

Sunday, Oct 01, 2023

EPAPER TODAY'S PAPER

[News](#) / [Cities](#) / [Bangalore](#) / Wetlands in Karnataka provide benefits worth Rs 284 billion annually: IISc expert

Wetlands in Karnataka provide benefits worth Rs 284 billion annually: IISc expert

If a lake has to be protected, its catchment area should be in a good shape, said Dr T V Ramachandra, faculty at the Centre for Ecological Sciences, Indian Institute of Science (IISc).

By: [Express News Service](#)

Bengaluru | Updated: December 29, 2022 08:35 IST



Dr T V Ramachandra was speaking at the 13th International Biennial Lake Symposium organised by Energy and Wetlands Group, IISc. (Express Photo)

Listen to this article

00:00 1x 1.5x 1.8x

Dr T V Ramachandra, faculty at the Centre for Ecological Sciences, Indian Institute of Science (IISc), Wednesday said that the total wetland area in Karnataka stands at 2,81,299.5 hectare and the benefits which it provides to the people has an economic value of Rs 284.52 billion.

Speaking at the 13th International Biennial Lake Symposium organised by Energy and Wetlands Group, IISc, he explained, “The services of wetlands can be divided into three categories. First — provisioning services which include fishing, fodder etc which sustains the local livelihood. Second — regulating services in which groundwater recharge and bioremediation takes place and third — cultural services which include recreation.”

He further said, “Wetlands support the livelihood of people by provisioning water throughout the year. This is evident from the valuation of goods such as fish, food, water and services including carbon capture, cultural and moderating local climate.

LIVE BLOG

Asian Games 2023 Live Updates, Day 8: India get gold in trap shooting, Aditi Ashok wins silver medal in golf, Indian badminton team to take on China
6 mins ago

Assembly Elections 2023 Live: PM Modi set to address rally in Telangana, unveil Rs 13,500 crore worth of projects
2 hours ago

Mumbai News Live Updates: Konkan-bound passengers protest against delay, diversion of routes after Panvel train derailment
2 hours ago

Delhi News Live Updates: Centre's GRAP plan to check air pollution in national capital kicks in today
4 hours ago

Best of Express



Afsa withdrawn from 4 Assam districts and extended in 4 others

The economic value of the goods and services which we get from the wetlands is measured by people's willingness to pay (WTP) for these services. So, the lakes/wetlands in Karnataka are giving goods and services worth Rs 284.52 billion per year."

He said that if a lake has to be protected, its catchment area should be in a good shape. Catchment of a lake is a region which drains the water towards the lake.

Ramachandra further said, "Before the construction of the Linganamakki dam in 1965 on the Sharavathi river, the region used to receive 3,000 mm to 4,500 mm of rainfall per year and after the construction of the dam, the region received 700 mm to 1,900 mm of rainfall. We need to urge the government to protect the integrity of the catchment area."

MOST READ

- 1 Priyamani says 'half the scenes in The Family Man were improvised' by Manoj Bajpayee, but Shah Rukh Khan sticks to the script
- 2 'Nitish was in touch with me... We were planning a Janata Federal Front. I even said I would endorse him as PM': Deve Gowda

[See More](#)

SPECIAL OFFER

ONE YEAR E-PAPER SUBSCRIPTION AT

₹999 ONLY **BUY NOW**

The Indian EXPRESS

*Conditions Apply

He added, "The catchment should have vegetation so that it sustains the water for the livelihood of the people. When we studied this region, we did a mapping of the animals as well. We found that scarcity of water also impacts the availability of animals. We also found that wherever there is scarcity of water, only two-legged species of animals are found and where water is abundantly available, sloth bears and tigers were also found."

Ramachandra also said that the recurring issue of floods in Bengaluru is due to the loss of interconnectivity between the lakes. He said, "The government talks about the interconnectivity of rivers. How could they maintain the interconnectivity of rivers when they could not maintain the interconnectivity of the lakes. The buffer zones of the lakes have been encroached. We have lost 75 per cent of the lakes in the last few decades."

