

Prof. Ian L. Pepper

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Professional Preparation

Ohio State University/ Soil Microbiology

Ph.D. - 1975

Ohio State University/ Soil Biochemistry

M.S. - 1972

University of Birmingham, Great Britain/ Chemistry

B.Sc. - 1970

Appointments

- Director, National Science Foundation Water and Environmental Technology Center, The University of Arizona, 2009–Present.
- Professor and Research Scientist, Community, Environment and Policy, College of Public Health, The University of Arizona, 2008–Present.
- Professor and Research Scientist, Department of Agricultural and Biosystems Engineering, The University of Arizona, 2007–Present.
- Director, National Science Foundation Water Quality Center, The University of Arizona, 1999–2009.
- Director, Environmental Research Laboratory, The University of Arizona, 2001–Present.
- Chair, Undergraduate Program in Environmental Science, Department of Soil, Water and Environmental Science, The University of Arizona, 1993–1998.
- Professor and Research Scientist, Departments of Soil, Water and Environmental Science, and Microbiology and Immunology, The University of Arizona, 1988–Present.

Selected Products

- Miles, S.L., K. Takizawa, I.L. Pepper, and C.P. Gerba. 2011. Survival of infectious prions in water. *J. Env. Sci. & Hlth. Part A.* 46:938-943.
- Miles, S.L., R.G. Sinclair, M.R. Riley, and I.L. Pepper. 2011. Evaluation of Select Sensors for Real-Time Monitoring of *Escherichia coli* in Water Distribution Systems. *Appl. Environ. Microbiol.* 77:2813-2816.
- Miles, S.L., K. Takizawa, C.P. Gerba, and I.L. Pepper. 2011. Survival of infectious prions in Class B biosolids. *J. Env. Sci. & Hlth.* 46:364-370.
- Scott, E.A. and I.L. Pepper. 2010. Water Distribution Systems as Living Ecosystems: Impact on Taste and Odor. *J. Env. Sci. & Health Part A.* 45:890-900.

- Miles, S.L., K.A. Reynolds, C.P. Gerba, and I.L. Pepper. 2009. Point-of-Use Drinking Water Devices for Assessing Microbial Contamination in Finished Water and Distribution Systems. *Environ. Sci. & Technol.* 43:1425-1429.

Products (Other Significant)

- Stine, S.W., F.D. Vladich, I.L. Pepper, and C.P. Gerba. 2005. Development of a Method for the Concentration and Recovery of Microsporidia from Tap Water. *J Environ Sci and Hlth Part A—Toxic/Hazardous Substances and Environmental Engineering* 40:3–13.
- Stine, S.W., I.L. Pepper, and C.P. Gerba. 2005. Contribution of Drinking Water to the Weekly Intake of Heterotrophic Bacteria from Diet in the United States. *Wat. Res.* 39:257–263.
- Pepper, I.L., P. Rusin, D.R. Quintanar, C. Haney, K.L. Josephson, and C.P. Gerba. 2004. Tracking the Concentration of HPC Bacteria from the Source to the Consumer's Tap. *Int'l. J. Food Microbiol.* 92:265–271.
- Gundy, P.M., C.P. Gerba, and I.L. Pepper. 2009. Survival of Coronaviruses in Water and Wastewater. *Food Environ. Virol.* 1:10–14.
- Rodriguez, R.A., I.L. Pepper, and C.P. Gerba. 2009. Application of PCR-Based Methods to Assess the Infectivity of Enteric Viruses in Environmental Samples. *Appl Environ. Microbiol* 75:297–307.

Synergistic Activities

- Chair, National Academy of Sciences Committee on Challenges and Opportunities for International Science at the USGS
- Invited member National Academy of Science Committee: Research Priorities for Earth Science and Public Health, 2004–2005
- Invited member Committee on Environmental Microbiology 'American Society for Microbiology,' 2001–2007.
- Invited member National Academy of Science Committee: U.S. National Committee for Soil Science (USNC/SS) (Second Term), 2004–2006.
- Invited member National Academy of Science Committee: U.S. National Committee for Soil Science (USNC/SS) (First Term), 2001–2003.
- Invited member National Academy of Science Committee: National Research Council Committee on Toxicants and Pathogens in Biosolids, 2001–2002.