

Weekly One Liners 04th to 10th October 2022

Nobel prize 2022: Svante Pääbo awarded Nobel Prize in medicine

The Nobel Prizes 2022 for medicine or physiology was awarded to Swedish geneticist **Svante Pääbo**. Svante Pääbo was given the award “for his discoveries concerning the genomes of extinct hominins and human evolution,” the Nobel Prize committee. Considered the most prestigious prize in the scientific world, it is awarded by the Nobel Assembly of Sweden’s Karolinska Institute and is worth **10 million Swedish crowns (\$900,357)**.

Nobel Prizes 2022: About his research:

Through his pioneering research, Svante Pääbo accomplished something seemingly impossible: sequencing the genome of the Neanderthal, an extinct relative of present-day humans. He also made the sensational discovery of a previously unknown **hominin, Denisova**. Importantly, Pääbo also found that gene transfer had occurred from these now extinct hominins to Homo sapiens following the migration out of **Africa around 70,000 years ago**. This ancient flow of genes to present-day humans has physiological relevance today, for example affecting how our immune system reacts to infections.

In 1990, Pääbo was recruited to the University of Munich, where, as a newly appointed Professor, he continued his work on archaic DNA. He decided to analyze DNA from Neanderthal mitochondria – organelles in cells that contain their own DNA. The mitochondrial genome is small and contains only a fraction of the genetic information in the cell, but it is present in thousands of copies, increasing the chance of success.

About the Svante Pääbo:

Svante Pääbo (born 20 April 1955) is a Swedish geneticist specialising in the field of evolutionary genetics and a Nobel prize laureate. As one of the founders of paleogenetics, he has worked extensively on the Neanderthal genome. He was appointed director of the Department of Genetics at the Max Planck Institute for Evolutionary Anthropology in Leipzig, Germany in 1997. He is also a professor at Okinawa Institute of Science and Technology, Japan.



The Nobel Prize:

The prestigious award comes with a gold medal and **10 million Swedish kronor (over \$1.14 million)**. The prize money comes from a bequest left by the prize’s creator, Swedish inventor **Alfred Nobel**, who died in 1895. The other prizes are for outstanding work in the fields of **physics, chemistry, literature, peace and economics**.

Valley of Words Book Awards: ‘Tagore & Gandhi’ wins in English non-fiction

Anees Salim’s The Odd Book of Baby Names (English fiction) and **Rudrangshu Mukherjee’s Tagore & Gandhi: Walking Alone, Walking Together** (English non-fiction) were among the eight that were adjudged the best books of the year at the ‘Valley of Words Book Awards. The PFC-VoW Book Awards, currently in its sixth edition, is considered one of the most comprehensive independent literary award programmes in India.

The total listing of the PFC-VoW E-book Award winners for 2022:

- **English fiction:** The Odd E-book of Child Names by Anees Salim (Penguin Random Home)
- **English non-fiction:** Tagore & Gandhi: Strolling Alone, Strolling Collectively by Rudrangshu Mukherjee (Aleph E-book Firm)
- **Hindi fiction:** Khela by Neelakshi Singh (Setu Publications)
- **Hindi non-fiction:** Jeete Ji Allahabad by Mamta Kalia (Rajkamal Prakashan)
- **Writings for younger adults:** Savi and the Reminiscence Keeper by Bijal Vachharajani (Hachette)
- **Writings/image books for kids:** Aai and I by Mamta Nainy (Pickle Yolk Books)
- **Translation to Hindi:** Yaadon Ke Bikhre Moti: Batware ki Kahaniyan by Aanchal Malhotra, translated by Brig Kamal Nayan Pandit (HarperCollins)
- **Translation to English:** Amader Shantiniketan by Shivani, translated by Ira Pande (Penguin Random Home)

Nobel Prize In Physics 2022: Alain Aspect, John F Clauser and Anton Zeilinger awarded Nobel Prize

The **Royal Swedish Academy of Sciences** announced, the **Nobel Prize in Physics 2022** was awarded to **Alain Aspect (France), John F. Clauser (USA) and Anton Zeilinger (Austria)** for their work on **quantum mechanics**. The 2022 Nobel Prize in Physics has been awarded “for experiments with entangled photons, establishing the violation of Bell inequalities, and pioneering quantum information science.”

