
EDITORIAL FOREWORD

Opportunities for Publishing Multidisciplinary and Interdisciplinary Research to Advance Sustainable Agriculture and Global Food Security

The Journal of Agricultural Sciences – Sri Lanka (JASSL) is an international, peer-reviewed journal committed to providing a scholarly platform for the dissemination of high-quality research in agriculture and its allied disciplines. As agriculture continues to evolve through scientific research in response to rising global challenges—such as climate change, food insecurity, and the demand for sustainable development—the journal aims to serve as a platform for dialogue, discovery, and innovation within the agricultural research community.

Agriculture, by its nature, is a multidisciplinary field that intersects with a wide range of knowledge domains. Recognizing this inherent diversity, JASSL welcomes a broad spectrum of research contributions, including but not limited to studies in soil science, crop and plant sciences, livestock and animal husbandry, agribusiness, agricultural engineering, food nutrient dynamics, and environmental adaptation strategies. Furthermore, the journal actively encourages submissions that integrate agricultural insights with disciplines such as botany, plant anatomy, food systems, climate adaptation, and natural resource management.

Aligned with current academic directions, JASSL also welcomes interdisciplinary studies that relate agriculture to broader cultural, ecological, geological, or historical perspectives, as long as they provide scientifically sound and agriculturally relevant insights for publication. This approach fosters a richer understanding of agriculture's evolving role in both local and global contexts.

JASSL ensures the publication of scientifically sound, ethically responsible, and practically applicable work. Our goal is to facilitate knowledge exchange, promote innovative thinking, and support the development of resilient and sustainable agricultural systems in the globe.

The Food and Agriculture Organization (FAO) of the United Nations projects that, to meet the global food demand by 2050, agricultural production—including both crop and livestock sectors—must increase by approximately 60% compared to 2006 levels (FAO 2009, McKenzie & Williams 2015). This challenging requirement arises amid intensifying pressures such as population growth, climate variability, land degradation, resource scarcity, and rapidly changing socio-economic conditions, all of which pose serious threats to global food systems and rural livelihoods.

Addressing these complex and interconnected challenges, today's agricultural research increasingly integrates advanced and emerging technologies—from genetic engineering, precision farming, and soil health management to breakthroughs in biotechnology, nanotechnology, artificial intelligence, and climate-smart agriculture (Godfray *et al.* 2010, Prasad *et al.*, 2017).

In this rapidly evolving scientific landscape, the timely dissemination of research through peer-reviewed, indexed journals is essential for advancing knowledge and innovation (Wahyudi *et*

al. 2025). Publishing and sharing research findings not only help validate scientific work but also provide academics, professionals, and policymakers with access to practical and reliable information that supports evidence-based decision-making (OECD 2015). In this context, The Journal of Agricultural Sciences – Sri Lanka (JASSL) supports researchers by providing an opportunity to publish properly written their work (Dissanayake 2025), especially amid the growing competition and challenges faced when seeking reputable publication avenues.

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