



AgroEnvironmental Sustainability: A Call to Action for Sustainable and Greener Future



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Abstract

One of the most important economic pillars is agriculture, which provides raw materials for industrial processes and much-needed food. However, agriculture is also a major contributor to climate change and environmental degradation. The need for sustainable agriculture has never been more pressing as the world grapples with numerous environmental issues that threaten food security and livelihoods. The launch of *AgroEnvironmental Sustainability*, a new journal dedicated to promoting sustainable agricultural practices, is a welcome and timely development. The journal will bring forward scientific information that addresses challenges in agriculture, economic, social, health, and environmental aspects.

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The effects of climate change, such as extreme weather events, declining soil fertility, and loss of biodiversity, are being felt around the world. Agriculture, and therefore food security, is seriously threatened by these environmental issues. However, there is still hope, and agriculture can play a key role in mitigating and adapting to climate change. To sequester carbon from the atmosphere and mitigate the effects of climate change, the agricultural sector can be transformed from a major source of greenhouse gas emissions to a significant carbon sink. Agroforestry, conservation agriculture, and integrated crop-livestock systems are examples of sustainable agricultural practices that can reduce greenhouse gas emissions and increase carbon sequestration. Adopting these practices can also improve soil fertility and health, promote biodiversity, and increase resilience to climate change.

The United Nations (UN) Sustainable Development Goals (SDGs) agenda, particularly SDG 2, which aims to end hunger and achieve food security; SDG 13, which calls for urgent action to combat climate change; and SDG 15, which aims to protect, restore, and promote the sustainable use of terrestrial ecosystems, are consistent with the journal's focus on agro-environmental sustainability. All stakeholders, including governments, farmers, civil society, and the private sector, must work together to achieve these goals. Governments have a crucial role to play in promoting sustainable agriculture. They can provide the necessary legal and administrative framework to encourage farmers to adopt sustainable practices. Governments can also spend money on research and development to develop more sustainable agricultural technologies and practices. Governments can also support initiatives to improve farmers' knowledge and skills in sustainable agriculture.

The private sector also has an important role to play in promoting sustainable agriculture. By providing farmers with access to sustainable inputs such as seeds and fertilizers, agribusinesses can support sustainable agricultural practices. In addition, they can provide market incentives to farmers who adopt sustainable practices, such as higher prices for sustainably grown crops. Agribusinesses can also help farmers access finance and technology to adopt sustainable practices. Civil society organizations have a critical role to play in promoting sustainable agriculture. They can provide training and extension services, help farmers access markets and finance, and advocate for legislation that supports sustainable agriculture. Civil society organizations can conduct public awareness campaigns to promote sustainable agriculture among consumers and decision-makers. Farmers are at the heart of sustainable agriculture. They must be given the tools, training, and resources they need to adopt sustainable practices. This requires access to finance,

extension services, inputs, and markets. It also requires research and development that addresses the specific needs and challenges of farmers. In addition, market incentives, policy incentives, and social recognition must be used to encourage farmers to adopt sustainable practices.

Therefore, there has never been a better time for a dedicated journal to focus on agro-environmental sustainability. The launch of the "*AgroEnvironmental Sustainability*" journal is a call to action for a greener future. The journal provides a forum for researchers, policymakers, civil society organizations, and farmers to share information, experiences, and best practices in sustainable agriculture. We hope that the research published in this journal will help us in achieving agricultural and environmental sustainability.

Pankaj Kumar
Editor-in-Chief