



The Environmental 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.

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

News

Man-made Pollutants Significantly Influence how Tree Emissions Form Aerosol Particles

Combining laboratory studies and ambient measurements from multiple sites in and around Atlanta, Georgia, and rural Alabama, scientists found that sulfur dioxide and nitrogen oxides directly and substantially mediate the formation of aerosols from the volatile organic compounds produced by trees. "This finding is good news for pollution control. If we are able to further reduce sulfur dioxide and nitrogen oxide emissions, we will not only decrease sulfate aerosols but also organic aerosols, thus lowering the total aerosol burden in the southeast United States," said Nga Lee (Sally) Ng, co-author of the study and assistant professor in Georgia Tech's School of Chemical and Biomolecular Engineering and School of Earth and Atmospheric Sciences. Other Georgia Tech co-authors include professors Rodney Weber and Athanasios Nenes, Georgia Power Scholar and Cullen Peck Faculty Fellow. [Readmore...](#)

Date: 05 January, 2015

Source: <http://www.labmanager.com>

This Southern City Is Looking to Trees as a Way to Beat the Heat

You probably don't know this, but Louisville, Ky., is an island. Yes, you read that correctly. Granted, Louisville is not a real island, but it's an urban heat island — a phenomenon where a city's center is much hotter than its surrounding areas. Due to the abundance of darkly paved areas, the heat is stored and released throughout the day and night, which prevents the area from cooling down after sunset. While this doesn't cause pollution, it does heighten the effects. "Cities essentially create their own climates," urban heat expert Brian Stone Jr. explains to Politico. "And the urban heat island effect is one way to measure that. There's a heat island effect, really, in every large city." With an urban core that's 20 degrees warmer than the surrounding area, Louisville ranks as the number one heat island in the nation — resulting in higher electric bills for residents, more coal burned, disruptions in the city's ecosystem because of hotter storm water and even death by heat. [Readmore...](#)

Date: 09 January, 2015

Source: <http://nationswell.com>

Planting trees can address erosion of valuable topsoil

On average 2.2m tonnes of topsoil are eroded annually in the UK, which costs an estimated £200million a year to the industry as a result of having to repeat practices. The Woodland Trust and Soil Association highlighted how trees can be a part of the solution to water and wind erosion at this week's Oxford Farming Conference fringe event. Farmers were informed how long-term soil management plans — which incorporate tree planting — can improve the viability and productivity of their farming systems. Soil scientist Prof Mark Kibblewhite said: "Organic matter in the UK's soils is declining, while compaction and erosion are widespread. A shelter belt or hedge can improve water infiltration rates of compacted soil by 60 times within three years of being planted. Hedges help to control soil erosion by water and by wind and are important infrastructure for soil management." [Read more..](#)

Date: 09 January, 2015

Source: <http://www.farmersguardian.com>

Letter: Mitten Tree success due to a 'warm community'

First of all, I am going to take advantage of this platform to applaud the people of this community for their stratospheric level of giving to all the various non-profit organizations and charities in our area! I am astounded and enormously proud of the unbelievable generosity of the collective efforts of so many in helping others. Way to go! With that, the Damien Society's Mitten Tree Project was once again hugely successful due to the benevolence of the wonderful people of this area. This has been one of this community's holiday traditions for 46 years. Each year we've increased the number of articles collected. This year we came close to 900 mittens, hats and scarves. That means nearly 900 men, women and children were helped in staying warm against the winter elements. Sixteen banks, businesses and organizations enthusiastically hosted trees, therefore reaching amazing numbers. [Read more...](#)

Date: 10 January, 2015

Source: <http://www.dl-online.com>

Enforce regulations on tree cutting - EPA

The Minister of Environment, Science, Technology and Innovation, Mr Akwasi Opong-Fosu, has, as a matter of urgency, directed the Environmental Protection Agency (EPA) to enforce regulations that require individuals and institutions to obtain permits before they can cut trees in their communities. He said the directive was to curtail the indiscriminate cutting of trees in such areas, particularly in Accra, for various development projects. "Under the country's environmental law, it is an offence to undertake any activity that is likely to impact significantly on the environment without obtaining the necessary environmental permit," he said. Mr Opong-Fosu gave the directive in Accra last Wednesday at a news conference on measures that the ministry, in collaboration with its stakeholders, was taking to ensure adherence to environmental laws. [Read more...](#)

Date: 10 January, 2015

Source: <http://www.ghanaweb.com>

Diseased trees to be burned in Hearst San Simeon State Park

Years of drought and pitch canker fungal disease have taken a toll on forested areas of Hearst San Simeon State Park, so officials plan to burn diseased, dead and fallen Monterey pine trees and woody materials when conditions permit from Jan. 15 through Feb. 6. Some public trails near the burn areas may be closed when the work is in progress. People in Cambria or San Simeon, or those traveling near the coast, may see smoke from 10 a.m. to 6 p.m. during the prescribed burn. Officials urge residents who smell smoke to limit outdoor activities — especially strenuous ones — and remain indoors. Precautions are especially important for children, the elderly and people with respiratory and heart conditions. Smoke-sensitive people should consider relocating activities and closing doors and windows on the day of the burn. [Read more...](#)

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Source: <http://www.sanluisobispo.com>

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