



# AGRICULTURE, ECOSYSTEMS & ENVIRONMENT

An International Journal for Scientific Research on the Interaction Between Agroecosystems and the Environment

## AUTHOR INFORMATION PACK

### TABLE OF CONTENTS

•	<b>Description</b>	<b>p.1</b>
•	<b>Audience</b>	<b>p.1</b>
•	<b>Impact Factor</b>	<b>p.2</b>
•	<b>Abstracting and Indexing</b>	<b>p.2</b>
•	<b>Editorial Board</b>	<b>p.2</b>
•	<b>Guide for Authors</b>	<b>p.4</b>



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### DESCRIPTION

#### AGRICULTURE, ECOSYSTEMS AND ENVIRONMENT

**An International Journal for Scientific Research on the Interaction Between Agroecosystems and the Environment**

*Agriculture, Ecosystems and Environment* publishes scientific articles dealing with the interface between **agroecosystems** and the **natural environment**, specifically how **agriculture** influences the environment and how changes in that environment impact agroecosystems. Preference is given to papers from experimental and observational research at the field, system or landscape level, from studies that enhance our understanding of processes using data-based biophysical modelling, and papers that bridge scientific disciplines and integrate knowledge. All papers should be placed in an international or wide comparative context.

The focus is on the following areas:

- Biological and physical characteristics and dynamics of agroecosystems.
- Ecology, diversity and sustainability of agricultural systems.
- Relationships between agroecosystems and the natural environment, including land, air, and water.
- Agroecosystem and global environmental changes including climate change, greenhouse gases and air pollution.
- Ecological consequences of intensification, soil degradation, waste application, irrigation, and mitigation options.
- Environmental implications of agricultural land use and land use change.

All manuscripts are initially screened on their topic suitability and linguistic quality. The following topics are discouraged unless they provide new information regarding processes operating at the agroecosystem-environment interface: inventory and survey analysis and impact assessment, including life cycle and emergy analysis; greenhouse or laboratory-based studies; development of models or methodologies and pure model application; 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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## ABSTRACTING AND INDEXING

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TROPAG/RURAL Database  
Engineering Village - GEOBASE  
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## GUIDE FOR AUTHORS

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### 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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