

PURIFY INDOOR AIR WITH EASILY ACCESSIBLE HOUSEPLANTS

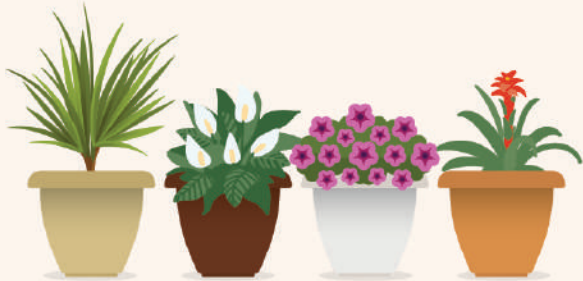
THE MENACE OF AIR POLLUTION

Along with noteworthy innovations, the 21st century has also, unfortunately, dragged along with it an uninvited guest: air pollution.

Air pollution today is a key health concern around the globe, with many adverse effects including respiratory and cardiovascular diseases as well as pregnancy complications.

NASA has released data on the best air-purifying houseplants which are all easily accessible.

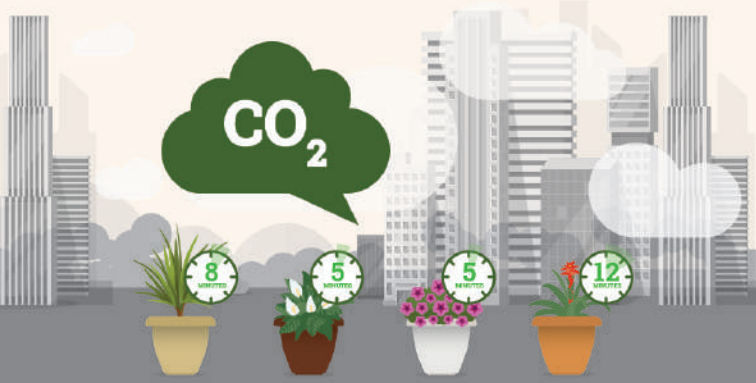
While NASA has published this data primarily to purify the air in space stations, we decided to conduct our own research and experiments in order to help purify indoor air in homes.



OUR DISCOVERIES AND SOLUTION

The most effective houseplants for purifying indoor air include Red-edged Dracaena, Peace Lily, Florist's Chrysanthemum and Flamingo Lily.

To put their prowess for purifying air to the test, we first isolated each plant in a plastic bottle to measure their abilities for fighting Carbon Dioxide (CO_2) and Ammonia (NH_3), two major components of air pollution.



CO₂ PURIFICATION

Red-edged Dracaena – completely purified the air within the bottle within 8 minutes.

Peace Lily – cleaned all the CO_2 from the bottle within 5 minutes.

Flamingo Lily – purified the air in about 5 minutes as well.

Florist's Chrysanthemum – was able to purify the polluted bottled air within 12 minutes.



NH₃ PURIFICATION

Red-edged Dracaena – almost 10 minutes

Peace Lily – nearly 8 minutes

Flamingo Lily – about 9 minutes

Florist's Chrysanthemum – about 8 minutes

CONCLUSION

As evidenced by these experiments, two of the most lethal and toxic substances found in air pollution, carbon dioxide and ammonia, can be removed almost completely by using the above four, easily accessible houseplants indoors.

