

## عنوان مقاله:

Organizing the Residential Structures of Tehran City Suitable for Wind Flow

## محل انتشار:

دومین کنفرانس بین المللی عمران ، معماری و مدیریت توسعه شهری در ایران (سال: 1398)

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## نویسنده:

,Taraneh Saniee - Ph.D of urban weather of Kharazmi University, Tehran, Iran

## خلاصه مقاله:

The climate and climatic agents directly affect the human body and play a significant role in the thermal comfort, the physical well-being and human health. In some cases, it prevents citizens from being presence and taking action in urban areas. This necessitates the consideration of the climate debate and the control of the inappropriate effects of climatic elements in the urban environments. Although, over the past half century knowledge bases on the climatic issues are expanding , there is little evidence of practical application of the results of climate studies in urban design, Of course, this can be attributed to the fact that the results of many studies on the impact of spatial parameters on the climate change are difficult and difficult to apply in the urban design. Because, many of these results are scientific and theoretical and can not be applied in design operations. The city and climate are two man-made and natural systems that have a strong impact on each other. The climate as far as it relates to human comfort is the result of such factors as the sunlight, temperature and humidity winds and rainfall. The climate of each geographic location has special conditions which at the same time has some limitations in the urban design. The wind is a phenomenon that has been explored for many years in the meteorological arena. The meteorological information is important at all stages of wind energy conversion systems. Among the climatic factors, the wind flow has a very important role in shaping the city. The street orientation, height and density of buildings , the distribution of high buildings and ... are among the elements of urban design that affects the pattern of wind flow in urban spaces. In the approach of human reconciliation with nature, housing is an important issue that its interconnectedness with the environment can play a valuable role in modulating the energy crisis and environmental challenges. This paper by descriptive-analytic method based on the principles of climate design and based on the information gathering by the library and field method and applying RayMan Heat Index, Wind Chill and Ecotect software for studying the climate comfort followed by Urban .design is proportional to wind-flow in Tehran

## کلمات کلیدی:

Climatic Design, Wind, Urban Spaces, Tehran

## لینک ثابت مقاله در پایگاه سیویلیکا:

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