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*Research Paper*

## Improving indoor oxygen in residential buildings using houseplants

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■ **ABSTRACT** : Cities need more trees and plants. People are getting tired of cities without them. They want pretty flora that will attract fauna. Plants growing should be made a legal commitment for industries as well as household level. Everyone should involve and encourage population, to generate love for the plants and trees. Cool greenery pleases the human eye and soothes the mind. Moreover, the cleansing of the environment needs the planting of trees, shrubs and plants as these replenish oxygen in the atmosphere, so essential for human life. Though it is not possible for everyone to plan something for global environment, but small contributions should definitely be made by individuals. So, the study was carried out to aware the people that plants help in maintaining the purity of indoor environmental status by enhancing the oxygen level. Results entailed that houseplants performed their best, whenever they were utilized, either indoor or outdoor by releasing O<sub>2</sub> and making the IAQ fresh and pure. However, plants perform better in enclosed and air tight chambers, as the rooms without any ventilation require fresh air, which plants do by releasing O<sub>2</sub>.

■ **KEY WORDS**: Houseplants, Indoor environmental status (IES), Oxygen concentration

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