

**Dr. Scott Alan Bradford**

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**Academic Degrees:**

- Ph.D. Soil Science (Soil Physics), University of California, Riverside. 1995
- M.S. Soil Science (Soil Physics), University of California, Riverside. 1991.
- B.S. Physics, Brigham Young University. 1989. Minors in Chemistry and Mathematics

**Certified:**

- Passed the 8 hour NCEES Professional Civil Engineering Exam. 2006.

**Present and Past Positions:**

- Research Soil Scientist (GS15), USDA, ARS, U.S. Salinity Laboratory, Riverside, CA. 2000-Present.
- Adjunct Assistant Professor, Dept. of Civil and Environmental Engineering, University of Michigan, Ann Arbor, MI. 1999-1999.
- Postdoctoral Positions (Assistant Research Scientist, Research Investigator, and Research Fellow), Dept. of Civil and Environmental Engineering, University of Michigan, Ann Arbor, MI. 1995-2000.

**Professional Research and Publications:**

Dr. Bradford is a world renowned expert in the field of mechanisms and models to describe colloid (nanoparticles, microorganisms, and clays) and colloid-facilitated transport and fate in the environment. He has authored over 124 publications on a wide variety of topics in soil physics, contaminant hydrology, and environmental engineering. Most of these publications appeared in peer-reviewed journals. He has a Google Scholar H-factor of 45 (45 publications with more than 45 citations), and is first-author on 3 invited review papers.

**Awards:**

- Excellence in Review Award, Environmental Science & Technology, 2012.
- Fellow of the Soil Science Society of America. 2013.
- Fellow of the American Society of Agronomy. 2013.

**Research Grants:**

- Co-Principal investigator on proposals totaling more than \$2.6 million.

**Special Invitations:**

- Over 37 invited presentations to national and international audience, including 5 keynote addresses.

**Professional Affiliations:**

- American Geophysical Union, American Society of Agronomy, Soil Science Society of America.

**Professional Service:**

- Editor in Chief for Critical Reviews of Environmental Science and Technology (2017-present), Technical Editor for Journal of Environmental Quality (JEQ, 2014-2016), Associate Editor (AE) for JEQ (2003-2006), and AE for Vadose Zone Journal (VZJ, 2004-2013).
- Chair Elect for the S1 Division (Soil Physics and Hydrology) of the Soil Science Society of America. 2018.
- Co-organizer of special issues in JEQ (2008 and 2015) and VZJ (2008), and sessions at annual meetings of SSSA (1997 and 2006) and AGU (2008, 2010, and 2011).
- Co-organizer of conference entitled “Aerobic Spores and Other Microbial Indicators for Determining Groundwater Under the Direct Influence of Surface Water”. This conference was held in Riverside, CA on Sept. 6-8, 2016.
- International Conference “Interfaces Against Pollution”, Advisory Committee, May 2004 - 2012.
- Secretary (2005) and chair (2006) of the W1188 Multistate Research Project entitled “Characterizing Mass and Energy Transport at Different Scales”, USDA, CSREES.
- USDA-ARS, National Program 206 (Manure and Byproduct Utilization) Planning Committee. April 13-15, 2004.
- Co-team leader (with Yakov Pachepsky), NP 206, Manure and Byproduct Utilization, Pathogens problem area 2e, Modeling fate and transport of manure-borne pathogens from “pedon” to watershed scale. April, 2004-2009.
- ASA and SSSA Fellows Committee 2014 and 2015.
- University faculty promotion and tenure evaluation committees (3).
- Dissertation evaluation and defense committees of 6 PhD students, and also informally supervised and mentored research activities of 7 other PhD students.
- Reviewer for numerous technical journals (>21), funding organizations (7), proposal evaluation committees (2), and project advisor committees (3).