



# The Raven

*flying towards a greener Earth*

A fortnightly newsletter by **EnviSAGE**



*"The old Lakota was wise. He knew that man's heart, away from nature, becomes hard; he knew that lack of respect for growing, living things soon led to lack of respect for humans too."*

*– Luther Standing Bear*

## **Editorial: Kyoto- A shout or a ray of hope**



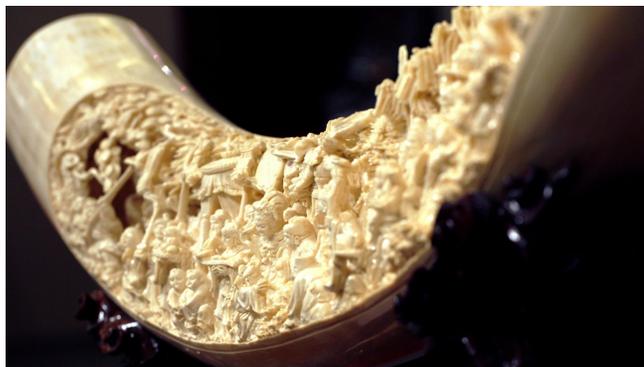
16 years ago, Russia saved a deal, a deal which looked quite promising that time. The deal, the Kyoto Protocol was signed in 1997 and needed ratification by countries which accounted for 55% of world's greenhouse gas emissions. With USA and Australia stepping down, Russian Duma ratified the protocol and saved it from collapsing

KP was formulated to cut down greenhouse gas emissions by an average of 5%. It targeted the industrialized and developed countries with the principle of 'common but differentiated responsibilities.'

But was it effective? Did it prove to be as promising as it sounded. Some countries achieved the target by an over of 20-25% while some increased their emissions by 25%.

Because of its fluctuating results, even after 16 years and 2 phases, the question remains the same.

## **The biggest ever seizure of ivory, 45 kilograms of ivory seized in Odisha**



Angarpada Village near Udala forest range. The agents were successful in the mission and arrested two people, namely, Hansda and Ramachandra Hansda for the illegal possession of ivories. The ivory was found in huge quantity of 45 kilograms. The operation was conducted to investigate the elephant poaching case that took place earlier this month in Udala and Kaptipada areas. The seized ivories will be sent to the Wildlife Institute of India at Dehradun for chemical examination.

## Drones to monitor the health of Odisha elephants after 6 died of disease



With six elephants of Karlapat wildlife sanctuary in Kalahandi area capitulating to the bacterial infection haemorrhagic septicaemia or Pasteurellosis in a range of about fourteen days, the highest in any forest in India. The state forest department has begun using drone cameras in the reach to follow the movement of and the health of the jumbos, said authorities and wildlife experts. The forest department staff are trying to keep the rest of the elephants away from the ones which have been hit by the bacterial disease

## Big Bird Day Tally



Recent analysis has shown the total no of bird species during the big bird day count conducted in the month of February assessing the conditions were much warmer this year for the species the number fell from 253 to 244 species after the outbreak of the pandemic, with urbanization on the go biodiversity parks might face issues, warning signs for the upcoming of future.

## Plastic Polluting Air



According to researchers, Delhi's thick smog is a result of tiny Chloride particle that cause formation of water droplets. And large amount of Chloride is generated from burning household waste that contain plastic. Apart from chloride, massive amount of dioxins and toxic pollutant generate from plastic burning that also persist in food chain.

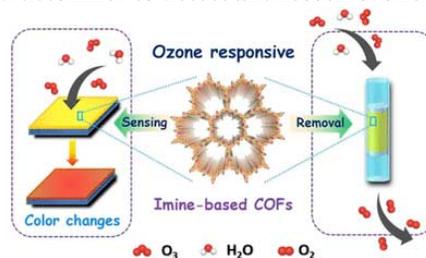
## Pilot scheme to turn leftover oranges into electricity



Aiming to kill two birds with one stone, the Spanish city of Seville is planning to convert some of its excessive produce of oranges into electricity. In its initial run, it is planning to use 35 tonne of oranges to generate electricity to run the city's water purification plant. The 15000 tonne produce of city's orange holds a huge potential as trials show 1000 kg can be used to power five homes for one day.

