

9th October 2024

Dipa Karmakar Announces Retirement

- ❖ Indian gymnast Dipa Karmakar has announced her official retirement from professional competition. After giving 25 years to the sport, Dipa, a prominent and celebrated figure in the world of gymnastics, decided to take a step back due to the physical demands of the sport on her body.



Key Point

- ❖ Dipa has achieved several career milestones in her exceptional career.
- ❖ In 2014, Karmakar won a bronze medal in the vault category at the Commonwealth Games in Glasgow, becoming the first Indian woman to win in the gymnastic category.
- ❖ She won another bronze medal at the Asian Championships in 2015.
- ❖ She made history as the first Indian female gymnast to qualify for the final vault event, in Rio Olympic 2016, where she secured an impressive fourth place.
- ❖ She won a gold medal at the 2018 Artistic Gymnastics World Cup in Turkey, becoming the first Indian gymnast to secure a gold medal at a global event.

- ❖ She won a gold medal at the Asian Gymnastics Championships in Tashkent. Dipa Karmakar has been honoured with numerous prestigious awards and accolades.
 - These include the Padma Shri, India's fourth-highest civilian award; the Arjuna Award for her outstanding achievements in sports; and the Major Dhyan Chand Khel Ratna Award, the country's highest sports honour.

70th National Film Awards

President Droupadi Murmu conferred the 70th National Film Awards for the year 2022 in New Delhi on 8 October.



Key Point

- ❖ On the occasion, legendary Actor Mithun Chakraborty was honored with the Dadasaheb Phalke Award, the highest recognition in the field of Cinema.
- ❖ Rishab Shetty received the Best Actor award for his stupendous performance in the Kannada film Kantara.

- ❖ The Best Actress award was given to **Nithya Menen** for the Tamil film *Thiruchitrambalam* and **Manasi Parekh** for the Gujarati film *Kutch Express*.
- ❖ The award for Best Book on Cinema conferred to **Kishore Kumar**
- ❖ The Best Feature Film was given to the Malayalam film *Aattam*, while *Ayana* was recognized as the Best Non-Feature Film.
- ❖ In the music category, **Arijit Singh** was given the Best Male Playback Singer award, and **Bombay Jayashri** received the Best Female Playback Singer award.

Nobel Physics Prize

U.S. scientist **John Hopfield** and British-Canadian **Geoffrey Hinton** won the 2024 Nobel Prize in Physics for discoveries and inventions that laid the foundation for machine learning.



Key Point

- ❖ Machine learning based on artificial neural networks is currently revolutionizing science, engineering and daily life.

- ❖ Hopfield, a professor at Princeton University, created an associative memory that can store and reconstruct images and other types of patterns in data.
- ❖ Hinton, who works as a professor at University of Toronto, invented a method that can autonomously find properties in data and carry out tasks such as identifying specific elements in pictures

World Telecommunication

Standardization Assembly (WTSA)

India will host the World Telecommunication Standardization Assembly (WTSA) of the International Telecommunication Union in New Delhi from the 14th to the 24th of October



Key Point

- ❖ The event will see the participation of over 3,000 world leaders.
- ❖ Technology experts from over 190 countries will collaborate in the program.

- ❖ The event aims to shape the future of technology standards in areas like 6G, artificial intelligence, the Internet of Things, big data, cybersecurity, machine-to-machine communications, and quantum technologies.
- ❖ As part of the side events of WTSA, the second phase of the AI Bharat 5G or 6G Hackathon was organized in New Delhi.
- ❖ In the two-day event, national and international teams compete to achieve sustainable development goals (SDGs) using AI in telecom innovations. The first phase concluded on the 30th of last month.

WAZA Conservation Award

- ❖ The Red Panda Program of Darjeeling's Padmaja Naidu Himalayan Zoological Park has been selected as a finalist for the World Association of Zoos and Aquariums (WAZA) Conservation Award 2024.



Key Point

- ❖ Padmaja Naidu Himalayan Zoological Park has undertaken several habitat restoration initiatives in collaboration with various institutions and the government of India.

- ❖ Between 2022 and 2024, nine captive-bred red pandas (seven females and two males) were released into Singalila National Park in West Bengal.
- ❖ The zoo's conservation efforts are strengthened by its Biobanking and Genetic Resource Facility, wherein gametes, tissues, and DNA of Red Pandas and other endangered species will be preserved for future use.
- ❖ The winner for the WAZA award will be announced on the 7th of next month at the 79th WAZA Annual Conference in Australia's Tarong Zoo.

