparedness in New Jersey: Leading Practices and Policy Priorities." NJ Climate Adaptation Alliance, Rutgers University, New Brunswick, NJ
- 2013 Invited Speaker, "Sandy Sewerage Summit." Ocean Place Resort, Long Branch, NJ
- 2011 Panelist "A Sustainable Approach for Effective Management, Infrastructure Renewal and Economic Growth." New Jersey League of Municipalities Annual Conference. Atlantic City, NJ
- 2011 "Assessing and Managing Water Supply in NJ: Statewide/Regional Perspectives" with F. Sickels. Presentation at "Water Worries: Strategies and Solutions" 38<sup>th</sup> Annual Environmental Congress of the Association of NJ Environmental Commissions.
- 2011 "New Jersey's Water Infrastructure" Panelist. At "100 Years of the New Jersey Board of Public Utilities: Celebrating the Past and Setting Course for the Future of Regulation, Innovation, Development and Technology in New Jersey." Trenton, NJ
- 2010 "Managing Water in New Jersey: Approaching the Watershed." Presentation at the 2010 National Conference, American Water Resources Association, Philadelphia, PA.
- 2010 "Assessing and Managing Water Availability in the New Jersey Highlands." (J. Hutzelmann, O. Zapecza, D. Rice, co-authors) Presentation at the 2010 National Conference, American Water Resources Association, Philadelphia, PA.
- 2010 "Highlands Water Availability in the Passaic Basin." Presentation with J. Hutzelmann at the Fourth Passaic River Symposium, Montclair State University.
- 2010 "Integrative Design in the Highlands Region." Presentation at the Regenerative Design Conference, Regional Plan Association, Morristown, NJ.
- 2009 "The Sustainable Raritan River: An Action Agenda." Presentation with others at the 2009 Annual Conference, NJ American Planning Association.
- 2009 "Water Supply Issues in the Highlands." Presentation with J. Hutzelmann at the 2009 Annual Conference, American Water Works Association, New Jersey Section.
- 2008 "Wastewater Management Planning: Lessons from the NJ Highlands." Presentation at the 2008 Annual Conference, NJ Water Environmental Association.
- 2008 "Water Supply Planning: The New Jersey Highlands Regional Master Plan." Presentation with J. Hutzelmann at the 2008 Annual Conference, American Water Works Association, New Jersey Section.
- 2008 "Climate change and the challenges for water supplies." Presentation at The Climate Ahead: Impacts of Climate Change on Water Resources. Symposium, Rutgers University.
- 2006 "Local and Regional Planning for Source Water Protection." Presentation with A. Clerico at the American Planning Association 2006 National Conference, San Antonio, Texas.
- 2006 "Source Water Protection: Hitting It From All Angles." Presentation with W. Kibler and J. Waltman at the 2006 Annual Conference of the American Water Works Association, New Jersey Section.
- 2005 "Well Head Protection Model Ordinance." Presentation at the 2005 Annual Conference of the American Planning Association, New Jersey Chapter.
- 2005 "Spruce Run Initiative: Protecting New Jersey's 3<sup>rd</sup> Largest Reservoir" (with K. Hale, M. Segal, A. Shallcross, R. O'Neil, Y. Zhang). Presentation at the 2005 International Conference of the Soil and Water Conservation Society, Rochester, New York.
- 2003 "Spruce Run Initiative: Protecting a Reservoir" (with T. Stanuikynas). Conference Paper for AWRA Watershed Management for Water Supply Systems Conference, NYC.

## **Conference and Invited Presentations (Cont'd)**

- 2002 "Planning for New Jersey's Largest River Basin." Conference Paper for Watershed 2002, Ft. Lauderdale, Florida.
- 2002 "Will New Jersey's Watershed Management Rules Survive?" Conference Paper for Watershed 2002, Ft. Lauderdale, Florida.
- 2000 "Protecting Developing Watersheds Through State Planning Regulations: New Jersey's Example." Conference Paper for Watershed 2000, Vancouver, British Columbia.
- 1989 "New Jersey's Ground Water Quality Standards Proposal." Conference paper for the Seventh Annual Hazardous Materials Management Conference International, Atlantic City, New Jersey, June 13-15.

