

## عنوان مقاله:

Architectural strategies to reduce co2 emission for buildings

## محل انتشار:

دومین کنگره بین المللی سازه ، معماری و توسعه شهری (سال: 1393)

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## نویسندگان:

Lida Balilan Asl - Assistant Professor, Department of Art & Architecture, College of Architecture, Tabriz Branch, Islamic Azad University, Tabriz, Iran

Dariush Sattarzade - Assistant Professor, Department of Art & Architecture, College of Architecture, Tabriz Branch, Islamic Azad University, Tabriz, Iran

Mina Gane - M.Sc, Department of Art & Architecture, College of Architecture, Tabriz Branch, Islamic Azad University, Tabriz, Iran

## خلاصه مقاله:

Scientists predict that emissions of CO<sub>2</sub> and other greenhouse gases from human activities will raise global temperatures by 2.5°F to 10°F this century. The effects will be the threat of climate change. To address, greenhouse gas emissions must be stopped, and reversed. Energy efficient buildings is one of the best strategies for reductions in energy and CO<sub>2</sub> emissions and meeting the challenge of climate change. Architectural strategies can reduce CO<sub>2</sub> emissions while improving the bottom line through energy and other savings for buildings. The aim of this paper is to describe and analyze architectural strategies for reductions in energy and CO<sub>2</sub> emissions such as site planning and building configuration , Locations include being near public transport ,landscaping, orientation for good access to sunlight and daylight, Direct and indirect solar gain, Building form and envelope. Locating functions can enhance energy efficiency and reduce CO<sub>2</sub> emission. Cross ventilation is best way of Natural Ventilation of buildings in areas and also Good day lighting reduces energy consumption. Design features encouraging recycling help divert waste .from over-burdened landfills and save virgin materials

## کلمات کلیدی:

Architecture, Co2 emission , Energy efficient buildings

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