Nobel Prize 2022: About the research

The 2022 physics laureates' development of experimental tools has laid the foundation for a new era of quantum technology. Being able to manipulate and manage quantum states and all their layers of properties gives us access to tools with unexpected potential. Intense research and development are underway to utilise the special properties of individual particle systems to construct quantum computers, improve measurements, build quantum networks and establish secure quantum encrypted communication.

Nobel Prize 2022: John Clauser Contribution

This year's Nobel Prize laureate **John Clauser** built an apparatus that emitted two entangled photons at a time, each towards a filter that tested their polarization. The result was a clear violation of a Bell inequality and agreed with the predictions of quantum mechanics.

Nobel Prize 2022: Alain Aspect Contribution:

Alain Aspect, developed a setup to close an important loophole. He was able to switch the measurement settings after an entangled pair had left its source, so the setting that existed when they were emitted could not affect the result.

Nobel Prize 2022: Anton Zeilinger Contribution:

Anton Zeilinger, 2022 Nobel Prize laureate in physics, researched entangled quantum states. His research group has demonstrated a phenomenon called quantum teleportation, which makes it possible to move a quantum state from one particle to one at a distance.

About the Nobel Prize for Physics:

The Nobel Prize for Physics is awarded, according to the will of Swedish inventor and industrialist Alfred Bernhard Nobel, "to those who, during the preceding year, shall have conferred the greatest benefit on mankind" in the field of physics. It is conferred by the **Royal Swedish Academy of Sciences in Stockholm**.

Nobel Prize 2022: Carolyn Bertozzi, Morten Meldal & Barry Sharpless gets Nobel Prize in chemistry

The **Nobel Prize in Chemistry 2022** was awarded jointly to **Carolyn R. Bertozzi, Morten Meldal and K. Barry Sharpless** "for the development of click chemistry and bioorthogonal chemistry" at the Royal Swedish Academy of Sciences in Stockholm. The three have been awarded for their work in '**click chemistry**', in which molecules snap together fast and firmly, without the need for a long, complicated process and too many unwanted byproducts. Their work has applications in the field of medical science, including the treatment of cancer. Bertozzi is based at Stanford University in California, Sharpless with Scripps Research, California, and Meldal is at the University of Copenhagen, Denmark.

Here is what Sharpless, Meldal, and Bertozzi worked on, and the significance of their research:

Barry Sharpless and Morten Meldal are awarded the Nobel Prize in Chemistry 2022 because they brought chemistry into the era of functionalism and laid the foundations of click chemistry. They share the prize with Carolyn Bertozzi, who took click chemistry to a new dimension and began using it to map cells. Her bioorthogonal reactions are now contributing to more targeted cancer treatments, among many other applications.

To simplify, Sharpless came up with the term 'click chemistry' and worked extensively on it, Meldal, independently of Sharpless, came up with a special chemical structure called 'triazole' which has many significant applications, and Bertozzi took the next step of developing click reactions that could work inside living organisms — 'bioorthogonal' reactions (a term she coined), take place living systems without interfering with native biochemical processes.

What is click chemistry?

Click chemistry and bioorthogonal reactions have taken chemistry into the era of functionalism. This is bringing the greatest benefit to humankind. Chemists often try to recreate complex chemical molecules found in nature, and this has applications, among other things, in the field of medicine – how to target and block pathogens in cells. However, this process can be complicated and time-consuming.

About the Carolyn R. Bertozzi:

Carolyn R. Bertozzi, born 1966 in USA. PhD 1993 from UC Berkeley, CA, USA. Anne T. and Robert M. Bass Professor at Stanford University, CA, USA.

About the Morten Meldal:

Morten Meldal, born 1954 in Denmark. PhD 1986 from Technical University of Denmark, Lyngby, Denmark. Professor at the University of Copenhagen, Denmark.

About the K. Barry Sharpless:

K. Barry Sharpless, was born in 1941 in Philadelphia, PA, USA. PhD 1968 from Stanford University, CA, USA. W. M. Keck Professor at Scripps Research, La Jolla, CA, USA.