## Student Mentoring

2017-2018	Zhoahan Yan, Aresty Research Scholar. "New Jersey Water Utility Rate Survey and Analysis."
2016-2017	Genevieve Tarino, Aresty Research Scholar. "Reliability Standards for Wastewater Utility Services."
2016-2017	Morgan Hill, Rutgers Honors Scholar. "Evaluation of Environmental Elements in New Jersey Municipal Master Plans"
2016-2017	Langley Oudemans, George H. Cook Scholar. "Interstate River Management Policies; How to Manage Water Supply Successfully Between Different States"
2015-2016	Christopher Reutlinger, Aresty Research Scholar. "Land and Building Values of Jersey Shore Communities"
2014-2015	Gailen Davis, Aresty Research Scholar. "Reliability Standards for Water Supply Utility Services."
2013-2014	Alexander Sliwecki, George H. Cook Scholar. "Modeling the Benefits of Green Infrastructure for Combined Sewer Overflow Control in North Bergen Township (Hudson County, New Jersey)"

## **Personal Recognition**

- 2017 Sustainable Raritan River Collaborative and Rutgers' Sustainable Raritan River Initiative. "2017 Sustainable Raritan Award for Outstanding Achievement in Leadership"
- 2017 Rutgers Career Services, "Campus Partner of the Year-Career Development Unit Honoree" and "Overall Campus Partner of the Year", Career Knights of Distinction
- 2012 New Jersey Highlands Coalition, Special Commendation
- 2011 New Jersey Section of the American Water Resources Association, "Peter Homack Award" for Contributions toward a Multi-Disciplinary Understanding and Management of Water Resources in New Jersey
- 1995 Youth Environmental Society, "Environmental Leadership Award"
- 1993 Passaic River Coalition, "Earth Day Award" for Ground Water Protection

## Program Recognition

- 2016 New Jersey 2016 Governor's Environmental Excellence Award to Jersey Water Works (Steering Committee member and lead consultant)
- 2011 Association of Environmental Authorities, "AEA Wave Service Award" to New Jersey Clean Water Council "for extraordinary efforts to raise awareness of the need for proper asset management and funding for infrastructure" (Vice Chairman and issue leader)
- 2008 South Branch Watershed Association, "Environmental Achievement Award" to the Highlands Water Protection and Planning Council for the Highlands Regional Master Plan (Senior Manager for Planning & Science, Highlands Council)
- 2007 American Council of Engineering Companies of New Jersey, "Award for Engineering Excellence" to the New Jersey Water Supply Authority for the Hoffman Park Stream Restoration Project (Director of Watershed Protection Programs)
- 2007 South Branch Watershed Association, "Environmental Achievement Award" to the New Jersey Water Supply Authority for the Watershed Protection Program
- 2006 New Jersey Planning Officials, "Achievement in Planning Award" to the Hunterdon County Environmental Toolbox Committee (Water Committee Chair)
- 2005 Association of New Jersey Environmental Commissions (ANJEC), "Environmental Achievement Award" to the New Jersey Water Supply Authority for the Spruce Run Initiative Highway Corridor Smart Growth Study
- 2005 Hunterdon County Planning Board, "Hermia Lechner Award" to the New Jersey Water Supply Authority for the Spruce Run Initiative Highway Corridor Study
- 2004 Hunterdon County Planning Board, "Hermia Lechner Award" to the New Jersey Water Supply Authority for The Spruce Run Initiative: Preservation of Critical Areas in the Spruce Run Reservoir Watersheds
- 2003 NJ Chapter, American Planning Association, "Elwood Jarmer Award for Outstanding Regional Environmental Plan" to the New Jersey Water Supply Authority for the Raritan Basin Watershed Management Plan
- 2003 NJ Department of Environmental Protection/NJ Corporation for Alternative Technologies "Environmental Excellence Awards," Clean and Plentiful Water Category, Honorable Mention to the New Jersey Water Supply Authority for the Raritan Basin Watershed Management Plan
- 2003 NJ Planning Officials, "Achievement in Planning Award" to the New Jersey Water Supply Authority for the Raritan Basin Watershed Management Project
- 2003 US Environmental Protection Agency, "Clean Water Partner for the 21<sup>st</sup> Century" to the New Jersey Water Supply Authority for the Spruce Run Initiative
- 2000 Monmouth County Water Resources Association, "James J. Howard Combined Effort Award" for the Manasquan Watershed Management Group: Watershed Characterization and Watershed Management Plan (New Jersey Water Supply Authority co-recipient)