

عنوان مقاله:

Cold highland climate and its conformity with new architecture, a case study of Mahabad city climate

محل انتشار:

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خلاصه مقاله:

How to deal with nature and architecture is a reaction which each person in any place around the globe has and will have. In the meantime, our ancestors in constructing buildings and their living environment always tried to interact with regional climate. But nowadays humans try to cope with climate by using new materials and technology; and meanwhile we witnessed using urban planning, residential construction, and materials that are merely an adaptation, and in long term cannot be responsive to climate changes and effects of different environments. The research method in this article was descriptive analytical in which climatic characteristics of cold highland climate was briefly discussed and the effect of climatic factors on the urban planning of Mahabad - which is located in the south of West Azerbaijan province- was discussed at length in order to investigate the existing urban fabric and form of city buildings in compliance with climatic characteristics of the region. After reviewing climatic characteristics of Mahabad city and residential and urban environment compliance with it, we conclude that neglecting the climate in residential and urban planning caused a lot of problems in this city, and in many cases form of buildings, the materials, and design of the urban fabric is inconsistent with climatic conditions of this region. At the end, some solutions in line with the sustainable development are provided for compliance of residential and urban planning of Mahabad to meet the needs of citizens.

کلمات کلیدی:

Mahabad climate, urban fabric, cold highland climatic factors, urban planning, residential texture, sustainable development

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