The Nobel Prize 2022: Nobel literature prize 2022 awarded to French author Annie Ernaux

The **Nobel Prize in Literature for 2022** is awarded to the French author **Annie Ernaux** "for the courage and clinical acuity with which she uncovers the roots, estrangements and collective restraints of personal memory" at the Swedish Academy in Stockholm. The writer is known for works that blur the line between memoir and fiction.

The French author believes in the liberating force of writing. Her work is uncompromising and written in plain language, scraped clean. With great courage and clinical acuity, Annie Ernaux reveals the agony of the experience of class, describing shame, humiliation, jealousy or inability to see who you are, she has achieved something admirable and enduring.

About the Annie Ernaux:

- Annie Ernaux was born in 1940 and grew up in the small town of Yvetot in Normandy.
- Ernaux, 82, has seen a sharp increase in popularity in the English-speaking world since 2019, after her seminal work **'The Years'**, translated by Alison L Strayer, was shortlisted for the Man Booker international prize.
- Her book on her illegal abortion in the 1960s, **'Happening' (first published in 2001)** has also been in the limelight after abortion rights were curtailed in the US.
- They present uncompromising portraits of sexual encounters, abortion, illness and the deaths of her parents. Ernaux describes her style as "flat writing" (écriture plate), a very objective view of the events she is describing, unshaped by florid description or overwhelming emotions.

About the Nobel Prize:

The prize is awarded by the Swedish Academy and is worth 10 million Swedish crowns (\$914,704) and will be handed out on Dec. 10. The money comes from a bequest left by the prize's creator, Swedish inventor Alfred Nobel, in 1895.

Nobel Peace Prize 2022: Human rights campaigners in Ukraine, Russia and Belarus awarded

Nobel Peace Prize 2022: Ales Bialiatski, a human rights defender from Belarus who is now incarcerated, **Memorial**, a Russian human rights organisation, and Center for Civil Liberties, a Ukrainian human rights organisation, have all been jointly given this year's Nobel Peace Prize 2022. The Russian human rights organisation Memorial is one of the two organisations to receive this year's Nobel Peace Prize. The Memorial was ordered to close down during a wave of repression against critical voices and refers to it as "the conscience of Russia prohibited under Putin." During a time of unrest in Ukraine, the Center for Civil Liberties was established in 2007 to advance democracy and human rights there.

Nobel Peace Prize 2022: Key Points

- The centre has stepped its efforts to support Ukrainian civil society and put pressure on the government to transform Ukraine into a fully fledged democracy and a state ruled by the rule of law, according to Nobel committee head Berit Reiss-Andersen.
- The organisation has tried to compile evidence of Russian war crimes committed against Ukrainian citizens since Russia invaded Ukraine in February.
- When it comes to bringing the guilty parties accountable for their misdeeds, the centre is paving the way.

What awardees had to say in winning Nobel Peace Prize 2022?

- **Volodymyr Yavorskyi**, a spokesman for the Center for Civil Liberties, said the honour was significant for the group since for a long time they operated in an unnoticed nation.
- In order to ensure that the victims of communist repression would be remembered, Memorial was established in the Soviet Union in 1987.
- It has kept tabs on the whereabouts of political prisoners in Russia and compiled data on the country's violations of human rights.
- **Ales Bialiatski**, a seasoned rights advocate in totalitarian Belarus and the sole recipient of this year's Nobel Peace Prize, is the subject of a helpful feature by AFP.

Important Facts About Noble Prize:

The Nobel Prizes in physics, chemistry, literature, physiology or medicine, and worldwide industrialist Alfred Nobel's will, which was revealed after his death in 1896, stated that these awards would be given in Stockholm, Sweden, while the **Nobel Peace Prize** would be given in Oslo, Norway.

