

Special Issue

Relationship between Plant Isotope Composition and Environmental Changes

Message from the Guest Editor

Since the Industrial Revolution, the global environment has undergone tremendous changes, which have profoundly affected production and life. How global changes affect terrestrial ecosystems and how vegetation or plants respond to global changes are important topics in global change research. In recent decades, scientists have used plant isotopes to reveal changes in the carbon, nitrogen, and water cycles of terrestrial ecosystems with the global environment and the ecological strategies that plants adopt to adapt to environmental changes. This Special issue aims to publish research papers on the influence of environmental factors, biological factors, and their interaction on plant stable isotopes and the use of plant isotopes to reveal responses of plants or terrestrial ecosystems to environmental changes, the coupling between carbon cycle, nitrogen cycle, and water cycle, ecological and environmental physiology, growth, metabolism, morphogenesis, etc.

Guest Editor

Prof. Dr. Guo'an Wang

College of Resource and Environmental Sciences, China Agricultural University, Beijing 100193, China

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Plants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
plants@mdpi.com

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

Prof. Dr. Dilantha Fernando

Department of Plant Science, University of Manitoba, Winnipeg, MB
R3T 2N2, Canada

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