DETERMINING A CONTRIBUTION OF THE COURTYARDS TO THE BUILDING IN TERMS OF SUSTAINABILITY CRITERIA IN ARCHITECTURE - AN EVALUATION ON THE COURTYARD BUILDING EXAMPLES IN THE MARMARA REGION

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All interested are cordially invited.

ABSTRACT
The courtyards can be defined as a special space limited in architectural designs; however, the fact that courtyards are treated as a living space and their potential is recognized shows that they are more than just a void. From the ancient times, every society has created courtyards that reflect their religious beliefs, cultural and social experiences.

The fact that yard use has an important role in terms of sustainable architecture cannot be denied. According to the Brundland Report, sustainability is defined as “development that meets the needs of the present without compromising the ability of future generations to meet their own needs”. In this context, the concept of sustainability is examined in terms of its basic features.

While the interior creates an outer space feeling, vegetation areas and micro-climatic environments in the structure of the courtyard create a common social space that is different from the external environment. The definition of common space concepts at the building level was made and common exterior and interior spaces at the building level related to nature were examined and the common interiors were compared in terms of sustainability.

In the literature, there are many and various courtyard typologies. In this thesis, a typology has been made and a table has been developed by taking into consideration the opportunities provided by the courtyards to the building in terms of sustainability. 13 different commercial and educational structures in the Marmara Region were examined and the contributions of courtyards to these structures in terms of sustainability were evaluated.

BIOGRAPHY
Oya Babalı is currently studying Architecture in Graduate School of Natural and Applied Sciences in Yeditepe University. At the same time, she’s working as a Research Assistant in Urban Design and...
Landscape Architecture Department in Yeditepe University. Oya Babali obtained her Bachelor Degree from Interior Designing Program in Architecture Faculty, Yeditepe University in 2015.