National Affairs

- The uncertainty around the culmination of the **Naga peace process** is one of the reasons that led to the **Armed Forces Special Powers Act (AFSPA)** being retained in some parts of Assam, Manipur, Nagaland, and Arunachal Pradesh for another six months, according to government officials. ([Click here to read the article](#))
- The **National Mission for Clean Ganga (NMCG)** has approved 14 projects worth **Rs 1,145 crore**. The projects include the following aspects sewerage management, curbing industrial pollution, and biodiversity conservation among others. The project was approved at the 45th meeting of the executive committee under the championship of **G Asok Kumar, Director General, NMCG**. ([Click here to read the article](#))
- **100 laboratories for 5G technology:** The government now intends to establish 5G laboratories around the nation, a day after Prime Minister Narendra Modi announced the start of 5G services in India at the Indian Mobile Congress. The Indian government intends to establish 100 5G laboratories around the nation, according to **Ashwini Vaishnaw**, the Union Minister for Communications, Electronics, and Information Technology. ([Click here to read the article](#))

- The **Chief Election Commissioner Shri Rajiv Kumar** launched a yearlong Voter Awareness Program '**Matdata Junction**' during an event organized at Akashvani Rang Bhavan. The launch event was also facilitated by **Election Commissioner Shri Anup Chandra Pandey**. The Matdata Junction is a 52-episode radio series produced by the election commission of India, in collaboration with **All India Radio**. ([Click here to read the article](#))
- **India's first Green Technology incubation facility:** At the **National Institute of Technology (NIT) Srinagar**, a technology company incubator centred on green technology (Green Technology incubation facility) called the "**Greenovator Incubation Foundation**" will soon open. ([Click here to read the article](#))

States in the News

- The **Telangana government** issued an order to increase the reservation for the **Scheduled Tribe** communities from **6 percent to 10 percent**. The order issued by the **Tribal Welfare Department** informed that the enhanced reservations would apply in the educational institutions and to services under the state government with immediate effect. ([Click here to read the article](#))
- **AFSPA in Nagaland and Arunachal Pradesh:** The Armed Forces (Special Powers) Act, or AFSPA, has been applied to 12 districts in **Nagaland** and **Arunachal Pradesh** for an additional six months, according to the federal government. In order to aid the military forces in carrying out the anti-insurgency operations, it has also been expanded in some areas of five more districts of the two northeastern states. ([Click here to read the article](#))
- The **Telangana government** has introduced '**Aasara**' pensions as a part of the state's welfare measures and social safety net strategy. The 'Aasara' pensions aim to secure life for all the poor. It is a welfare scheme for the older section of the state, widows, physically disabled, and beedi workers to avail pension facilities. Under the Asif Nagar Mandal jurisdiction **10,000 new Aasara pensions** have been sanctioned. ([Click here to read the article](#))
- The **Pullumpara village panchayat** in the **Thiruvananthapuram district, Kerala** achieved the distinction of becoming the first totally **digitally literate panchayat in the country**. The announcement was made by chief minister Pinarayi Vijayan at a public event. The mission to achieve total digital literacy was aimed at empowering the residents to get access to over 800 government services available through the online mode. ([Click here to read the article](#))
- **New Governor of Meghalaya:** At the Raj Bhavan in Shillong, Brigadier (Dr.) B.D. Mishra (Retd.), the governor of Arunachal Pradesh, assumed the role of governor of Meghalaya. After previous Governor Satya Pal Malik's term ended because he did not receive a term extension, he has been handed the extra responsibility. The oath was delivered by **Justice Harman Singh Thangkhiew**, acting chief justice of Meghalaya. ([Click here to read the article](#))

- According to Chief Minister Office officials, the **Uttar Pradesh government** announced the creation of the first three all-female **Provincial Armed Constabulary (PAC) battalions** in the state. The objective of the action is to give women control over the state's security. Additionally, by designating women beat constables, women's aid desks were established at each of the state's 1,584 police stations. ([Click here to read the article](#))

International Affairs

- **China withdraws its IAEA anti AUKUS resolution:** At the International Atomic Energy Agency (IAEA) general session in Vienna, China withdrew a draught resolution criticising the **AUKUS** alliance after determining that it would not be supported by a majority of the attendees. In order to prevent the draught resolution that claimed the AUKUS proposal breached Australia's, the UK's, and the US' obligations under the Nuclear Non-Proliferation Treaty (NPT), India collaborated closely with numerous IAEA member nations. ([Click here to read the article](#))
- A majestic new **Hindu Temple** has been inaugurated in **Jebel Ali Village, Dubai**. The temple combines both Indian and Arabic architectural designs and gives a powerful message of tolerance, peace, and harmony. The temple is located in a neighborhood that is generally known as the '**Worship Village**' of UAE. ([Click here to read the article](#))
- **President of Burkina Faso:** Following **Burkina Faso** 's second coup in less than nine months, **Captain Ibrahim Traore** was named president, according to an official announcement. ([Click here to read the article](#))

