

SOIL BIOLOGY AND BIOCHEMISTRY

AUTHOR INFORMATION PACK

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DESCRIPTION

AIMS

Soil Biology & Biochemistry publishes original, scientifically challenging research articles of international significance that describe and explain **biological processes** occurring in **soil**. These include the possible applications of such knowledge to issues of soil and environmental quality - insofar as such studies inform our understanding of the role of **soil biology** and **biochemistry** in mediating soil functions, agricultural sustainability and ecosystem services. The ecology and biochemical processes of soil organisms, their effects on the environment and their interactions with plants are major topics. The applications of new molecular, microscopic and analytical techniques to understanding and explaining population and community dynamics is of great interest. The journal also publishes state-of-the-art reviews of contemporary research that present significant and novel hypotheses, as well as comments and arguments about specific and often controversial aspects of life in the soil.

SCOPE

The scope of *Soil Biology & Biochemistry* publishes scientific research articles of international significance which describe and explain fundamental biological and biochemical features and processes occurring in soil systems.

The emphasis is on original research which substantively advances or directs our understanding of the mechanistic basis of how soils function. Articles may involve applications of basic knowledge to applied issues if they provide distinct insight into the role of soil biology and biochemistry in regulating soil functions. Some examples of major topics include: The ecology of all soil organisms (including viruses) How soil biology interacts with soil physical and chemical properties and processes to regulate belowground functions Relationships and functional interactions between soil biota and plants The effects of soil organisms on ecosystem dynamics across spatial and temporal scales

SBB also emphasizes the application of molecular, microscopic, and analytical techniques and modelling approaches to understand, explain and visualise soil functioning. Technique-focused papers must involve a particularly high degree of novelty or significance.

In addition, the journal publishes state-of-the-art reviews that consider contemporary research and synthesise knowledge to provide enhanced understanding of biotic roles in soil system functioning.

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AUDIENCE

Soil biologists, biochemists, plant scientists, agricultural scientists, environmental scientists, earth scientists, botanists, ecologists and entomologists.

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INTRODUCTION

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