

Effect of 120-days wind of Sistan on the planning and designing of public spaces (Case study: The parks of the city of Zabol)

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ABSTRACT:

Weather conditions, along with other environmental factors are considered as one of the most important factors in the formation and development of cities and urban survival. In fact, cities, urban elements and their performance have been affected by the weather and climatic conditions. Wind has played a pivotal role in physical-spatial arrangement of old cities in the past. In this regard, the goal of the present research is the effect of 120-days wind of Sistan on the planning and designing of public spaces at the parks of the city of Zabol. The method of research is descriptive – analytic based on library and documentary studies. ELECTRE model has been used for analyzing data and field studies has been used for completing the research. The results showed that Mellat Park with the obtained weight of 0/60 and Yaqub Laith park with obtained weight of 0/16 have allocated the highest and the lowest weights. The results of ranking indices of parks showed that the indices of building places in the park at times of heat and sun, using windbreak in parks, the use of the right grass species in reducing energy consumption are preferred compared to other indices.

Keywords:

Designing, planning, 120- days winds, park, Sistan