



Sanskriti IAS



DAILY
CURRENT AFFAIRS

Important Current News for UPSC & UPPSC

11th Jan 2026

TOPICS:-

- 1. Aralam Butterfly Sanctuary**
- 2. Aditya-L1 & Solar Storm Impact**
- 3. Aerosols**
- 4. Vehicle-to-Vehicle (V2V) Communication Technology**
- 5. Narco-Coordination Centre (NCORD)**
- 6. Barak River**
- 7. Directorate General of Mines Safety (DGMS)**
- 8. APEDA (Agricultural and Processed Food Products Export Development Authority)**
- 9. Other Important News of the day**
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ARALAM BUTTERFLY SANCTUARY

TH The Hindu

Aralam declared as Kerala's first butterfly sanctuary

The Kerala government has officially renamed the Aralam Wildlife Sanctuary the Aralam Butterfly Sanctuary, making it the first butterfly...



Why in News

- Kerala Government renamed Aralam Wildlife Sanctuary as Aralam Butterfly Sanctuary, making it India's first.

Location

- Located in Kannur district, Kerala, within the ecologically sensitive Western Ghats.
- Shares forest continuity with Brahmagiri Wildlife Sanctuary (Karnataka) and Kottiyoor forests.



Vegetation

- Dominated by evergreen and semi-evergreen forests, supporting rich insect and mammal diversity.

Key Facts

- Recognised for mass butterfly migration and mud-puddling behaviour.
- Declared to promote pollinator conservation and eco-tourism awareness.

Rivers

- Cheenkanni River, originating from Brahmagiri ranges, provides moisture-rich microhabitats.

Biodiversity

- Hosts 266 butterfly species, over 80% of Kerala's butterfly diversity.
- Also, habitat of Schedule-I Slender Loris, elephants, leopards, giant squirrels.

ADITYA-L1 & SOLAR STORM IMPACT



The Hindu

<https://www.thehindu.com> > Sci-Tech > Science

ISRO's Aditya-L1 decodes how solar storms impact Earth's ...

2 days ago — ISRO's Aditya-L1 reveals how solar storms affect Earth's magnetic field, enhancing understanding of space weather impacts.

Why in News

- ISRO's Aditya-L1 mission decoded the impact of a powerful solar storm on Earth's magnetic shield.

Key Scientific Findings

- Aditya-L1 decoded how a powerful solar storm impacts Earth's magnetic field (magnetosphere).
- The most severe effects occurred during the turbulent region of the solar storm.
- The storm was caused by a massive eruption of solar plasma from the Sun.
- Turbulent solar plasma strongly compressed Earth's magnetic field, pushing it unusually close to Earth.

What is Space Weather?

- Refers to conditions in space caused by solar activity, such as:
 - Solar flares
 - Coronal Mass Ejections (CMEs)
 - Solar plasma eruptions
- Can affect:
 - Satellites
 - Communication & navigation systems (GPS)
 - Power grid infrastructure on Earth

Auroral & Atmospheric Effects

- Auroral region currents (high latitudes) became super-intensified
- Consequences:
 - Heating of the upper atmosphere
 - Enhanced atmospheric escape (loss of atmospheric particles into space).

About Aditya-L1

- Aditya-L1 is India's first space-based solar observatory, launched by ISRO in 2023 using PSLV-C57.
- It is placed in a halo orbit around the Sun–Earth Lagrange Point-1 (L1) (~1.5 million km from Earth).
- Objective: Continuous observation of the Sun and study of space weather phenomena.

AEROSOLS

 The Hindu
<https://www.thehindu.com> › Sci-Tech › Science

Aerosols aloft lift, thicken winter fog over North India: IIT-M ...

3 days ago — IIT-Madras study reveals how pollution thickens winter fog in the Indo-Gangetic Plain, influencing visibility and weather patterns.

Why in News

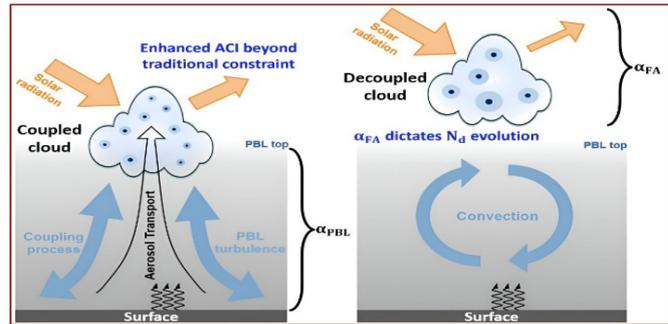
- Recent study found water vapour contributes more atmospheric warming than aerosols.

About

- Aerosols are microscopic solid or liquid particles suspended in air for short durations.

