

## A DESKTOP PLANT Can Be A Workplace STRESSBUSTER

Agencies

oes office work make you feel anxious and burnt out? involvement with a plant. Do the fast-approaching The study which got published in deadlines and boss meetings the journal HortTechnology revealed strike terror in your heart and set your a slight drop in the anxiety score of pulse shooting up through the roof?

surprisingly, a potted plant placed right by your desk might help to remedy your daily sufferings, at least The previous research on this subto some extent.

of researchers from Japan carried out plant interaction. an experiment to study the stressrelieving effects that plants can po- that it not only analysed the stresstentially have on employees at a busy busting effects of gazing at a plant in suddenly been quantified. And so

Japanese electric company to figure taking care of the plants. out the variations in their stress levels, before and after a 3-minute long

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employees with anxiety and a con-

The previous research on this subject was mostly carried out in con-According to CNN Health, a group trolled settings involving indirect continue to point out that plants are beneficial to humans."

This study is unique in the sense their study on the employees of a the effects emanating from actively hind the reasoning.

A positive trend was observed in the involved the use of State-Trait Anxiety mental well-being of the employees Inventory index (STAI) and heart rate when they were encouraged to take measurements of the employees, both "nature breaks" lasting for three min- in the morning and night.

utes, told Dr. Masahiro Toyoda, lead author of the study and professor at the the control phase during which the University of Hyogo, told CNN Health. workers measured their pulse rates According to Dr. Charles Hall, Elby hand at the time when they felt lison Chair of International Floricul- stressed and then once again after ture at Texas A&M University this staring for three minutes at the comresearch is the "latest of those that puter screen instead of a plant.

Before the commencement of the control phase, the workers were taught He further added that "it's some- about how to care for a plant and were thing we inherently knew but has asked to choose their favourite one.

The methodology of this experiment the second reading was taken after kept on their desk.

A slight drop in STAI scores was observed during the two weeks, approach didn't suit everyone and in tween 24 and 60 and spent an aver-The first week of the study was however, a drop in pulse rate was some cases, led to a further increase age of 40 working hours in the office. quite apparent in more than one- in anxiety. fourth of the workers.

A drop in resting heart rate indicates think the anxiety among those in the the suppression of the body's fight or study where their anxiety increased, of greenery into the office environflight mechanism that sets in when an in- it was because of that particular phedividual is faced with a stressful situation. nomenon that all of a sudden they're

The researchers pointed to a few responsible for taking care of a plant reasons that might have contributed and then all of a sudden the plant's to the aforementioned outcomes. not doing well and they have some your desk is not possible, the experts From the point of view of the at- anxieties from that."

During the following two weeks, tention restoration theory, a positive While on the other hand, there dow for three minutes or taking brief workplace. The experts conducted actual office environment, but also now, we're seeing the numbers be- the subjects first measured their correlation is seen between concen- were people who gradually got ac- strolls outside the office building can pulse under stressful conditions but tration levels and looking at nature. customed to the presence of plants induce similar positive effects.

Furthermore, the affection involved and stopped responding to their gazing for three minutes at the plant in caring for the plant might have also stress-reducing effects. played an instrumental role.

Hall explained to CNN Health: "I

The study took 63 employees However, it was noted that this under its ambit who were aged be-Amid the rising cases of work pressure-induced mental disorders, the authors stated that "the adoption ment is becoming widespread as the need for improving mental health becomes greater."

If by chance, keeping a plant on suggest that gazing outside the win-

Excess Smartphone Use Linked To Mental Distress, Suicidality

Foreign Language Learners May Continue To Make Same Mistakes They Point Out In Peers

## Agencies

sing smartphone for long hours every day may do you more harm than you can probably think of. Researchers have found that spending a lot of time with the device and on social media may lead to mental distress and suicidality among adolescents.

The findings, published in the journal CMAJ (Canadian Medical Association Journal) contains guidance for physicians, parents and teachers on how to help teenagers manage smartphone and social media use for a healthy balance between sleep, academic work, social activity, interpersonal relationships and online activity.

"Physicians, teachers and families need to work together with youth to decrease possible harmful effects of smartphones and social media on their relationships, sense of self, sleep, academic performance, and emotional well-being," said lead author of the study Elia Abi-Jaoude from ternet-based talking therapies cannot Toronto Western Hospital in Canada.

This review of evidence, led by the

Press Trust Of India

death, according to a study based on

data from over 400 cities in 20 coun-

The study, published in The BMJ jour-

nal, show that over 6,000 early deaths

each year would have been avoided in

the selected cities if countries had im-

the London School of Hygiene and

Tropical Medicine in the UK, noted

that ground level ozone is a highly re-

Researchers, including those from

tries across the world.

level ozone in cities world-

increased risk of premature



not consider online gaming. "For adolescents today, who have

not known a world without social media, digital interactions are the norm, and the potential benefits of online access to productive mental health information -- including media literacy, creativity, self-expression, sense of belonging and civic engagement -- as well as low barriers to resources such as crisis lines and Inbe discounted," the authors wrote.

