

AGRONOMY RESEARCH

MAY 2025
SPECIAL
ISSUE

ENVIRONMENTAL, SOCIAL, ECONOMIC, AND
TECHNOLOGICAL ASPECTS OF AGRICULTURAL SCIENCE IN
TROPICAL AND SUBTROPICAL REGIONS - V

ABOUT THE SPECIAL ISSUE

The continuously rising demand for agricultural products, a result of the world population growth, has brought several well-known consequences, such as pollution, soil degradation, residues generation, and climate change.

Besides the environmental impacts, the productivity of agricultural and horticultural crops is frequently affected by pests, diseases, and natural disasters. It can have severe implications for poverty, food security, nutrition, and health.

Therefore, there is a need for research that focuses on the development and utilization of sustainable agricultural practices that take into account productivity and environmental, economic, social, and technological aspects.

This special issue addresses the challenges and limitations of agri-science in tropical and subtropical regions. All types of original submissions are welcome.

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TOPICS

The topics covered in this special issue include, but are not limited to:

- Crop and animal practices
- Plant health and biology
- Products nutrition and quality
- Agricultural economics, business, and policy
- Soil science
- Agricultural machinery and engineering solutions
- Land-use trends and management practices
- Ecosystem services
- Environmental impacts and protection
- Modelling, machine learning and IoT sensors
- Climate change adaption and mitigation strategies
- Reduction and optimization of residues

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