

## **ROLE OF TERRACE GARDEN IN SUSTAINABILITY AND ENVIRONMENT**

### **(A CASE STUDY)**

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### **ABSTRACT**

As the world is heading towards the depletion of natural resources and the loss of forest/garden area due to urbanization, there is a dire need of terrace gardens. Due to the population explosion with a house for every citizen in the country, all the open areas are eaten away by concrete buildings. This has created the ecological imbalance, which can cause tremendous harm to our future generations. When we cannot avoid utilizing open spaces on the ground for the construction of buildings and other utilities, then at least the open spaces available above these buildings can be utilized for plantations and gardens to minimize the ecological imbalance, if not eliminate it altogether. There are many benefits of these terrace gardens, such as waste recycling, ecological benefits, energy conservation, water conservation, decorative enhancement of buildings, occupant's health benefits and attracting birds and insects. The list can be much longer. In this paper, a case study is considered highlighting the benefits of terrace garden and its significant role in sustainability and environment. The paper is based on the author's own experience in self-cultivated terrace garden.

**KEYWORDS:** Terrace Garden, Utilizing the Available Open Space, Sustainability, Energy Efficiency, Environment and Health