AGROBIODIVERSITY &
AGROECOLOGY

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Published by
The Grassroots Institute | Canada
Aim & Scope

The objective of our journal "Agrobiodiversity & Agroecology" is to explore variety of concepts, practices and implications in emerging scientific fields within combined and integrated domain of Agrobiodiversity (or Agricultural Biodiversity) and Agroecology. This journal aims at creating an opportunity for presenting different research from all parts of the world that facilitate the dialogue across different disciplines and various actors for capitalizing on different kind of knowledges.

What is Agrobiodiversity?

As described by UN Convention on Biological Diversity (CBD), “the Agricultural biodiversity is a broad term that includes all components of biological diversity of relevance to food and agriculture, and all components of biological diversity that constitute the agricultural ecosystems, also named agro-ecosystems: the variety and variability of animals, plants and micro-organisms, at the genetic, species and ecosystem levels, which are necessary to sustain key functions of the agro-ecosystem, its structure and processes.” Agricultural biodiversity is the outcome of the interactions among genetic resources, the environment and the management systems and practices used by farmers. This is the result of both natural selection and human inventive developed over millennia. CBD expands the following dimensions of agricultural biodiversity:

1) Genetic resources for food and agriculture
2) Components of biodiversity that support ecosystem services
3) A biotic factors
4) Socio-economic and cultural dimensions.

What is Agroecology?

Agroecology is an applied science that studies ecological processes applied to agricultural production systems. Bringing ecological principles to bear can suggest new management approaches in agroecosystems. Agroecologists study a variety of agroecosystems. The field of agroecology is not associated with any one particular method of farming, whether it be organic, regenerative, integrated, or conventional, intensive or extensive, although some use the name specifically for alternative agriculture. Agroecology is defined by the OECD as “the study of the relation of agricultural crops and environment.” Agroecology is a holistic approach that seeks to reconcile agriculture and local communities with natural processes for the common benefit of nature and livelihoods. Agroecology is inherently multi disciplinary, including sciences such as agronomy, ecology, environmental science, sociology, economics, history and others. Agroecology uses different sciences to understand elements of ecosystems such as soil properties and plant-insect interactions, as well as using social sciences to understand the effects of farming practices on rural communities, economic constraints to developing new production methods, or cultural factors determining farming practices. The system properties of agroeco systems studied may include productivity, stability, sustain ability and equatability.

Exclusive Features of the Journal

This journal would be inclusive by giving the opportunity to:

* researcher from the South to publish in a journal without any fees for the open-access
* farmers’ organizations and NGO to be represented as co-authors with researchers for presenting together their viewpoints on the research.

SUBMISSION INFORMATION

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