



## **Editorial Note: Journal of Technological Sciences (JTS) Volume 2, Issue 2, 2025**

This issue of the *Journal of Technological Sciences* presents six manuscripts that collectively demonstrate the breadth and interdisciplinary scope of contemporary research. The contributions span environmental modeling, food science and nutrition, biodiversity conservation, and natural product chemistry applications in agriculture, reflecting a strong commitment to addressing both regional and global challenges through applied research.

The first study applies advanced geospatial techniques to analyze the impacts of urbanization on wetlands. It highlights how rapid urban expansion affects fragile ecosystems and emphasizes the value of predictive tools in promoting sustainable urban planning and environmental conservation. The second paper provides a systematic review of the use of dairy products as carriers of probiotics. It synthesizes current knowledge on functional foods and underscores the growing importance of probiotic-enriched dairy products in improving human health. The third manuscript addresses the urgent issue of elephants. By integrating environmental variables with spatial analysis, the study identifies key factors influencing poaching activities. The findings offer practical insights that can inform more effective and targeted conservation and anti-poaching strategies.

The fourth contribution explores the acaricidal potential of *Cissus quadrangularis* as a natural alternative for controlling cattle ticks. This research supports the development of eco-friendly and sustainable livestock management practices, reducing reliance on synthetic chemicals while enhancing animal health and productivity. The fifth paper investigates the proximate composition and functional properties of selected pearl millet and finger millet varieties. The study reinforces the nutritional and economic importance of these traditional grains. The sixth manuscript examines how farmers' entrepreneurial competencies influence agricultural performance.

In conclusion, this issue underscores the importance of integrating technological innovation with local knowledge systems to address key challenges in environmental sustainability, public health, and agriculture. The contributions reflect high scholarly standards, and appreciation is extended to both authors and reviewers. It is hoped that this collection will inspire further research, encourage interdisciplinary collaboration, and advance the field of sciences.

Stephen Nyoni, PhD, MRSC

Associate Editor: Journal of Technological Sciences (JTS)