

# **Design of the Manjil Cultural and Art Center based on the principles of passive buildings**

Maryam Ghasemi Shahrani\*,

**The spaces and centers of social and cultural-artistic activities in the city environment are created in accordance with the needs and activities of the community in order to formalize and sustain the social life of the urban community. The goal of this project is to create a healthy and cultural environment, complementary to other educational centers, or a set of leisure time based on the productivity of ecological principles, so that, with reasonable and reasonable use of natural resources, the protection of renewable resources and promotion It is a quality ecosystem, because these collections provide good illustrations of the city for the residents. It is very important for residents to have an image of their city and what city's identity is emphasized on. In the design of this collection, it is tried to consider the scale of the city of Manjil and its neighboring cities and the dimensions and function of the collection in terms of urban hierarchy. It has also been attempted to create the interior design of the collection, while maintaining the independence of each major sector and the non-intersection of macro-sectoral functions with each other, create the spirit of cooperation and the logical connection between the sectors, because such a feature can be integrated and uniform. The current research is based on descriptive-analytical approach based on theoretical foundations of inactive buildings, which are gathered in a library way using the resources and information in relevant organizations, including the Meteorological Office. Based on the preliminary studies to reduce or eliminate mechanical equipment, first, it attempted to identify inactive and inexpensive techniques in everyday life, as well as reviewing similar samples and the inferred results these samples, was part of The model is modeled with the Design Builder software to the entire set of generalizations, the results of which indicate that the subject matter of an inactive or passive architecture in a comprehensive design consists of the shape of the building,**

---

its components and its components as a A general system that can reduce costs, improve comfort and lifestyle, and also have an environmental impact. At least minimize.

**Keywords : Cultural-Artistic, Leisure time, Ecological, Manjil, Passive Buildings, Design Builder**

[Islamic Azad University, Rasht Branch - Thesis Database](#)  
[دانشگاه آزاد اسلامی، واحد رشت - سامانه بانک اطلاعات پایان نامه ها](#)