

An Overview of Techniques for Analyzing Soil Microbial Diversity

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Abstract: *The breakdown of organic matter, controlling the release of mineral nutrients, and nutrient cycling are all greatly aided by soil microbes. Soil microbial diversity has been the subject of much research recently. It is a difficult challenge to comprehend the variety of this intricate microbial population in the soil environment. For this reason, it's critical to learn and understand the proper techniques for researching soil microbial diversity. This document provides a quick introduction to main research methodologies and the concept of soil microbial diversity. Subsequently, the utilization of biochemical and molecular approaches in this field is assessed, along with their benefits and drawbacks. A review of current relevant studies is provided, along with perspectives for investigating soil microbial diversity.*

Keywords: bacteria, diversity, fungi, molecular, soil.