

**O 32. THE DETERMINATION OF ALOE VERA PLANT CULTIVATED IN ARID AREAS
AND ITS APPLICATION IN LANDSCAPE ARCHITECTURE**

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ABSTRACT: Natural resources have been led to be disappeared gradually from the surface of the earth by time, besides, the increase of drought caused by warming of the ground has also happened. The applications used in landscape architecture have some problems such as gradual decrease in the number of natural water reserves, insufficient water in agricultural fields. In this case, since there has not been much solutions found for applying against desertification issues, the need for the application of Landscape Architecture methods such as designing of new irrigation schemes, consideration of some soil measurements and studying of plants grown in arid areas especially Aloe Vera, as the most important part, are very essential methods which have been taken to account. In this study, Aloe, which is a very valuable aromatic plant as well as a useful plant in landscape architecture, has been considered and 56 species of this plant cultivated in Izmir city of Turkey has been evaluated in the point of landscape architecture.

Keywords: *Aloe, Arid Landscape, Landscape Architecture, Natural Resources*