Climatic Feasibility of Southern Shores of Caspian Sea for Beach Tourism Development

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Abstract
The aim of the present research to study the climate effects of Caspian Sea shores on some activities for beach tourism development. In this regard, the 25-year meteorological data (1986-2010) of eight synoptic stations were used. In order to evaluate coastal resting feasibility the BCI was used and key & Vamplew model was applied to assess the sport tourism in three fields as parachute, football and Athletics (track). Validation & Comparison of thermal comfort was conducted for mentioned activities & analyzing the climatic conditions for coastal development activities with wind chill index. Analyses based on the outputs of CTIS model and the regionalization area was performed by IDW method.

The results obtained from the BCI index showed that Eastern shores are more preferable compared to the western shores for coastal resting. Based on BCI and wind chill index it was found that June, July and August months are more suitable for coastal resting In contrast, the western shores have better feasibility for windy sports. Although the extent of favorable areas are higher for parachute sports on the eastern shores, but the climate potential on the Western Coast is more suitable. However, the western coast compared to the eastern one have more favorable climatic conditions for the creation of coastal complexes. In general, due to inappropriate temperature, wind speed and foggy increase, in the months of December, January and February there aren’t favorable conditions for mentioned activities in the western parts.

Keywords: Climate feasibility, Beach climate index (BCI), Climate Tourism Information Scheme (CTIS), Southern shores of Caspian Sea.

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