

## Special Issue

# Innovating Practice and Policy for Sustainable Pest Management

### Message from the Guest Editors

Many species have evolved resistance to pesticides, herbicides, fungicides, and antibiotics. Weed, insect, plant pathogen, and antibiotic resistance is escalating around the world despite valiant public and private efforts to stem the advance. Left unchecked, these trends threaten widespread ecological, social and economic damage, especially in agriculture. Current approaches to manage pest resistance rely heavily on finding new technologies to replace those that have become ineffective. Yet, science and experience tell us that all new technologies are susceptible to resistance if not managed properly. The root causes of resistance arise from a combination of ecological, socio-economic, technological and human behavior factors. Befitting such a complex set of interactions, pest resistance is a “wicked problem” that requires transdisciplinary approaches under the convergence paradigm with deep integration across natural and social science disciplines and with non-academic experts.

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### Guest Editors

Prof. David Ervin

Dr. Sonia Graham

Dr. David R. Shaw

Dr. George Frisvold

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### Deadline for manuscript submissions

closed (26 March 2023)



## Sustainability

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