ALSO READ



Karnataka to probe 'irregularities' in appointment of



Bengaluru News Highlights: Karnataka to file



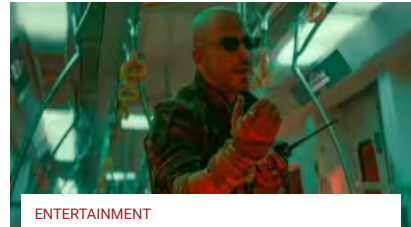
Bengaluru News Live Updates: Review petition



Bengaluru police to use vehicle count from tech parks to decongest Outer ...

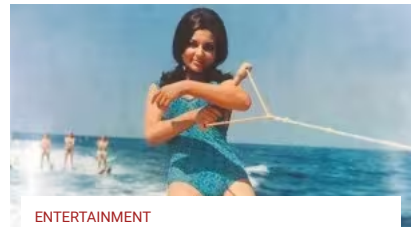


ATF prices hiked by 5%, may push up airfares in festive season



ENTERTAINMENT

Jawan box office collection Day 24: Shah Rukh Khan starrer inches closer to another milestone, to enter Rs 600 crore club on Sunday



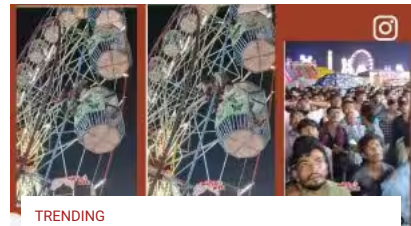
ENTERTAINMENT

Sharmila Tagore asked driver to remove her bikini posters when mother-in-law visited, admits husband Tiger Pataudi was the 'only supportive voice'



TRENDING

Watch: This video shows how cardboard is made using recycled products



TRENDING

Girl's hair gets stuck during Ferris wheel ride in Gujarat. Watch



SPORTS

Asian Games 2023 Day 8 LIVE

billionaire review petition filed before

He added, "If a lake gets polluted, then the livelihoods of those who are dependent on it, such as the fishermen, get affected. Lakes play an important role in groundwater recharge. In the Nagashettyhalli area, when the lake, Nagashettyhalli kere, existed, the groundwater was available at 60-100 feet and today the groundwater has gone down to 1,900 feet because the lake disappeared a few years ago. In the name of remodelling the drains, they are being narrowed and concretised which also results in flooding and reduces groundwater recharge," he said.

First published on: 28-12-2022 at 18:25 IST

TAGS: IISc Karnataka Wetlands

Join our WhatsApp Channel Get the latest updates and exclusive news on WhatsApp

[JOIN WHATSAPP GROUP >](#)



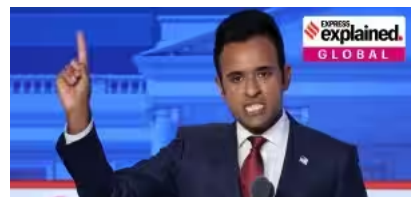
SPORTS

ICC World Cup: Baroda, Hardik Pandya's maximum city



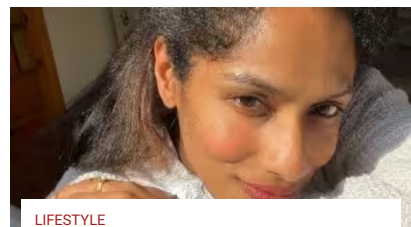
OPINION

The battle lines are drawn



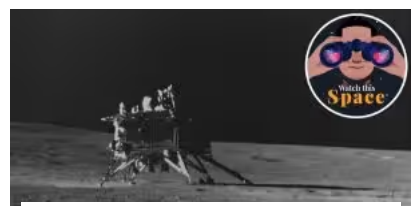
EXPLAINED

Why Vivek Ramaswamy wants to end birthright citizenship in the US



LIFESTYLE

From wake up routine to dinner recommendations, Masaba Gupta bares it all: 'Tried Keto once, nearly fainted'



TECHNOLOGY

Watch this space: Chinese scientists questions India's Chandrayaan-3

Must Read

SPORTS

Asian Games 2023 Day 8 LIVE



SPORTS

ICC World Cup: Baroda, Hardik Pandya's maximum city



SPORTS

What will happen in China if they lose to India