Agreements/MoUs Signed

- **India** will export missiles, rockets, and ammunition to **Armenia** after the recent clashes between Armenia and **Azerbaijan**. The missiles will also include Indigenous Pinaka Multi-Barrel Rocket Launcher. **India has signed this deal with Armenia** to help them to depend on the country against their neighboring country Azerbaijan. ([Click here to read the article](#))
- National Payments Corporation of India (NPCI) and **Central Financial institution Of Oman** signed a historic MoU to launch the Rupay debit card in Oman, paving the best way for a brand new period of monetary connectivity. ([Click here to read the article](#))
- **India-New Zealand Navies sign pact:** The Royal New Zealand navy and the Indian navy have signed a contract on the exchange of White Shipping Information Exchange. Chief of Naval Staff, **Admiral R. Hari Kumar** and New Zealand Navy Chief Rear **Admiral David Proctor** signed the contract. In order to encourage more openness in the Maritime Domain, the agreement was signed. ([Click here to read the article](#))

Banking/Economy/Business News

- **India's current account deficit (CAD)**, a key indicator of **balance of payment** of a country, has widened to \$23.9 billion, which is **2.8% of the GDP**, in the first quarter of the current financial year 2022-23. This is up from \$13.4 billion (1.5% of the GDP in Q4 of FY2022) and a surplus of \$6.6 billion (0.9% of the GDP) a year ago period of Q1FY22, according to the data released by the RBI's Balance of Payments. ([Click here to read the article](#))
- The **gross GST revenue** collected in the month of September 2022 is ₹ **1,47,686 crore** of which **CGST is ₹ 25,271 crore, SGST is ₹ 31,813 crore, IGST is ₹ 80,464 crore** (including ₹ 41,215 crore collected on import of goods) and Cess is ₹ 10,137 crore (including ₹ 856 crore collected on import of goods). ([Click here to read the article](#))
- **India's unemployment rate** has drastically dropped to 6.43 per cent in September due to an increase in labour participation in the rural and urban areas, according to data from the **Centre for Monitoring Indian Economy (CMIE)**. During August, India's unemployment rate surged to a one-year high of 8.3 per cent as employment sequentially fell by 2 million to 394.6 million. ([Click here to read the article](#))
- The rules and regulations for online payments for **debit and credit cards** have been changed. The **Reserve Bank of India's (RBI) card-on-file (CoF) tokenization** norms came into effect on 1st October 2022. RBI's CoF tokenization aims to improve the payment experience of cardholders. ([Click here to read the article](#))
- The output of **eight core infrastructure sectors** grew 3.3 per cent in August **the lowest in nine months** as against 12.2 per cent in the year-ago period, according to official data released. The previous low was in November 2021 at 3.2 per cent. It stood at 4.5 per cent in July. ([Click here to read the article](#))
- **PNB WhatsApp Banking Launched** : The government-owned **Punjab National Bank (PNB)** announced that it has made banking services available to both clients and non-customers via WhatsApp. Customers must save the official PNB WhatsApp number (919264092640) and start a conversation by texting a hello or hi to this number in order to enable the banking feature on WhatsApp. ([Click here to read the article](#))
- **World merchandise trade volume growth is likely to slow to 1 per cent in 2023**, down from the previous forecast of 3 per cent made in April this year, per **fresh estimates released by the WTO** . This is due to multiple shocks including the Ukraine war, high energy prices, inflation, and monetary tightening, it said. ([Click here to read the article](#))
- **India's economic growth** is expected to decline to 5.7 per cent this year from 8.2 per cent in 2021, citing higher financing cost and weaker public expenditures, according to the **forecast by the United Nations Conference on Trade and Development (UNCTAD)** Trade and Development Report 2022. ([Click here to read the article](#))
- **Aditya Birla Health Insurance Co. Limited (ABHICL)**, the health insurance subsidiary of **Aditya Birla Capital Limited (ABCL)**, has launched 'Active Fit' which is a comprehensive health insurance plan for young and healthy adults. It is first-of-its-kind in the industry. ([Click here to read the article](#))
- The **National Payments Corporation of India (NPCI)** has said there will be no charge for **RuPay credit card use on Unified Payments Interface (UPI)** for transactions up to ₹2,000. RuPay credit card has been operational for the last four years, and all major banks are enabled and are issuing incremental cards for both commercial and retail segments. ([Click here to read the article](#))
- **State Bank of India** launched the **SBI Foundation's Gram Seva Program** across six states of India. On **Gandhi Jayanti** this year, the State Bank of India announced that it will adopt 30 remote villages across India under the 4th phase of the '**SBI Gram Seva Program**'. The bank will adopt remote villages across **Aspirational Districts** in Haryana, Gujarat, Maharashtra, Punjab, Tamil Nadu, and West Bengal. ([Click here to read the article](#))
- **The Reserve Bank Governor Shaktikanta Das** launched a new '**SupTech**' initiative **DAKSH** – the **bank's Advanced Supervisory Monitoring System**, which is expected to make the supervisory processes more robust. ([Click here to read the article](#))
- **To enhance the effectiveness of its grievance redressal systems**, the **Reserve Bank of India (RBI)** has urged Credit Information Companies to **designate an internal ombudsman (IO)** by April 1, 2023. The Central Bank made the decision in August to include CICs in the scope of the RBI-Integrated Ombudsman Scheme 2021 in order to broaden its appeal. ([Click here to read the article](#))