Sources

- Human-made: fossil fuel burning, biomass combustion, industrial emissions.
- Natural: desert dust, sea salt, volcanic ash, forest fires.
- Climate Impact
 - Reflect sunlight causing cooling (sulphates).
 - Absorb heat causing warming, especially black carbon.
- Health Impact
 - PM2.5 aerosols enter bloodstream via lungs, causing asthma, heart diseases, premature deaths.



VEHICLE-TO-VEHICLE (V2V) COMMUNICATION TECHNOLOGY



NDTV Profit

<https://www.ndtvprofit.com> > Auto

India To Roll Out Vehicle-To-Vehicle Communication Tech ...

3 days ago — This system will permit vehicles to communicate directly with each other without having to use a network. The goal aims to ramp up road safety ... [Read more](#)

Why in News

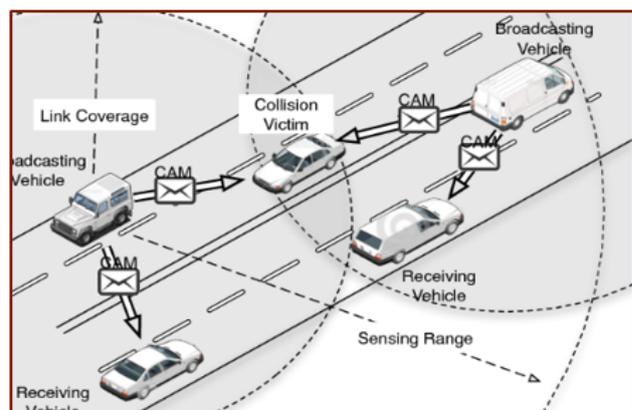
- Government planning nationwide implementation by end-2026.

About

- Enables direct wireless data exchange between vehicles, without internet dependency.

Working

- Vehicles fitted with SIM-like device continuously transmit speed, position, braking data.



Features

- Provides collision warnings, blind-spot alerts, safe-distance notifications.

Significance

- Enhances road safety, especially in fog, rain, night-time, high-speed highways.

NARCO-COORDINATION CENTRE (NCORD)

Why in News

- 9th Apex-Level NCORD meeting chaired by Union Home Minister.



About

- Institutional mechanism under Ministry of Home Affairs, established in 2016.

Objective

- Strengthen coordination against drug trafficking, abuse, narco-terrorism.

Structure

- Four-tier system: Apex, Executive, State, District levels.

Initiatives

- NCORD portal enables intelligence sharing.
- MANAS helpline (1933) allows public to report drug activities.

BARAK RIVER

Why in News

- Participatory Rural Appraisal launched for Barak River watershed rejuvenation.

Location

- Flows through Manipur, Mizoram, Assam, then enters Bangladesh.
- Second-largest river in Northeast India after Brahmaputra.



Origin & Course

- Originates in Manipur Hills (Senapati district).
- Splits into Surma and Kusiya rivers before entering Bangladesh.
- These form Meghna River, draining into Bay of Bengal.

Key Facts

- Total length: ~900 km (524 km in India).
- Basin spreads across India, Bangladesh, Myanmar.
- National Waterway-16 declared between Lakhimpur and Bhanga (Assam).

Tributaries

- Jiri, Jatinga, Dhaleswari, Longai, Katakhal, Sonai, Harang.

DIRECTORATE GENERAL OF MINES SAFETY (DGMS)

Why in News

- DGMS celebrated its 125th Foundation Day.

India CSR

Directorate General Of Mines Safety (DGMS) Celebrates 125th Foundation Day



NEW DELHI (India CSR): As Directorate General of Mines Safety (DGMS) has completed, 125 years of service to the Nation,...

About DGMS

- Regulatory agency under Ministry of Labour & Employment.
- Responsible for safety, health, and welfare in mines.



Headquarters

- Dhanbad, Jharkhand.

Legal Basis

- Administers Mines Act, 1952.
- Subject under Union List Entry 55 (Article 246).

History

- Originated as Bureau of Mines Inspection (1902).
- Renamed DGMS in 1967.

APEDA (AGRICULTURAL AND PROCESSED FOOD PRODUCTS EXPORT DEVELOPMENT AUTHORITY)

Why in News

- APEDA launched initiative to support agri-food and agri-tech startups.
- The initiative, titled BHARATI—Bharat's Hub for Agritech, Resilience, Advancement and Incubation for Export Enablement.

About APEDA

- Statutory body under APEDA Act, 1985.
- Functions under Ministry of Commerce & Industry.
- Headquarters: New Delhi.



Objective

- Develop and promote export of scheduled agricultural products.
- Mandatory registration of exporters.

Key Functions

- Sets standards and specifications.
- Provides financial assistance, training, inspections.
- Secretariat to NAB under National Programme for Organic Production (NPOP).

