# **Special Issue**

# Waste Utilization in Agriculture and Sustainable Development (Second Edition)

# Message from the Guest Editor

Agricultural production has increased more than three times over the last 50 years, causing negative impacts on soil, air and water resources. Current concerns such as population growth and increased food and energy prices underline the need to improve the whole agricultural production process. Present methods of agricultural waste disposal comprise incineration, landfill and composting. Even though these are sometimes well-developed methods, they either produce low-value products or toxic gases and bad odors, having a negative impact on the environment. Therefore, the goal is to develop innovative and advanced solutions that will turn agricultural wastes into valuable resources and, at the same time, minimize the negative impact on the environment, mitigating climate change. Agricultural waste materials can be used as soil amendments and fertilizers, composting substrates, biochar feedstock, bioactive compound sources, etc., or for energy recovery. Research topics may include (but are not limited to) the following:

- Nutrient recovery:
- Bioactive compound extraction;
- Composting;
- Biochar production;
- Soil amendments;
- Energy production.

# **Guest Editor**

Dr. Igor Palčić

Department of Agriculture and Nutrition, Institute of Agriculture and Tourism, K. Huguesa 8, 52440 Poreč, Croatia

# Deadline for manuscript submissions

closed (28 February 2025)



# Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/186341

Sustainability Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 sustainability@mdpi.com

mdpi.com/journal/ sustainability





# Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



# **About the Journal**

# Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

### Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

### **Author Benefits**

# Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

# **High Visibility:**

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

### Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)