- **Growth in India's services industry** eased to a six-month low in September, led by a cooling in demand amid high inflation, a private survey showed. **The S&P Global India services Purchasing Managers' Index fell to 54.3 in September** from August's 57.2, lower than the Reuters poll expectation of 57.0. ([Click here to read the article](#))
- **The World Bank cut its 2022-23 (FY23) real gross domestic product (GDP) growth** forecast for India to **6.5%, from an earlier estimate of 7.5%**, while warning that spillovers from Russia's invasion of Ukraine and global monetary tightening will weigh on the economic outlook. ([Click here to read the article](#))
- After facing challenges in the **plan to privatise IDBI Bank**, the government has asked the **Reserve Bank of India to consider tweaking the promoter criteria** that may bring a wider pool of bidders for public sector banks. **There are currently 12 public sector banks.** ([Click here to read the article](#))

Appointments/Resignations

- Senior IAS officer, **Sunil Barthwal** assumed charge as the commerce secretary. Barthwal, a 1989-batch officer of the Bihar cadre, previously served as the labour and employment secretary. He replaced **Subrahmanyam**, a 1987-batch IAS officer of the Chhattisgarh cadre, who was appointed as chairman and managing director, of the India Trade Promotion Organisation on a contract basis for a period of two years following his superannuation. ([Click here to read the article](#))
- Senior Indian Police Service (IPS) officers **Sujoy Lal Thaosan** and **Anish Dayal Singh** have been appointed as the new director generals of the **Central Reserve Police Force (CRPF)** and **Indo-Tibetan Border Police (ITBP)** respectively. Thaosan's scheduled retirement is in November this year, while Singh will superannuate in December 2024. ([Click here to read the article](#))
- Senior Indian Space Research Organization scientist **Anil Kumar** has been appointed as the **Vice-President of the International Astronautical Federation (IAF)**. Dr. Anil Kumar is currently serving as the Associate Director, of **ISRO Telemetry, Tracking, and Command Network (ISTRAC)**. ([Click here to read the article](#))
- Noted lawyer **Lalit Bhasin** has been appointed as the national president of **Indian American Chambers of Commerce (IACC)**. Bhasin, before being elected to the post, was the executive vice president of IACC. Bhasin is the 54th national president of IACC, which was set up in October 1968 and is headquartered in Mumbai, having 14 offices all over India, with a large membership from large, medium and small business entities. ([Click here to read the article](#))

