

The role of building codes in supporting the spread of the green architecture applications in the Arab Republic of Egypt

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Abstract:

The codes and legislation of building contribute to the control and regulation of building inside the societies. It is considered the main role to ensure applying the building requirements and standardize the urban style of cities. It represents the main aim of the enactment of codes and legislation of architecture and Urban. Despite the codes and legislation that have contributed to achieving this aim to the limit, but have not able to encourage the owners and entrepreneurs to concern for adding dimensions that give significant features for their projects such as Preservation of identity, character, inclusion of projects in green architecture classification lists. it was due to those codes did not contain incentives to encourage entrepreneurs and architects to add these dimensions, as well as, a lot of the environmental aspects for architecture or easement rights and cultural identity have overlooked and led to the separation of the society from its customs, traditions and civilizational heritage which are considered the important standards to support the principles of the Green Architecture. therefore, this paper is considered as a serious attempt to induce the legislators avoiding the errors that lead to the alienation of architecture from their societies, without taking account of its surrounding environment, directing the codes towards stimulating the entrepreneurs and architects to add the dimensions of social, environmental to their projects through reviewing the current errors about the building codes and providing the ideas about encouraging and inducing the decision-makers to contribute in spreading the applications of green architecture inside new cities which represent the core of future architecture in order to face the challenges that have now become imminent. in the conclusion of the search, there is an outline of the set of recommendations of the most important points which must modify by the current building codes, foremost among which the building requirements under the Uniform Building By-Laws and the most important points to add to encourage the decision-makers either owners or architects to head toward the green architecture that became a necessary requirement to face the challenges of the future.

Key Words:

Building codes - green architecture - legislation of architecture and Urban - the building requirements