## What's new?

### New technique in which Crystalline polymers work as sensor and detoxifier to detect and lessen ozone



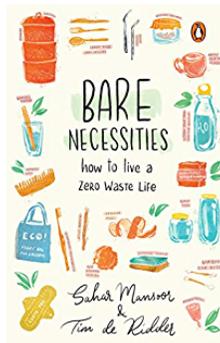
Ozone causes health issues. Methods use previously had certain disadvantages high power consumptions, malfunction due to humid air. Techniques so far used were based on chemical absorption, activated charcoal and catalytic disintegration but now a newly developed material quickly senses the presence of ozone and also removes it. The new technique uses Covalent Organic Frameworks (COFs). It can also be easily produced. The reports are by Chinese researchers in Angewandte Chemie that it made a sensor and detoxifier in one that works in humid weather as well.

## Traditional method of biodiversity conservation



In India, nature worship dates back to the pre-Vedic times and is based on the proposition that elements of nature are deities and thus harming these elements would be equivalent to disrespecting the deities. These religious practices are till date believed in and are followed. One such example is of the communities living in sacred groves. Sacred groves refer to forest patches that are of special religious importance to a particular culture. Some rural communities, even today, protect sacred groves as they consider them to be abodes of deities. These communities draw their livelihoods from the natural resources that occur in these sacred groves and value nature for the ecological services it provides. Sacred groves are an example of in situ conservation of biodiversity and are epicentres of ecological conservation. Besides protecting flora and fauna, they also play a great role in maintaining the microclimate of a region, conserving water and preventing soil erosion. Considering the vast ecological benefits that are ensured by them, it becomes essential to ensure their survival, which over the years has been declining. Therefore, progressive laws have been enacted under the 73rd amendment to the Indian Constitution in order to confer substantial rights to communities protecting sacred groves. The common examples of sacred groves are Ficus Religiosa (Peepal) tree and Ficus benghalensis (Banyan) tree which are religiously important due to the high amounts of oxygen they produce and help in maintaining atmospheric balance. Moreover, the famous Chipkoo movement of 1970s is also an example of protection of sacred groves by a religious community namely the "Bishnoi" community.

### **Bare Necessities: Book shows how to lead sustainable lifestyle in India.**



A new book intends to push individuals to roll out a positive improvement in their life and to the climate in a fun and intelligent manner. A "one-stop guide" on the most proficient method to move towards a more sustainable lifestyle in India, "bare necessities: How to Live a Zero Waste Life", published by Penguin, is composed by environmentalist Sahar Mansoor and supportability specialist Tim De Ridder. Loaded with activities, insights and topic specific ideas, the book through its nine sections and more than "80 tips and tricks" help readers move towards a "zero-waste lifestyle". It additionally has more than two dozen plans and proposals of assets that one can use to reduce in their life.

### **Watch, Environment & Chill... Wall-E**



Wall-E, Oscar winning sci-fi animated movie, will take you on an emotional roller coaster of a cleaning Robot. The story is set in the future where humans have abandoned the earth and Wall-E is left out alone on the earth. The movie will give you a deep message about the earth as well teach you the life lessons of love.

[Wall-E is available on Disney Hotstar.](#)

### **Delhi Safari**



Delhi Safari is a Bollywood masterpiece. The movie is full of happy moments as well as Bollywood songs with deep meanings. The plot of the story revolves around group of animals who march to parliament of India to give the citizens of India to not to interfere in wildlife. The movie has a great voice acting cast.

[Delhi Safari is available on YouTube.](#)



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