

WORLD MANGROVE DAY

July 2023 Edition

FEATURE ARTICLE

**The Mangroves of Aghanashini Estuary
Sundari jungle**

JUNGLE GRAPHIC

Sundarbans National Park, West Bengal

FOREST FACTS

**Mangrove Man of India – A Kannur resident
MISHTI Infographic**

VIDEO

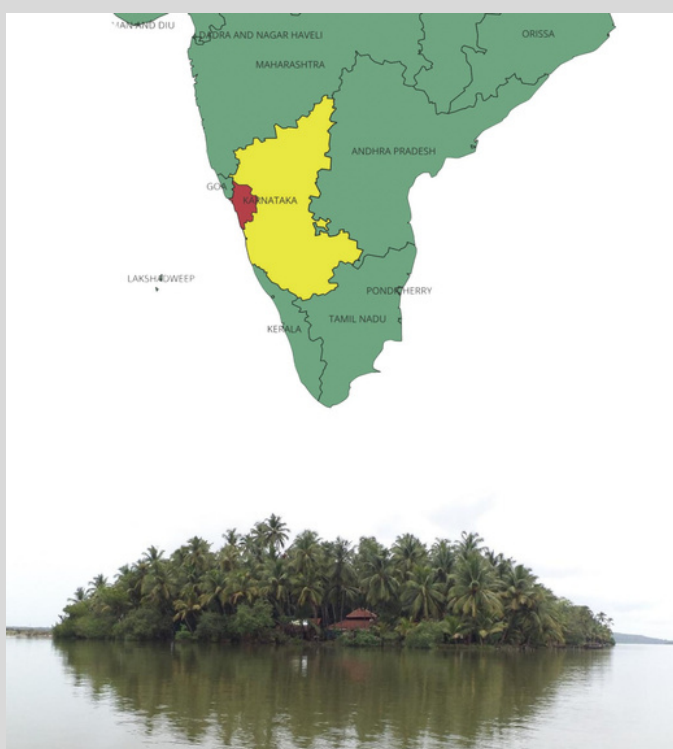
**Message on World Mangrove Day –
SV Ramarao, APCCF, Mangrove Cell**



FORESTS of LIFE

July Newsletter

The **International Day for the Conservation of the Mangrove Ecosystem** is celebrated every year on 26 July, and aims to raise awareness of the importance of mangrove ecosystems as “a unique, special and vulnerable ecosystem” and to promote solutions for their sustainable management, conservation and uses.



The Mangrove of Mangroves Aghanashini Estuary

Aghanashini meaning the “Remover of Sins” is one of the very few free-flowing rivers of the world. Flowing westward over 140 km distance and receiving rainfall up to 8000 mm at some places, most of the course is through forested gorges and valleys. Having no dams or noticeable industries nor major townships along its banks, the Aghanashini remains pristine through its course. The river joins the sea in the Aghanashini village of Kumta taluk. The estuary of the river is a flat expanse of water dotted with...

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Sundari Jungle

Sundari is how the people in India and Bangladesh call a tree that the academicians refer to as *Heritiera fomes*, a species of mangrove tree that dominates the sprawling 10,000 km² forests of Sundarbans.

The *H. fomes* (Sundari), like other mangrove trees, are found in the deltaic confluence of river with the ocean. Thus, the mangrove marshlands experience regular onslaught of salt water brought by the tides. Furthermore, the swampy soil, oxygen deprived and hyper-saturated with water, is...

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Sundarbans National Park, West Bengal

 **Gosaba, West Bengal**
An area of over 2,585 square kilometres



About The Park

- Name originated from **Sundari trees** (*Heritiera fomes*)
- Announced as UNESCO World Heritage Site in **1987** due to its unique ecosystem and biodiversity.

MAJOR ANIMAL SPECIES

The park provides habitat to many predators like

- Royal Bengal Tigers
- Leopards
- Jungle cats
- Fishing cats
- Saltwater crocodiles, etc



MAJOR BIRD SPECIES

The park is home to over 260 species of birds, including

- Brown fish owl
- Black-capped kingfisher
- White-bellied sea eagle, etc



BEST TIME TO VISIT

The months of October and March are considered as the best time to visit the Sundarbans as the weather is more pleasant than any other time of the year.

