

## Invitation to Submit to a Special Collection of Papers in JEQ: Soil Chemistry and the One Health Initiative



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### Invitation to submit short abstracts for consideration before October 15, 2017

We invite authors to provide abstracts of papers they intend to submit for this special section of JEQ before October 15, 2017. These abstracts should include a list of contributing authors, an appropriate title, and a brief abstract of less than 250 words. Email abstract submissions to Tsutomu Ohno ([ohno@maine.edu](mailto:ohno@maine.edu)).

### Suitable abstracts invited to submit full manuscripts by January 31, 2018

Submitted abstracts will be considered by the Guest Editors and Technical Editor (Dr. Tsutomu Ohno; [ohno@maine.edu](mailto:ohno@maine.edu)). Those deemed suitable will be invited to submit full manuscripts to the *Journal of Environmental Quality* before January 31, 2018. Abstracts must reflect original research related to objectives in Special Section Rationale, below. All full manuscript submissions will be subject to the JEQ peer review process. Author Instructions can be found at <https://dl.sciencesocieties.org/publications/jeq/author-instructions>.

### Related symposia at 2017 ASA, CSSA, SSSA National Meeting in Tampa

Two symposia are being organized for the 2017 ASA, CSSA, SSSA meeting that relate to this special collection: Soil Chemistry, Food Security, and Human Health (organizers: Ganga M. Hettiarachchi and Kirk G. Scheckel) and Societal Challenges and Soil Chemistry (organizers: Owen W. Duckworth, Matthew L. Polizzotto, and Aaron Thompson). Participation in the symposia is not required for submission to this special section.

### Special section rationale

The One Health Initiative seeks to improve the lives of all species—human and animal—through the integration of human medicine, veterinary medicine, and environmental science. This special section is designed to elucidate the connections between soil health, environmental quality, food safety/security, and human health. Soil chemistry plays a central role in food safety and protection of human health. Chemical reactions between nutrients and contaminants with soil solids, and the composition of the soil solution and the atmosphere, influence crop growth as well as the quality of our food, air, and water. It will highlight studies related to the chemical constituents, properties, reactions in soils with a view toward a more efficient, sustainable, and/or nutrient-rich/contaminant-free food production and protection of soil, water, and human health.

This special collection of papers will address the current state of knowledge of the links between soil chemistry, food safety/security, environmental quality, and human health. Invited technical papers must consist of original research that addresses these linkages. Submission of empirically based papers is encouraged, although high-quality modeling papers that include model validation are also welcome. Monitoring and observation papers will be considered if they test a hypothesis that will advance our knowledge and understanding of existing environmental concepts.