- Senior bureaucrat, **Ajay Bhadoo** has been appointed as the **Deputy Election Commissioner** as part of a senior-level bureaucratic reshuffle effected on Sunday by the Centre. Bhadoo, a 1999 batch Indian Administrative Service (IAS) officer of the Gujarat cadre, has been appointed to the post up to July 24, 2024. The Appointments Committee of the Cabinet approved the senior bureaucrat's candidature. ([Click here to read the article](#))
- A 1985 batch officer of the Indian Ordnance Factory Service (IOFS), **Sanjeev Kishore** has taken over as the **Director General of the Indian Ordnance Factory** with effect from 01-10-2022 upon the superannuation of **M K Grag**. ([Click here to read the article](#))
- **Sandeep Kumar Gupta** assumed charge as the chairman and managing director of **GAIL (India) Limited**. Gupta, who will replace Manoj Jain, has a wide experience of over 34 years in the oil and gas industry. ([Click here to read the article](#))
- **Election Commission of India (ECI)** in creating awareness amongst voters, Actor Pankaj Tripathi has been declared as the **'National Icon' of ECI**. The actor was chosen for the honour by Chief Election Commissioner (CEC) **Rajiv Kumar** for keeping in view his commitment to the cause and wide appeal across the country. ([Click here to read the article](#))
- **Indian-origin Dr. Vivek Murthy** has been nominated by **US President Joe Biden** to serve as the country's representative on the Executive Board of the **World Health Organisation**. Dr. Murthy will serve as the US Representative on **WHO Executive Board** and he will continue his duties as the **US Surgeon General**. ([Click here to read the article](#))
- **Senior Diplomat Sibi George** was appointed as the next **Indian Ambassador to Japan**. Sibi George is a **1993-batch Indian Foreign Service Officer**. He is currently serving as the **ambassador of India to Kuwait**. ([Click here to read the article](#))
- **New MD and CEO of SBI General Insurance**: Shri Kishore Kumar Poludasu has been named the new managing director and chief executive officer of SBI General Insurance Company Limited, according to the company's announcement. ([Click here to read the article](#))
- The **Union Government has appointed a three-member commission, headed by former Chief Justice of India K G Balakrishnan**, to consider the possibility of **granting SC status to "new persons who have historically belonged to the Scheduled Castes"** but have converted to religions other than Hinduism, Buddhism and Sikhism. ([Click here to read the article](#))
- **Mohit Bhatia- New CEO of Bank of India Mutual Funds**: The appointment of **Mohit Bhatia** as CEO of Bank of India Investment Managers Private Ltd (**Bank of India Mutual Funds**) has been made public. In the fields of sales and distribution, team development, marketing & branding, and the creation of digital eco-systems, Bhatia has more than 26 years of professional expertise. ([Click here to read the article](#))

Defence News

- The **Central Bureau of Investigation (CBI)** has launched a multi-phase '**Operation Garuda**'. Operation Garuda will help to disrupt, degrade, and dismantle networks with international linkages through the rapid exchange of **criminal intelligence on drug trafficking** and coordinated law enforcement action across international jurisdictions through Interpol. ([Click here to read the article](#))
- **Light combat helicopter added in IAF Jodhpur Base:** At a ceremony conducted at Air Force Station, Jodhpur in Rajasthan, Defence Minister Rajnath Singh officially admitted the locally produced **Light Combat Helicopters (LCH)** into the Indian Air Force (IAF). LCH would join the 143 Helicopter Unit after being inducted. Prachanda is the name given to Light Combat Helicopters (LCH). ([Click here to read the article](#))

Awards and Recognitions

- Writer **Dr Madhav Hada** will be awarded the **32nd Bihari Puraskar** for his 2015 literary criticism book '**Pachrang Chola Pahar Sakhi Ri**', the **KK Birla Foundation** announced. A literary critic and academic, Hada has written extensively on literature, media, culture and history. He has also been a member of the general council of the Sahitya Akademi and the Hindi Advisory Board. ([Click here to read the article](#))
- **Vivek Lall**, an Indian-origin **General Atomic Global Corporation Chief Executive** is honored with the **Lifetime Achievement Award by US President Joe Biden** with the citation of 'With Grateful Recognition'. This citation was given to Vivek Lall, who has done a **Ph.D. in Aerospace Engineering** from Wichita State University in Kansas, by the **AmeriCorps** and the office of the President. ([Click here to read the article](#))
- **Roxy Mathew Koll**, a scientist at the Pune-based Indian Institute of Tropical Meteorology (IITM), received the **American Geophysical Union's (AGU) 2022 Devendra Lal Memorial Medal**. Koll was selected for his outstanding research in Earth and space sciences. ([Click here to read the article](#))
- Former German chancellor **Angela Merkel** won the **United Nations High Commissioner for Refugees (UNHCR) prestigious Nansen award** for her "leadership, courage and compassion" in ensuring the protection of hundreds of thousands of desperate people at the height of the Syria crisis. ([Click here to read the article](#))
- **PR Sreejesh and Savita Punia** have been voted **FIH Men's and Women's Goalkeeper of the Year** for the second year in a row. The International Hockey Federation announced that young Indian forward **Mumtaz Khan**, and France's **Timothée Clément** have been named the **FIH Rising Stars of the Year 2021-22 in the women's and men's categories respectively**. ([Click here to read the article](#))

