

农村发展—生态资源环境

土壤微生物多样性的研究方法

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摘要:

为了更加全面有效地研究土壤微生物多样性,笔者通过对于当前国内外研究土壤微生物多样性的研究方法,包括微生物稀释平板记数法、Biolog微平板法、PLFA分析法、分子生物学方法进行了阐述,说明了几种方法操作性的优缺点,重点说明了在实验过程中应该选取的方法,为研究者选取研究方法时提供基本信息及建议。

关键词: 分子生物学

Technologies on Soil Microbiology Diversity

Abstract:

In order to be more effective and complete to research soil microbiology diversity, a series of laboratory methods for the current study soil microbial diversity at home and abroad were reviewed, including plate count, Biolog micro-plates, PFLA analysis and molecular biological techniques. The author illustrated the advantages and disadvantages of several methods, especially emphasis on which method should be selected during the experiment, provided a lot of basic information and advice for researchers.

Keywords: molecular biology

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