

SBULLETIN

News

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CSIR-NATIONAL BOTANICAL RESEARCH INSTITUTE, LUCKNOW

The

Environmenta Information System at Eco-Auditing Laboratory, National Botanical Research Institute is focussed on "Plants & Pollution". This is the E-mail Publication that Feature News, Information and Events Related to Plants & Pollution.

The Focus of ENVIS has been on Providing Environmental Information to Decision Makers, Policy Planners, Scientists and Engineers, Research Workers, etc. all over the World.

Wastewater treatment plants – a surprising source of microplastic pollution

Date: August 22, 2018 **Source:** UN Environment

Air pollution causes 'huge' reduction in intelligence, study reveals

Air pollution causes a "huge" reduction in intelligence, according to new research, indicating that the damage to society of toxic air is far deeper than the well-known impacts on physical health. The research was conducted in China but is relevant across the world, with 95% of the global population breathing unsafe air. It found that high pollution levels led to significant drops in test scores in language and arithmetic, with the average impact equivalent to having lost a year of the person's education. "Polluted air can cause everyone to reduce their level of education by one year, which is huge," said Xi Chen at Yale School of Public Health in the US, a member of the research team. "But we know the effect is worse for the elderly, especially those over 64, and for men, and for those with low education. If we calculate [the loss] for those, it may be a few years of education.".......Read more...

Date: August 27, 2018 **Source:** The Guardian

China is hot spot of ground-level ozone pollution

"We find that in the most populous urban regions of eastern and central China, there are more than 60 days in a calendar year with surface ozone levels exceeding the Chinese national ozone air quality standard," said Lin Zhang of Peking University, lead author of the study in the current issue of Environmental Science & Technology Letters. "China has become a hot spot of present-day surface ozone pollution," said Owen Cooper, a co-author on the research paper and a CIRES scientist working in NOAA's Chemical Sciences Division. "Human and vegetation exposure in China is greater than in other developed regions of the world with comprehensive ozone monitoring." Many countries regulate ozone because of the damage the pollutant does to plants and people.......Read more...

Date:August 29, 2018Source:Science Daily

Most land-based ecosystems worldwide risk 'major transformation' due to climate change

The researchers used fossil records of global vegetation change that occurred during a period of postglacial warming to project the magnitude of ecosystem transformations likely in the future under various greenhouse gas emissions scenarios. They found that under a "business as usual" emissions scenario, in which little is done to rein in heat-trapping greenhouse-gas emissions, vegetation changes across the planet's wild landscapes will likely be more far-reaching and disruptive than earlier studies suggested. The changes would threaten global biodiversity and derail vital services that nature provides to humanity, such as water security, carbon storage and recreation, according to study co-author Jonathan Overpeck, dean of the School for Environment and Sustainability at the University of Michigan.Read more...

Date:August 30, 2018Source:Science Daily

Adapt, move or die: How biodiversity reacted to past climate change

Eco-Auditing Group is Involved in R & D on Eco-Monitoring, Environmental Impact Assessment, Eco-Friendly Models that are Technologically and Economically Feasible for Phytoremedia--tion of Polluted Lands and Polluted Waters etc.

Date: August 30, 2018 Source: Science Daily

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