

Agroecological Management of Degrading Coastal Dunes in Southern Anatolia

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Abstract

The determination of the present and ideal land use planning of the Mediterranean coastal sand dunes in Adana, S. Turkey has been undertaken by an interdisciplinary group with a holistic approach with the designation of a land management unit (LMU). Recent trends stress the importance of LMUs based on intrinsic qualities, and relative responses of land resources along with resilience characteristics being the scientific basis for managing land.

There have been few attempts to determine the technical and scientific criteria for a holistic multidisciplinary optimal plan for the coastal dunes. Thus, the study aims to reveal present land cover types and also the ideal land use planning within LMU concepts considering the existing properties of the sand dunes and the surrounding areas. This LMU is expected to indicate the intricate relations and mandatory simultaneous existence of misuse with appropriate use in coastal sand dunes along with the betterment of the former.