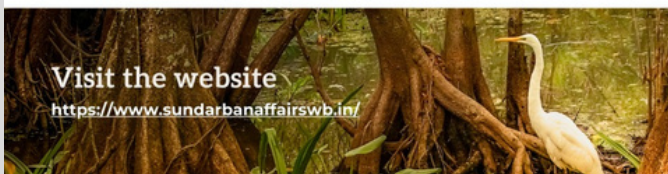


NEAREST AIRPORT

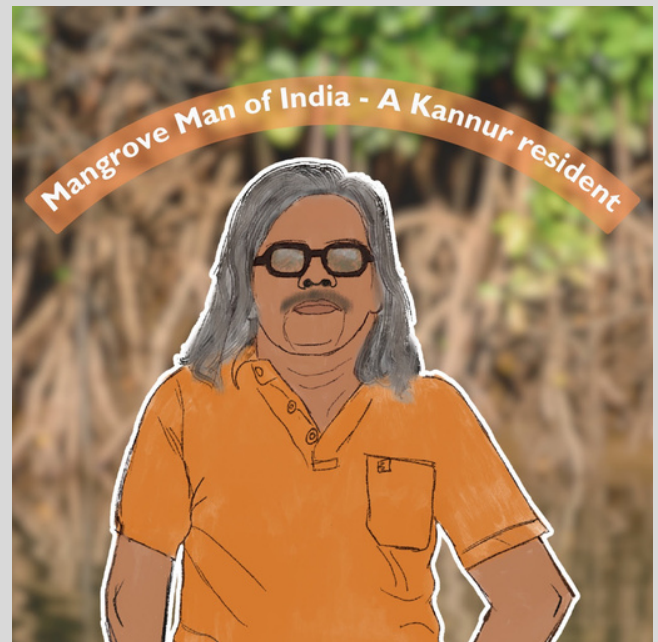
Netaji Subhash International Airport at Dum Dum, Kolkata is nearly 112 kilometres away from the Sundarbans.

Visit the website

<https://www.sundarbanaffairswb.in/>



[View here >>](#)



Mangrove Man of India – A Kannur resident

Once abundant, Kerala's mangrove cover, which was spread over more than 700 sq kms has now reduced to 9 sq km, mostly concentrated in the northern district of Kannur. The Valapattanam basin in Kannur is one of the most mangrove rich basins in the region but...

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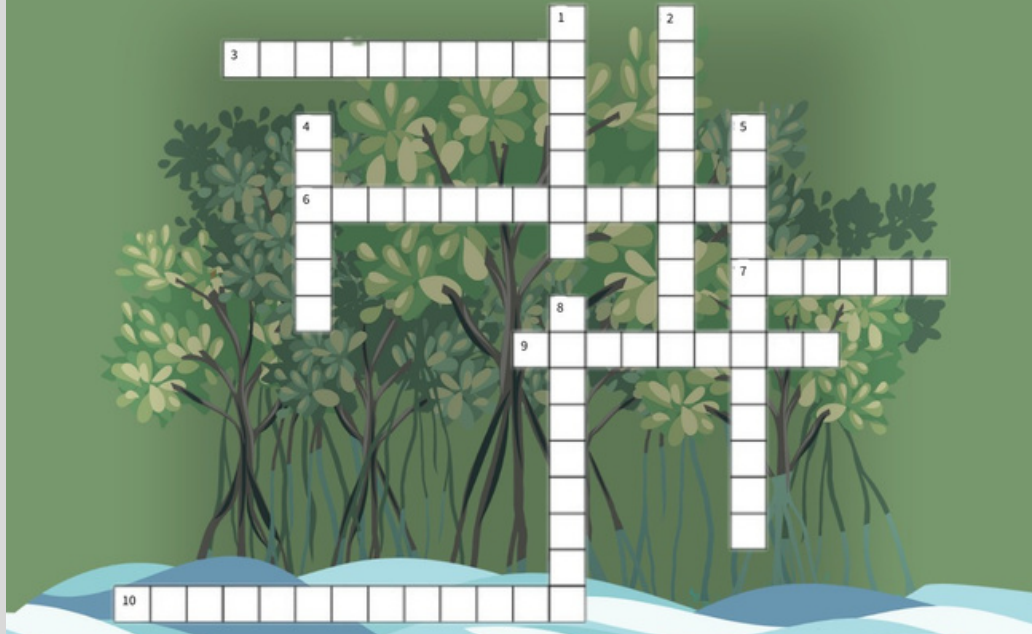
Jungle Activity

