

林学—研究进展

稳定性氢氧同位素在植物用水策略中的研究进展

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摘要:

作为一种新的分析方法和示踪手段, 稳定同位素技术近20多年来在植物生态研究中得以快速发展。文章系统介绍了稳定性氢氧同位素在植物用水策略研究中的最新进展, 着重对该技术在确定不同生境下植物用水策略、区分不同功能群植物水分来源、植物水分再分配及指示环境气候信息等研究中的应用及前景作了阐述。

关键词: 用水策略

Recent Advances of Stable Hydrogen and Oxygen Isotopic Techniques in Plant Water Use Strategy

Abstract:

There are a number of studies in plant ecological research using stable isotope techniques during the past two decades. Applications and advances of stable hydrogen and oxygen isotope in plant water relations have been briefly summarized, for example, plant water use in different habitat, difference of water use source of various plant functional groups, hydraulic redistribution, applications to global climatic change and so on.

Keywords: water use strategy

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