

## عنوان مقاله:

(Natural ventilation in tall buildings (Case studies and Strategies

## محل انتشار:

سومین کنگره بین المللی علوم و مهندسی (سال: 1398)

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## خلاصه مقاله:

Wind environment has been known as one of the factors that influence building largely in climate indicators. In this way, natural ventilation in buildings relies on various factors such as wind and thermal buoyancy as driving forces among urban spaces and building blocks. Early humans have used these passive strategies throughout history to create the desired thermal environment in order to promote their dwelling's thermal comfort. Nowadays, by emerging technology in building construction, most architects and designers have been using these such passive techniques in the buildings towards sustainable architecture. Natural ventilation is an appropriate approach to achieve a healthy and comfortable indoor environment in tall buildings as well. The present study was examined the principles of natural ventilation and its mechanism. Furthermore, provided various tall buildings case studies with their design approaches. Eventually, many design strategies were introduced

## کلمات کلیدی:

Natural ventilation, Tall buildings, Double Skin Façade, Wind Buoyancy

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1043022>

