

Editorial – Volume 5, Issue 1, 2026

It is with great pleasure that I present Volume 5, Issue 1 (June 2026) of the Technoscience Journal for Community Development in Africa (TJCDA). This issue features twenty-two (22) carefully reviewed articles, reflecting the journal's sustained commitment to publishing high-quality, problem-oriented research that advances science, technology, and community development across Africa.

The papers in this issue span the journal's core thematic areas: Agriculture, Engineering and Technology, Pure and Applied Sciences, and Computer and Information Sciences. In computing, contributions address intrusion detection through stack ensemble learning and software change impact analysis using data-flow analysis and topic modelling. In engineering and the physical sciences, the issue includes studies on sustainable sawdust-based adsorbents, corrosion-resistant composite coatings for marine conditions, and green-synthesised zinc oxide nanoparticles for solar cell applications. In the biological and health-related sciences, readers will find work on ant assemblages across land-use types, computational screening of natural products against the SARS-CoV-2 spike glycoprotein, and the detection of cyclotide peptides from medicinal plants for diabetes management.

Agriculture and its allied fields account for a substantial share of the issue. These papers cover climate-smart agricultural practices, soil maintenance and the classification of valley-bottom soils, carbon sequestration and soil health under different forest tree species, seed germination of roselle, pest and disease management among cashew farmers, and black soldier fly larvae as an alternative livestock feed resource. They also cover the properties of pumpkin seed protein concentrate and the quality of cakes made

from composite flour blends, as well as hydroponic technology and the welfare of vegetable farmers. The issue also engages pressing socio-economic realities, including the effects of banditry and oil spillage on farming livelihoods, the gendered impact of the COVID-19 pandemic on maize farmers, and media coverage of the establishment of the Federal Ministry of Livestock Development. Together, these studies underscore the interdisciplinary nature of technoscientific research and its relevance to Africa's developmental priorities.

I am pleased to note that the release of this issue reaffirms the editorial team's commitment to regular and consistent publication. TJCDA is committed to publishing two issues every year, and with Issue 1 now out, we look forward to releasing Issue 2 of this volume by December 2026. This commitment to timeliness is one we owe our authors, readers, and the wider research community.

I thank the core editorial team for their commitment and hard work. Our profound gratitude goes to the reviewers, whose rigorous, timely, and constructive assessments ensured the scholarly quality of the published articles. Finally, we thank our authors for choosing TJCDA as a platform to disseminate their research and for contributing meaningfully to the advancement of knowledge.

We trust that readers will find this issue intellectually stimulating and valuable. We warmly invite researchers across Africa and beyond to submit more in-depth, rigorous, and impactful articles for subsequent issues as the journal advances its mission.

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