

## عنوان مقاله:

(Designing sustainable schools in moderate and humid region) (case study: Babolsar)

## محل انتشار:

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## خلاصه مقاله:

Depletion of natural resources and pollution of the earth has terminated the more energy consumption by human. Durability of the built environment and reduction of energy consumption and pollution are the topics that we have are engaged with in building sustainable design. If a building is considered with a wide range of applications in a variety of environments, school as an active member is a living community for a group of people and knowing sustainable design principles for it can reduce the extent of the consequences of the crisis ahead. On the other hand, the goal of sustainable design is consistency with environment. In this paper, Mazandaran province has been chosen as a temperate and humid region s so that the climatic influential factors on sustainable architecture are identified. In this paper, using library studies the subject knowledge of the concept of sustainability, sustainable design principles in terms of understanding human being comfort, a variety of renewable energies, systems of reducing energy consumption, and the systems of renewable energy use, we have paved the way toward sustainable architecture. Then, efficiency and performance of systems and design principles are scrutinized for sustainable school and especially in on classroom. In the next step, based on local architecture knowledge of Mazandaran and climatic design principles, systems and efficient design principles are classified. To understand the characteristics of the climate and energy system impact, software of weather tool was used. The result of this series of knowledge is design pattern of sustainable schools in the province in two parts: energy consumption reduction systems and renewable energy use systems

## کلمات کلیدی:

Sustainable architecture, sustainable design principles, sustainable schools, vernacular architecture, Mazandaran, classroom

## لینک ثابت مقاله در پایگاه سیویلیکا:

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