

## عنوان مقاله:

Sustainable Ventilation Analyses of Showadan Approaching Energy Efficiency in Hot -Humid Climate of Shushtar and Dezful Cities in Iran

## محل انتشار:

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## خلاصه مقاله:

Showadan is the cool basement space, which has been made in the traditional monuments of the hot and humid climatic regions in Iran, especially in Dezful and Shushtar (southwest Iran) in an attempt to meet the region's climatic requirements created by making holes with the depth of 6 m under the hard ground (conglomerate), and below the yard level. Showadan consists of some rooms having the average temperature of 25°C annually, which are used to provide cooling needs of the residents in the summer. Showadan contains various parts such as, a particularly wide entrance, stairs, wide stairs, stage (scene), chamber, closure, kat, in which with the possibility of increasing the volume, the depth, and storing the cool and heavy air of the night as well, the amount of cooler and more sustainable air coming from the heart of the ground and reaching the rooms of the house increased during the daytime though the canals joined between them, thus leading to optimization of energy consumption. In this article, Showadan's climate-energy functions are analyzed by describing the guidelines of the contemporary

## کلمات کلیدی:

showadan, optimization of energy consumption, sustainability

## لینک ثابت مقاله در پایگاه سیویلیکا:

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