

Simoni Triantafyllidou, Environmental Engineer in EPA's National Risk Management Research Laboratory

Water Systems Division

[Mailing Address](#)

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Areas of Expertise:

- Distribution system and premise plumbing research to determine drinking water quality at the tap, with emphasis on lead, arsenic and other contaminants
- Lead corrosion research based on harvested pipe scales and water sampling
- Technical assistance to states and communities on drinking water contamination challenges

Select Publications:

Bourdon, L.D., Liggett, J., Sidari III, F.P, **Triantafyllidou, S.** [Preventing Disease from Legionella is a Shared Responsibility](#). *Opflow*, 45(2):10-13, 2019.

DeSantis, M., **Triantafyllidou, S.**, Schock, M., Lytle, D. [Mineralogical Evidence of Galvanic Corrosion in Drinking Water Lead Pipe Joints](#). *Environmental Science and Technology*, 52(6): 3365–3374, 2018.

Wasserstrom, L, Miller, S., **Triantafyllidou, S.**, DeSantis, M., Schock, M. [Scale Formation under Blended Phosphate Treatment for a Utility with Lead Pipes](#). *Journal American Water Works Association (JAWWA)*, 109(11): E464-E478, 2017 (*Award Winning*).

Triantafyllidou, S., Lytle, D., Muhlen, C. [Copper-Silver Ionization at a US Hospital: Interaction of Treated Drinking Water with Plumbing Materials, Aesthetics and Other Considerations](#), *Water Research*, 02:1-10, 2016.

Triantafyllidou, S., Schock, M., DeSantis, M., White, C. [Low Contribution of PbO₂-Coated Lead Service Lines to Water Lead Contamination at the Tap](#). *Environmental Science and Technology*, 49(6): 3746–3754, 2015.

Schock, M., Cantor, A., **Triantafyllidou, S.**, DeSantis, M. [Importance of Pipe Deposits to Lead and Copper Rule Compliance](#). *JAWWA*, 106(7): E336-E349, 2014 (*Award Winning*)

Haas, C., L. Koch, K. Kelty, D. Lytle, and S. **Triantafyllidou.** [Effectiveness of the Preservation Protocol within the Environmental Protection Agency \(EPA\) Method 200.8 for Soluble and Particulate Lead Recovery in Drinking Water](#). U.S. Environmental Protection Agency, Washington, DC, EPA/600/R-13/222, 2013.

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Education:

- Ph.D., Virginia Tech, Blacksburg, VA; Civil Engineering (Environmental & Water Resources Concentration), 2011
- M.S., Virginia Tech, Blacksburg, VA; Environmental Engineering, 2006
- Diploma, Technical University of Crete, Greece; Environmental Engineering, 2003

Professional Experience:Workgroups and Projects

- EPA Workgroups on Lead and Copper Rule (LCR) Implementation and Drinking Water in Schools
- Chair, American Water Works Association (AWWA) Premise Plumbing/Beyond the Meter Sub-Committee, 2017-present
- Vice-chair, AWWA Distribution System Water Quality Committee, 2017-present

Memberships and Affiliations

- Association of Environmental Engineering and Science Professors (AEESP)
- American Water Works Association (AWWA)
- Adjunct Professor, Department of Civil and Environmental Engineering, Virginia Tech
- Student Mentor, Adopt-A-Class Foundation, 2015-present

Awards and Honors

- Overall Best Paper Award and Water Science & Research Division Best Paper Award in Journal American Water Works Association (JAWWA), 2018
- Overall Best Paper Award and Distribution & Plant Operations Division Best Paper Award in JAWWA, 2015
- Oakridge Institute for Science and Education (ORISE) Post-doctoral Research Fellowship, 2013-2016
- Outstanding Young Alumni Award, Department of Civil and Environmental Engineering, Virginia Tech, 2013

[Science Matters: Revealing the Complicated Nature of Tap Water Lead Contamination](#)

[EPA Video: NRMRL's Advanced Materials and Solids Analytical Core Lab](#)