

Scientifically Grounded Approaches to Address Slope Land Erosion

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Abstract

430 mln.ha of land has been damaged by erosion processes in different countries around the world. Surface, ~~the most widespread type of erosion, is caused by water runoff on the surface of the land, leading to the loss of topsoil and the degradation of the land's structure. This process is particularly severe in hilly and mountainous regions, where the soil is thin and the vegetation cover is sparse. The erosion process is a complex phenomenon that involves the interaction of various factors, including climate, soil type, and human activities. Understanding the mechanisms of erosion is crucial for developing effective strategies to prevent and control it. This abstract discusses the scientific approaches to address slope land erosion, focusing on the identification of the erosion process and the implementation of sustainable land management practices.~~ country,

changes in the microclimate characteristics of such areas occur, forests do not play a role in soil and water management, and after heavy rains there is a huge destructive flood. As a result of the erosion, 118400 m³

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