



A Horizon Scan of Research Achievements, Opportunities and Emerging Issues in Environmental, Agricultural and Urban Systems in Developing Nations

Guest Editors:

Dr. Edmond Sanganyado

Department of Applied Sciences,
Northumbria University,
Newcastle upon Tyne, UK

Prof. Dr. Willis Gwenzi

1. Leibniz-Institut für
Agrartechnik und Bioökonomie
e.V. (ATB), Max-Eyth-Allee 100, D-
14469 Potsdam, Germany
2. Grassland Science and
Renewable Plant Resources,
Faculty of Organic Agricultural
Sciences, Universität Kassel,
Steinstraße 19, D-37213
Witzenhausen, Germany

Deadline for manuscript
submissions:

closed (30 November 2018)

Message from the Guest Editors

Dear Colleagues,

This Special Issue focuses on the achievements, emerging issues, opportunities, and challenges in environmental, agricultural and urban systems in developing countries with a special focus on Africa.

We invite high-quality manuscripts addressing, but not limited to:

- Environmental pollution
- Emerging contaminants
- Urban agriculture
- Sustainable cities/urban development
- Urban informal settlements
- Urban infrastructure
- Waste management systems
- Climate change
- Sustainability in agriculture and mining
- Green innovations in water and wastewater treatment
- Recent developments in environmental technology
- Innovative research collaboration/funding models
- Environmental/sustainability education and capacity-building

Dr. Edmond Sanganyado
Prof. Willis Gwenzi
Guest Editors





Challenges

Journal of Planetary Health

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Susan Prescott

1. School of Medicine, University of Western Australia, Nedlands, WA 6009, Australia
2. ORIGINS Project, Telethon Kids Institute at Perth Children's Hospital, Nedlands, WA 6009, Australia
3. NOVA Institute for Health of People, Places and Planet, 1407 Fleet Street, Baltimore, MD 21231, USA

Message from the Editor-in-Chief

Planetary health provides an overarching vision of the interdependence of all life on Earth, offering a cohesive framework that connects scientific, social, and cultural understanding to guide our responses to the complex challenges of our time. *Challenges—Journal of Planetary Health* is dedicated to exploring these interconnections through transdisciplinary efforts spanning technological innovation, education, policy, and governance, as well as the human attitudes, values, and spirituality that shape social and ecological well-being and justice. We welcome a wide range of contributions from diverse fields, from the biological, physical, and technical sciences to the social sciences, arts, and humanities, that illuminate pathways toward the mutual flourishing of people, places, and the planet.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [RePEc](#), [Gale](#), [EBSCO](#), [ProQuest](#), and [other databases](#).

Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 26.9 days after submission; acceptance to publication is undertaken in 5.5 days (median values for papers published in this journal in the second half of 2025).

Contact Us

Challenges Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/challenges
challenges@mdpi.com