

LAUREL J. STANDLEY, PH.D.
SCIENTIST, AUTHOR LIVING IN PORTLAND, OREGON

Laurel@LaurelJStandley.com

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- ❖ Scientist, deeply dedicated to helping the public reduce personal exposure to toxic chemicals at home and other environments
 - ❖ Author of dystopian eco-thrillers and historical fiction
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PUBLICATIONS AND PRESENTATIONS (SELECTED EXAMPLES)

Current projects

- “Eating Clean: Easy Tips for Reducing Toxins in Your Diet.” Nonfiction book coauthored with Mary Gospe, nutrition and marketing expert.
- “Surface Tension”: Dystopian novel on climate change and the disintegration of civilizations.

Publications, fiction

- Standley, L. J. 2015. “A Memoir of the Depression”, historical fiction.
- Standley, L. J. 2015. “Trail of Sand and Mist”, in Northwest Independent Authors’ “Asylum: A Collection of Short Fiction.”
- Standley, L. J. 2015. “Poisoned Seed”, dystopian eco-thriller.
- Standley, L. J. 2014. “Surface Tension”, in Northwest Independent Authors’ “Underground: A Collection of Short Fiction.”

Publications, nonfiction and articles in peer-reviewed journals (28 total)

- Standley, L. J. 2011. “TOXINS tweet: 140 Easy Tips to Reduce Your Family’s Exposure to Environmental Toxins”, THiNKaha (publisher).
- Dodson, R. E., Nishioka, M., Standley, L. J., Perovich, L. J., Brody, J. G., Rudel, R. A. 2012. Endocrine disruptors and asthma-associated chemicals in consumer products. *Environ. Health Persp.* 120:935-943.
- Standley, L. J., Rudel, R. A., Swartz, C. H., Attfield, K. R., Christian, J., Erickson, M., Brody, J. G. 2008. Wastewater-contaminated groundwater as a source of endogenous hormones and pharmaceuticals to surface water ecosystems. *Environ. Toxicol. Chem.* 27:2457-2468.
- Standley, L. J., L. A. Kaplan, and D. Smith. 2000. Molecular tracers of organic matter sources to surface water resources. *Environ. Sci. Technol.* 34:3124-3130.

Presentations to scientific and general audiences (50+ total, 12 invited)

- Standley, L. J., Wellness classes to public at eight New Seasons Markets. September 2015 – March 2016. “Eating Clean: Easy Tips for Reducing Toxins in Your Diet.”
- Standley, L. J., Invited presentation to GreenTown Los Altos, March 2010. “Reducing Personal Exposure to Household and Environmental Toxics.” Selected as a ‘Hot Pick’ by PaloAltoOnline.com.
- Standley, L. J., Rudel, R. A., Swartz, C. H., Attfield, K. R., Christian, J., Erickson, M., Brody, J. G., November 2006. “Contamination of Surface Ponds on Cape Cod, MA, by EDCs and Pharmaceuticals from Septic-contaminated Groundwater.” 27th Annual Meeting of the Society for Environmental Toxicology and Chemistry, Montreal, Canada.
- American Water Resources Association, Annual Meeting, Philadelphia, PA, 2002. Invited panel member for session “Developing a TMDL for PCBs in the Delaware River”.

PROFESSIONAL EXPERIENCE AND SELECTED ACCOMPLISHMENTS

Water quality, policy, and sustainable resource use

- Developed an extensive water management plan for a Middle Eastern country, analyzing current water demand and technical, policy, and educational strategies for reducing consumption and minimizing need for increased desalination capacity.
- Developed a strategy for Conservation International for engaging corporations in conservation activities that would be relevant to their business interests. Corporations of interest included those that had facilities located in sensitive biomes (e.g. biological hotspots), required the availability of clean water resources, and/or contributed to degradation of freshwater ecosystems through their operations.

- Developed an innovative strategy for identifying sources of pathogens and nutrients to drinking water resources that is now being used to track contamination in New York City's source waters.
- Taught course "Achieving Water Quality Standards Through Contaminant Trackdown Studies" through the NW Environmental Training Center, 2013 – 2014.
- Conducted review of health issues and remediation strategies related to use of toxic glue in homeowner's basement project.
- Coordinated analysis of household and personal care products for the presence of endocrine disrupting compounds and developed list of alternative products for household intervention study.

Leadership on scientific and stakeholders committees

- International Organization for Standardization (ISO) Environmental Management Subcommittee, Member committee to develop water footprint standard (2011 – 2012).
- Successfully resolved disputes as a professionally trained volunteer community mediator (Beaverton, OR, 2004 – 2005).
- Watershed Advocate (Committee Chair 2002) on the Delaware River Basin Commission's Toxics Advisory Committee, a stakeholders group overseeing development of a PCB Total Maximum Daily Load (TMDL), 2000 – 2003.

SOCIAL MEDIA

- Posts on reducing personal exposure to toxic chemicals:
 - DocLaurel on Facebook
 - @Laurel_Standley on Twitter
 - Laurel Standley on Wordpress
- Posts as author:
 - LJStandley on Facebook
 - @StandleyLaurel on Twitter

CHRONOLOGICAL EMPLOYMENT RECORD

Scientist, Author Principal Clear Current LLC, Beaverton, OR	2015 – present
Senior Scientist Silent Spring Institute, Newton, MA	2009 – 2015
Managing Director Watershed Solutions, LLC, Beaverton, OR	2005 – 2008
Fellow Center for Environmental Leadership in Business Conservation International, Washington, D.C.	2004 – 2005
Assistant Scientist; Associate Scientist Stroud Water Research Center, Avondale, PA	Summer 2002
Post-Doctoral Research Scientist Indiana University, Bloomington, IN	1989 – 2001
Graduate Student Assistant Oregon State University, Corvallis, OR	1987 – 1989
Laboratory Technician Teledyne, Wah Chang, Albany, OR	1982 – 1987
	1981 – 1982
	1980 – 1981

EDUCATION

M.A., Urban Affairs and Public Policy The University of Delaware, Center for Energy and Environmental Policy	2003
Ph.D., Chemical Oceanography Oregon State University	1987
B.S., Chemistry California Polytechnic State University, San Luis Obispo	1979