AGRICULTURE, ECOSYSTEMS & ENVIRONMENT
An interdisciplinary journal on the interactions between agroecosystems and the environment

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DESCRIPTION

Agriculture, Ecosystems & Environment is a leading interdisciplinary forum that publishes research investigating all aspects of agroecological science. Our objective is to advance understanding of the patterns and processes governing agroecosystem functions, interactions with the environment and provision of ecosystem services. A central theme is how agriculture influences the environment and how changes in that environment impact agroecosystems.

Agriculture, Ecosystems & Environment publishes novel, high impact research conducted at various spatial scales - from experimental plots and field trials to farm-, agroecosystem- and landscape-level investigations - with preference given to hypothesis-based and/or data-rich investigations. We particularly encourage broadly significant studies of agroecosystems that deal with cross-scale interactions, bridge scientific disciplines or integrate new knowledge and perspectives relevant to agroecosystem management or agri-environmental policies. Agriculture, Ecosystems & Environment rarely publishes papers focused on the management of a specific agricultural system in a particular environmental setting unless the research produces new and compelling findings; therefore, submissions should be placed in an international and/or widely comparative context.

All manuscripts are initially screened on their topic suitability. AGEE's core subject-matter fields/topics include (but are not limited to):
- Mechanisms governing bio-physical features and functioning of agroecosystems (e.g., the biogeochemistry, ecology, and sustainability of agricultural systems)
- The interplay between agroecosystems and the environment (soil, air, and water) and the role of ecological processes in provision of ecosystem services
- Agroecosystems and their role in catalyzing/mitigating global change (climate change, greenhouse gases and biodiversity loss)
- Ecological consequences of land use intensification and other human impacts (soil degradation and erosion, water and waste management, and associated mitigation approaches)
- Environmental implications of agricultural land use and land use change (biodiversity conservation and land management, and ecological restoration and stewardship)

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- Impact assessment and environmental/compliance monitoring investigations
- Exclusively greenhouse- or laboratory-based studies
• Studies on the development of models or methodologies and pure model applications
• Studies that are purely agronomic, socio-economic, or political

AUDIENCE

Scientists in Agriculture, Forestry, Ecology and the Environment, Administrators and Policy-Makers in these fields.

IMPACT FACTOR

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GUIDE FOR AUTHORS

INTRODUCTION

Agriculture, Ecosystems and Environment deals with the interface between agriculture and the environment. Preference is given to papers that develop and apply interdisciplinarity, bridge scientific disciplines, integrate scientific analyses derived from different perspectives of agroecosystem sustainability, and are put in as wide an international or comparative context as possible. It is addressed to scientists in agriculture, food production, agroforestry, ecology, environment, earth and resource management, and administrators and policy-makers in these fields.

The journal regularly covers topics such as: ecology of agricultural production methods; influence of agricultural production methods on the environment, including soil, water and air quality, and use of energy and non-renewable resources; agroecosystem management, functioning, health, and complexity, including agro-biodiversity and response of multi-species ecosystems to environmental stress; the effect of pollutants on agriculture; agro-landscape values and changes, landscape indicators and sustainable land use; farming system changes and dynamics; integrated pest management and crop protection; and problems of agroecosystems from a biological, physical, economic, and socio-cultural standpoint.

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