We invite you to showcase your artistic talent about 'Mangroves'
(Suggested themes – Significance, Beauty, Biodiversity richness, Livelihood, Issues and threats related to Mangroves)

Thank you for the overwhelming response. We will be showcasing a selected set of five images from each institution every edition. Your understanding and cooperation are greatly appreciated.

[Submit here >>](#)

Mangrove Crossword



Across

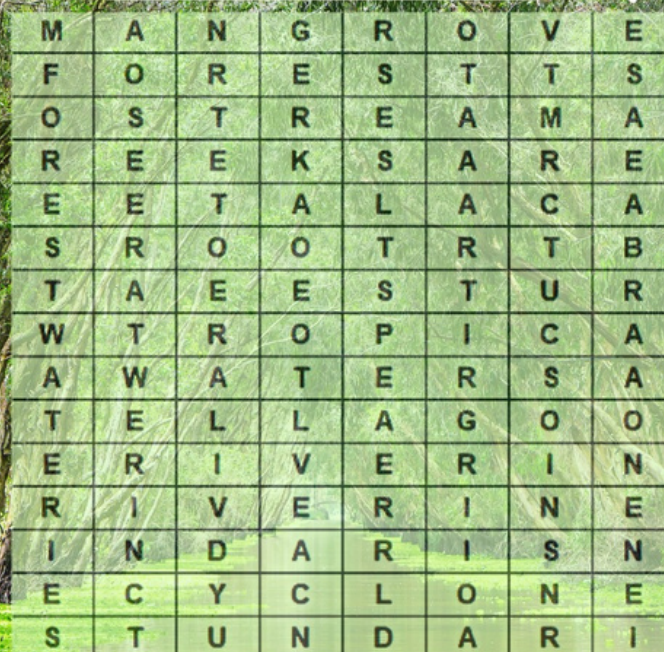
3. The largest Mangrove forest in the world is located in India and Bangladesh
6. Carbon _____ is the process of capturing and storing atmospheric carbon dioxide
7. How many different species of Mangroves are found in Aghanashini estuary
9. A type of forest ecosystem found along the coastline and that prevents flooding
10. The root system of Mangroves that helps them breathe in waterlogged soil

Down

1. Area where a freshwater river meets the sea, surrounded by Mangroves
2. An amphibious fish found in Mangrove ecosystems and mudflats
4. A government of India initiative launched on World Environment Day to promote the development of Mangroves
5. The _____ of Mangroves is crucial to protect the coastal regions from natural calamities such as Tsunami and cyclones
8. Term for a plant that can thrive in highly saline environment

[View Answers >>](#)

Mangrove Word Search



- | | | | |
|------------|-------------|-------------|--------------|
| > MANGROVE | > SALTWATER | > ESTUARIES | > FRESHWATER |
| > ROOTS | > HABITAT | > CREEKS | > SUNDARI |
| > TROPICAL | > LAGOONS | > RIVERINE | > CYCLONE |

MISHTI

**Mangrove Initiative for Shoreline
Habitats and Tangible Incomes**

A Government of India initiative towards mangrove conservation for a green future and a green economy.

Aims to restore mangrove cover across 11 States and 2 Union Territories over the next 5 years.

Mitigating the impact of climate change on vulnerable communities.

Sharing best practices on plantation techniques, management practices, and conservation measures.

Mobilising resources through public-private partnerships.

Promoting sustainable development and livelihoods in coastal areas.

Coastal Bioshield Initiative in Bharuch district of Gujarat

What is Bioshield?

Plantation of mangrove and non-mangrove species, with mangroves on the seaside backed by salt-resistant trees in the middle, then fodder plants and in the end aromatic herbs and fruit trees towards the village side, together forming a natural wall between the sea and arable land.

