

عنوان مقاله:

Influences of Climatic Factors on The Thermal Comfort in Urban Area of Bandar Abbas City

محل انتشار:

کنگره بین المللی پایداری در معماری و شهرسازی - شهر مصدر (سال: 1393)

تعداد صفحات اصل مقاله: 1

نویسندگان:

Houbeh Tahvildari - Faculty member of architectural dep., Islamic Azad University , Bandar Abbas branch

Masoud Dalman - Lecturer of architectural dep., Islamic Azad University , Bandar Abbas branch

خلاصه مقاله:

Urban forms and canyons have an important role on the microclimate and thermal comfort situation in urban areas. Bandar Abbas city, located in southern part of Iran at the northern rim of Hormuz Strait, is an example of an urban growth area with a combination of traditional and modern urban fabrics. The hot and humid climate of Bandar Abbas, especially in long summers causes thermal stress for urban activities. To understanding the influence of microclimate factors and thermal comfort situation in the study area, two different typologies of traditional and new residential development (Modern) urban fabrics have been studied in south east of Bandar Abbas. The results indicate that traditional urban fabric is more thermally comfortable than the new residential urban fabric. According to the field measurements, thermal comfort calculation and wind simulations, the canyons with North-South direction represents better orientation for air circulation benefiting from sea breezes as compared to other canyon orientations.

کلمات کلیدی:

(hot-humid Climate, urban canyon, thermal comfort, wind and humidity, Computational Fluid Dynamics (CFD

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/378013>

