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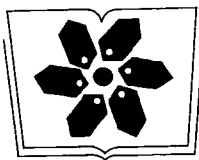
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封面图说:毛乌素沙地南缘沙丘的生物结皮——生物土壤结皮广泛分布于干旱和半干旱区,它的形成和发育对荒漠生态系统生态修复过程产生重要的影响。组成生物结皮的藻类、苔藓和地衣是常见的先锋植物,它们不仅能在严重干旱缺水、营养贫瘠恶劣的环境中生长、繁殖,并且能通过其代谢方式影响并改变环境。其中一个重要的特点是,生物结皮表面的凝结水显著大于裸沙。研究表明,凝结水是除降雨之外最重要的水分来源之一,在水分极度匮乏的荒漠生态系统,它对荒漠生态系统结构、功能和过程的维持产生着重要的影响。

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