BHARATI Startup Challenge

- Supports export-ready agri-startups.
- Top startups get exposure at Gulfood (Dubai) and BIOFACH (Germany).

OTHER IMPORTANT NEWS OF THE DAY

<p>Person in News</p>	<p>Mufti Noor Ahmad</p> <ul style="list-style-type: none"> ➤ He has assumed charge as Charge d’Affaires at Afghanistan’s Embassy in India. ➤ Mufti Noor Ahmad is a senior member of the Taliban. ➤ Earlier served as Director General, First Political Department, Afghanistan Foreign Ministry. ➤ He was part of Foreign Minister Amir Khan Muttaqi’s delegation during the India visit in October 2025. 
<p>Science & Technology</p>	<p>BOEING E4B NIGHTWATCH</p> <p>Why in News</p> <ul style="list-style-type: none"> ➤ Rare public movement amid global security tensions. <p>About</p> <ul style="list-style-type: none"> ➤ Known as US “Doomsday Plane” flying command post. <p>Purpose</p> <ul style="list-style-type: none"> ➤ Maintains continuity of US government during nuclear or catastrophic attacks. <p>Features</p> <ul style="list-style-type: none"> ➤ EMP-hardened, nuclear radiation shielded, secure global communications. <p>Operational History</p> <ul style="list-style-type: none"> ➤ Activated only once during 9/11 attacks (2001). 
<p>Defence</p>	<p>EXERCISE SANJHA SHAKTI</p> <p>Why in News</p> <p>About</p> <ul style="list-style-type: none"> ➤ Joint drill integrating armed forces and civilian agencies. <p>Location</p> <ul style="list-style-type: none"> ➤ Conducted at Dighi Range, Khadki Military Station, Maharashtra. <p>Participants</p> <ul style="list-style-type: none"> ➤ Indian Army and 16 civilian agencies, including police and disaster response forces. <p>Objective</p> <ul style="list-style-type: none"> ➤ Improve inter-agency coordination, communication, disaster response efficiency.  

Art & Culture

KATHPUTLI

Why in News

- Nearly **250 families in Jaipur** continue Kathputli amid declining patronage.



Origin

- **One of India's oldest traditional puppetry forms**, rooted in **Rajasthan's folk culture**.

Material

- Puppets made from **wooden torso**, cloth skirts, strings, metal wires.
- **No legs**, movement conveyed through swinging skirts.

Themes

- Narrates **Rajput valor, folklore, social morality, historical legends**.

Performance

- Accompanied by **dholak and harmonium**, rich in satire, humour, dramatic expressions.

Environments

PHAYRE'S LEAF MONKEY

Down To Earth

Ringed Eyes in the Canopy

Ever seen a monkey with glasses? Visit the forests of Northeast India, and you might catch a glimpse. The Phayre's leaf monkey stands out...

Why in News

- Rapid deforestation forcing **change in feeding and movement behaviour**.



About

- Trachypithecus phayrei, an **arboreal, leaf-eating Old World monkey**.

Distribution

- Found in **Northeast India**, Bangladesh, western Myanmar.

Ecological Role

- **Multi-chambered stomach** helps digest leaves.
- Contributes to **seed dispersal and forest health**.

Conservation Status

- **IUCN: Endangered**, threatened by habitat loss and hunting.
- **CITES Appendix II**.

**Other States in
News**

MADHYA PRADESH

- Launched by Madhya Pradesh Government after 20+ deaths in Indore’s Bhagirathpura due to contaminated drinking water.

About

- **Type:** State-wide, technology-driven drinking water safety campaign
- **Coverage:** Urban & Rural Madhya Pradesh
- **Objective:** Zero tolerance to contaminated drinking water and strict accountability

UTTAR PRADESH RELATED NEWS

Uttar Pradesh – Deregulation 1.0 Rankings

Why in News

- Uttar Pradesh ranked first among Indian states in the Deregulation 1.0 report released by the Central Government.

About Deregulation 1.0

- A central government initiative aimed at simplifying regulations and reducing compliance burden.
- Seeks to improve Ease of Doing Business (EoDB) and investor-friendly governance.



Objective

- Remove unnecessary, outdated, or overlapping regulations.
- Streamline approval processes to reduce delays, costs, and procedural complexity.

Reform Areas Covered

- Performance assessed across 23 priority reform areas.
- Includes land administration, building and construction, labour laws, utilities, permits, and approvals.

Uttar Pradesh’s Performance

- First state to fully implement all 23 priority reforms.
- Key measures include digitisation of land records, flexible zoning norms, simplified licensing systems, and eased compliance.

Significance

- Enhances investor confidence and industrial competitiveness.
- Strengthens Uttar Pradesh’s position as a preferred investment destination in India.
- Aligns with broader goals of economic growth, job creation, and industrial expansion.