Benefits

Carbon sequestration, improvement of aquaculture and agriculture in coastal villages and fodder availability, controls soil erosion and damages caused due to cyclone.

Where?

To be implemented in areas where large-scale mangrove degradation has happened

Did you know?

Idea for MISHTI came from a women's self-help group in West Bengal that utilised NREGA funds for mangrove restoration

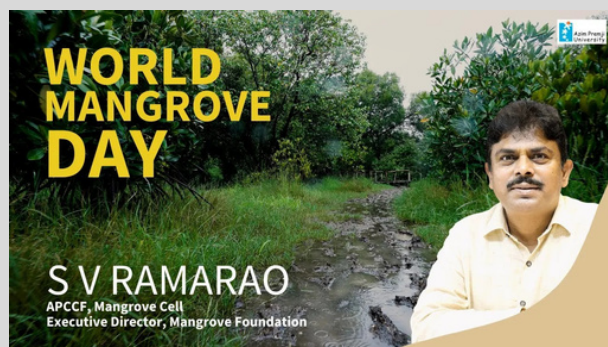
**Ministry of
Environment, Forest
and Climate Change
(MoEFCC)**

Funding

80% funded by Government of India and 20% by State Governments

References

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<https://currentaffairs.adda247.com/pm-modi-launches-two-schemes-for-wetland-and-mangrove-conservation-on-world-environment-day/>



Video: Message on World Mangrove Day - SV Ramarao, APCCF, Mangrove Cell

On the occasion of World Mangrove Day, **SV Ramarao**, Additional Principal Chief Conservator of Forests, Mangrove Cell and Executive Director, Mangrove Foundation, shares his message for the protection and preservation of mangrove ecosystem.

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Showcasing the Jungle Activity artworks submitted by the students across the country

Anjana Vidya Kendra High School, Tattatur



Nuthan(9th)



Janakiram (9th)



Guddi Kumari (Sharadhha)(7th)



Dani Daniels (UG)

St.Philomena's English School, Sarjapura



Keerthana H (10th)



Debasis Pradhan (9th)

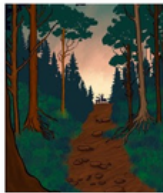


Lipika Sahu (6th)



Shruthi S K (10th)

Azim Premji University



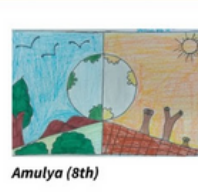
Haniya (UG)



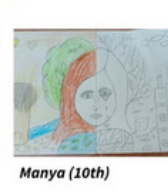
Amrya Arya (2nd)



Aishwarya(10th)



Amulya (8th)



Manya (10th)

Lucknow Public School

Lakshmi Devi Ramana High School, Bangalore

Apna Skool, Jagriti Bal Vikas Samiti, Kanpur



Halida Khatun (11th)



Karishama (3rd)



Saleha (10th)



Malti(12th)



Mausam Kumari (3rd)



Anju Kumari (3rd)



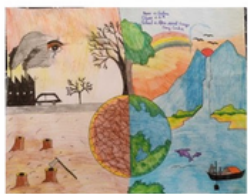
Ashok(11th)



Chinta Kumari (3rd)



Ranjani (12th)



Salma Khatun (5th)



Kundan Kumar(3rd)



Romela (10th)



Sandeep Kumar (2nd)

Nazareth School Manjeri, Kerala



Akshitha Nair (10th)



Rida Mariam Farhad(10th)



Naishi (10th))



G.Vibishnavi (6th)

Nehru Matriculation School, TamilNadu

Maruthi Vidya Kendra, Tumakuru



Akash T (10th)



Harshitha T (10th)



Shashank S (10th)



Khushi Sharma (10th)



Athreyee P(8th)



Kanishka V (10th)



Prerana (8th)



Uday Kumar (10th)



Bhumika (7th)



Keerthana S (8th)



Preksha B (8th)



Varsha (10th)



Desiri B (6th)



Thanuja T (8th)



Sneha (10th)



Yashitha T N (9th)



Gangandeep S (8th)



Mayuri P (9th)



Uday Kumar (10th)



Yuktha P(6th)

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For any queries, please write to forestsoflife@apu.edu.in and click below to get regular updates about the festival!

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