❖ Red Panda

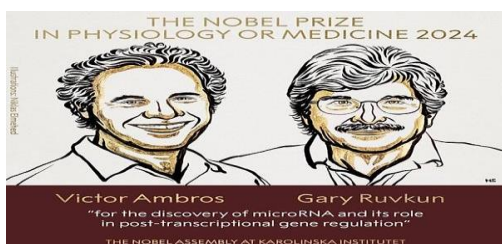
- Scientific name: *Ailurus fulgens*
- Vulnerability:
 - ✓ IUCN red list: Endangered
 - ✓ Indian Wildlife (Protection) Act, 1972: Schedule I
 - ✓ CITES: Appendix 1
- Distribution: Almost 50% of the red panda's habitat is in the Eastern Himalayas.
- In India, it is found in Sikkim, Arunachal Pradesh, Darjeeling, and Kalimpong districts of West Bengal.
- It is the state animal of Sikkim.

About WAZA

- ❖ WAZA is the global alliance of regional associations, national federations, zoos and aquariums, dedicated to the care and conservation of animals and their habitats around the world.
- ❖ It was founded in 1935
- ❖ The membership consists of nearly 400 leading institutions and organisations around the world.

Nobel Prize In Medicine

- ❖ The Nobel Prize in Physiology or Medicine for the year 2024 has been awarded to scientists Victor Ambros and Gary Ruvkun for their discovery of microRNA and its role in post-transcriptional gene regulation.



Key Point

- ❖ MicroRNA is a fundamental principle governing how gene activity is regulated.
- ❖ Discovery made by these two scientists has proven to be fundamentally important for understanding how organisms develop and function.

- ❖ The winners will receive a sum of 1.1 million dollars.
- ❖ In 2023, Katalin Karikó and Drew Weissman were awarded the Nobel Prize in Medicine for their groundbreaking work in developing mRNA vaccines.
- ❖ This year's award is the 115th Nobel prize to be presented in physiology or medicine since 1901.
- ❖ Out of the 229 winners, only 13 have been women.

List of Indian Nobel Prize Winners

Name	Nobel Prize Category	Year
Rabindranath Tagore	Literature	1913
C.V. Raman	Physics	1930
Har Gobind Khorana	Physiology or Medicine	1968
Mother Teresa	Peace	1979
Subrahmanyan Chandrasekhar	Physics	1983
Amartya Sen	Economic Sciences	1998
Venkatraman Ramakrishnan	Chemistry	2009
Kailash Satyarthi	Peace	2014
Abhijit Banerjee	Economic Sciences	2019

Short News

- ❖ India became an affiliate member of International Medical Device Regulators Forum (IMDRF).
- ❖ The World Health Organization (WHO) has launched the Health Labour Market Analysis (HLMA) support tool to assist Africa in assessing health workforce education capacity, supply, and demand.
- ❖ The AccessAbilities Expo 2024 commenced on 8 October at the Dubai World Trade Centre, with over 250 exhibitors from 50 countries showcasing the latest assistive technologies and rehabilitation practices for people with disabilities.
- ❖ The Union Minister of Textiles, Shri Giriraj Singh attended the celebration of World Cotton Day on 7 October 2024.
- ❖ Assam CM Himanta Biswa Sarma emphasized the dual purpose of promoting women's education and preventing child marriages by launching the 'Nijut Moina' scheme.
- ❖ The 92nd Raising Day of the Indian Air Force was celebrated for the first time at the Tambaram Air Force Station near Chennai.



Important Daily Current Affairs Question

1. Who has been awarded the Nobel Prize in Physiology or Medicine for the year 2024?

- (a) Emmanuelle Charpentier and Jennifer Doudna
- (b) Victor Ambros and Gary Ruvkun
- (c) Yoshinori Ohsumi
- (d) David Julius and Ardem Patapoutian

Answer – (b)

2. Dipa Karmakar, who recently announced her official retirement, is associated with which of the following sports?

- (a) Shooting
- (b) Gymnastics
- (c) Wrestling
- (d) Cricket

Answer – (b)

