Rapid urbanization is one of the most important issues of our time. After the process of rapid urbanization, it was encountered often distorted, unplanned cities. Ecological structure has not been preserved and it was occurred uncomfortable and problematic areas for both humans and other living organisms. Compared with the surrounding natural environments in urban areas it was observed up to 6-12 °C temperature differences. Therefore, the distortion occurred in the natural structure. Significant increases in heating and cooling costs because of the heat islands, atmospheric pollution in urban environment, ecological degradation occurring in nature has necessitated a search of remedies in order to improve the urban environment. At this point, urban trees has gained importance to prevent of the formation of urban heat islands and air pollution, to provide of different recreation facilities, and in order to ensure the protection of the ecological structure. In this study, it will emphasis the important contributions of urban trees with respect to the role of preventing the formation of urban heat islands, and thus the positive effects on the physical and ecological structure of environment.

Key words: Urban Trees, Urban Heat Island, Urban Ecology, Landscape.