Daily Exposure To Ozone Pollution

aily exposure to ground oxygen, and is a highly reactive gas.

plemented stricter air quality standards. make it difficult to draw consistent

active gas commonly found in urban 20 countries, with overlapping peri-

and suburban environments, formed ods between 1985 and 2015.

wide is associated with an cent of the world's population in urban

Linked To Higher Early Death Risk: Study

Ozone is made up of three atoms of

Recent reviews suggest that 80 per

areas are exposed to air pollution levels

above the Word Health Organization

(WHO) threshold of 100 microgrammes

Most previous studies have found

positive associations between ground

level ozone and mortality, but dif-

ferences in study design and quality

conclusions across different regions.

The team analysed deaths and

environmental measures -- weather

and air pollutants -- in 406 cities in

per cubic metre (g/m3), they said.

when pollutants react in sunlight.

The researchers recommend that Hospital for Sick Children (SickKids), doctors should ask teenagers to reduce and starting to take steps to mitigate focuses on smartphone use and does social media use rather than eradicate it," the authors wrote.

it completely and encourage parents to be part of the conversations.

Parents should discuss appropriate smartphone use with teenagers to determine together how to reduce risks and set boundaries.

A recent poll from the US indicates that 54 per cent of teenagers think they spend too much time on their smartphones and about half said they were cutting back on usage. "Encouragingly, youth are increasingly recognising the negative impact of social media on their lives

The researchers derived daily av-

erage ozone levels -- above a maxi-

mum background level of 70 g/m3 --

particulate matter, temperature, and

relative humidity at each location to

estimate the daily number of extra

A total of 45,165,171 deaths were

On average, a 10 g/m3 increase in

ozone during the current and previous

day was associated with a 0.18 per cent

increased risk of death, suggesting evi-

each year in the 406 cities that could

potentially have been avoided if

countries had implemented stricter

air quality standards in line with the

WHO guideline, the researchers said.

This equates to 6,262 extra deaths

dence of a potential direct association.

deaths attributable to ozone.

analysed in the 406 cities.

earners of foreign languages can hear the errors in pronunciation that fellow learners tend to make, but may continue to make the same mistakes themselves despite years of practice, according to a study which may lead to better ways of providing external feedback in language courses.

The researchers, including those from Ludwig Maximilian University (LMU) of Munich in Germany, said one of the hurdles in learning a foreign language is knowing the right was to pronounce words, in which learners are typically prone to specific sets of errors.

In their study, published in the iournal PLOS One, they revealed that people laugh at these mistakes in pronunciation made by their peers, even though they make the same mistakes themselves. This reaction, the researchers said, points to a paradox in which learners register errors when made by others, but find it virtually impossible to eliminate the same typical errors in their own pronunciation even after vears of practice.

"Learners have a tendency to overestimate the quality of their own pronunciation," said Eva Reinisch, study co-author from LMU. "As a rule, they believe that their English is better than that spoken by their fellow students they make the same set of errors," Reinisch said.

exaggerated assessment of one's recognise their own productions, own ability is a significant fac- the study noted. tor explaining why it is difficult to learn the sounds of a foreign language.

In the study, the scientists asked 24 female German learners of English to read out 60 short sentences like "The family bought a house", sessments couldn't be taken as "The jug is on the shelf", and "They unbiased," said Holger Mitterer, heard a funny noise". Weeks later, another co-author of the study the same learners were invited to from the University of Malta in the lab again, and asked to listen to Malta. In all cases, the listeners recordings of four learners -- three rated their own pronunciation from others, and one of their own as better than others did, even -- and were asked to grade the pro- when they were unable to recognunciation of each sentence. The nise that it was their own record-

According to the study, this ensure that participants would not

were surprised that the experisignificance of overestimation of more congenial. one's own abilities in this con-

text," Reinisch added.

at language schools, although recordings were manipulated in ing, the researchers noted. "We people rate things which they are more familiar with -- such as

> According to the researchers, the findings emphasise the importance of external feedback in language courses, since it incents being easier to understand creases the learners' awareness than accents that are less com- of deficits in language production and comprehension. A lack of feedback, according to the study, increases the risk of learners feeling that they have already mas-"Perhaps this familiarity leads us tered the unfamiliar articulation to regard our pronunciation as patterns in the new language, while that may not be the case. "As long as we believe that we are contributing to the finding, the already pretty good, we are not scientists said, is known as the going to put in more effort to im-'mere exposure' effect in which prove," Reinisch said.

such a way that the female speakers sounded like male speakers to

mental design is crucial. It was essential that none of listeners

monly spoken. "One is best acquainted with the sound of one's own voice, and has no difficulty understanding it," Reinisch said being better than it actually is," she said. Another possible factor

The researchers said the results could be due to familiar ac-

ment so clearly pointed to the the sound of our own voice -- as

"This element of the experi-

would be aware that their own productions were included in the

test sample, otherwise their as-