



# ENVIRONMENTAL AND EXPERIMENTAL BOTANY

## AUTHOR INFORMATION PACK

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### DESCRIPTION

Aims and Scope of the Journal *Environmental and Experimental Botany*:

*Environmental and Experimental Botany* (EEB) publishes research papers on the physical, chemical, biological, molecular **mechanisms** and **processes** involved in the **responses** of **plants** to their **environment**.

In addition to research papers, the journal includes review articles. [Submission](#) is in agreement with the [Editors-in-Chief](#).

The Journal also publishes special issues which are built by invited guest editors and are related to the main themes of *EEB*.

The areas covered by the Journal include:

- (1) Responses of plants to heavy metals and pollutants
- (2) Plant/water interactions (salinity, drought, flooding)
- (3) Responses of plants to radiations ranging from UV-B to infrared
- (4) Plant/atmosphere relations (ozone, CO<sub>2</sub>, temperature)
- (5) Global change impacts on plant ecophysiology
- (6) Biotic interactions involving environmental factors.

Each submitted manuscript related to these areas should be preferably based on an explicitly elaborated mechanistic hypothesis. The purely descriptive and following types of manuscripts are not suitable for *EEB*: field monitoring surveys, pure mathematical modeling without experimentations, pure correlative works, applied papers on agriculture and phytopathology, studies of plant biology, gene expression and molecular works without considering environmental aspects. The research should be based on a clear hypothesis and provide new insights on plant responses to the environment, preferably providing evidence of new mechanisms underlying plant stress resistance. Ecological studies are also encouraged if they provide a sound basis of physiological processes involved in the plant response to the environment.

## AUDIENCE

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Plant scientists, physiologists and molecular biologists.

## IMPACT FACTOR

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2018: 3.712 © Clarivate Analytics Journal Citation Reports 2019

## ABSTRACTING AND INDEXING

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Science Citation Index  
EMBiology  
Biological & Agricultural Index  
BIOSIS Citation Index  
Current Contents  
Elsevier BIOBASE  
Environmental Periodicals Bibliography  
Engineering Village - GEOBASE  
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## GUIDE FOR AUTHORS

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## INTRODUCTION

### **Aims and Scope of the Journal Environmental and Experimental Botany**

Environmental and Experimental Botany (EEB) publishes research papers on the physical, chemical, biological, molecular mechanisms and processes involved in the responses of plants to their environment.

In addition to research papers, the journal includes review articles. Submission is in agreement with the Editors-in-Chief.

The Journal also publishes special issues which are built by invited guest editors and are related to the main themes of EEB.

The areas covered by the Journal include:

- (1) Responses of plants to heavy metals and pollutants
- (2) Plant/water interactions (salinity, drought, flooding)
- (3) Responses of plants to radiations ranging from UV-B to infrared
- (4) Plant/atmosphere relations (ozone, CO<sub>2</sub>, temperature)
- (5) Ecophysiology of Northern plants under global change and environmental stress

Each submitted manuscript related to these areas should be based on an explicitly elaborated mechanistic hypothesis.

The following types of manuscripts are not suitable for EEB: purely descriptive studies, use of unicellular or micro-organisms as models, agricultural investigations, phytopathological studies, ecological reports, studies of plant biology without considering environmental factors.

### *Types of issues*

Alongside the standard issues, the journal publishes two other types of issues: *Special issues* and *Virtual special issues*. Special issues focus on a specific research topic and are organised by a guest editor. Virtual special issues bring together content already published on ScienceDirect. Articles appearing in virtual special issues have been selected by the Journal editor, highlighting topics that are of particular interest to the readers. The virtual issues are hosted on Elsevier.com, linking directly to the original articles on ScienceDirect.

### *Types of paper*

1. Original full papers (Regular Papers) 2. Review articles on Environmental Issues in Plant Science.

Original papers should report the results of original research. The material should not have been previously published elsewhere, except in a preliminary form.

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Divide the article into clearly defined sections.

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#### *Introduction*

State the objectives of the work and provide an adequate background, avoiding a detailed literature survey or a summary of the results.

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### *Conclusions*

The main conclusions of the study may be presented in a short Conclusions section, which may stand alone or form a subsection of a Discussion or Results and Discussion section.

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