- The **SASTRA Ramanujan Prize** for 2022 will be awarded to **Yunqing Tang** Assistant Professor at the University of California, Berkeley, USA. The Award is instituted by the **Shanmugha Arts, Science, Technology & Research Academy (SASTRA)** in 2005. The award includes a **cash prize of \$10,000** and it is presented annually to individuals aged 32 and below, who made an outstanding contribution to the field of mathematics. ([Click here to read the article](#))

Summit and Conference

- **SC-ST hub conclave :** The Ministry of MSME hosted the National SC-ST Hub Conclave in Ahmedabad, Gujarat, to raise awareness of the National SC-ST Hub Scheme and other Ministry programmes. Dr. Kirit Premjibhai Solanki, a member of parliament and chairman of the parliamentary standing committee on the welfare of scheduled castes and scheduled tribes, as well as other important dignitaries, attended the conclave. ([Click here to read the article](#))

Ranks and Reports

- As per a report by Union Tourism Ministry, **Maharashtra and Tamil Nadu** had the highest numbers of foreign tourist visits, with **1.26 million and 1.23 million, respectively in 2021**. The over 280-page report titled 'India Tourism Statistics 2022' was released by Vice-President **Jagdeep Dhankhar** on World Tourism Day at Vigyan Bhawan in New Delhi. ([Click here to read the article](#))
- **Indore** bagged the title of **India's cleanest city for the sixth time** in a row as the results of the Central government's annual cleanliness survey '**Swachh Survekshan Awards 2022**' were announced. **Madhya Pradesh** secured the first position in the category of best performing states, followed by **Chhattisgarh and Maharashtra**. ([Click here to read the article](#))
- About **56 million Indians may have plunged into extreme poverty** in 2020 as a result of the pandemic, increasing the **global tally by 71 million** and making it the **worst year for poverty reduction since World War II**, according to fresh estimates by the World Bank. ([Click here to read the article](#))



Sports News

- Indian javelin thrower, **Shivpal Singh** has been suspended from competing till **October 2025** due to a doping violation. As per the **Olympics.com** he subsequently tested positive for the banned substance methandienone, a performance-enhancing steroid. As a result, the **National Anti-Doping Agency (NADA)** suspended **Shivpal Singh** for four years. The ban comes into effect from October 21, 2021, which means that the 27-year-old will be out of action till **October 2025**. ([Click here to read the article](#))
- Red Bull's driver, **Sergio Perez** has won the **Singapore Formula 1 Grand Prix 2022**. Perez finished 7.5 sec ahead of Ferrari's **Charles Leclerc**, who came at the second position. Ferrari's **Carlos Sainz** grabbed the third position. ([Click here to read the article](#))
- Indian Skipper, **Rohit Sharma** has achieved yet another milestone in his T20 career and has become the first-ever Indian to play **400 T20s**. The India captain has achieved the milestone in the 2nd T20I of the series against South Africa in Guwahati. ([Click here to read the article](#))
- **The United States** defeated **China (83-61)** to win the **International Basketball Federation (FIBA) Women's Basketball World Cup** at the Sydney Superdome, Australia. The Americans bagged their fourth title in a row and 11th in total and have also sealed a spot at the **Paris 2024 Olympic Games**. ([Click here to read the article](#))
- **Antim Panghal**, the World under-20 champion, made an impressive debut at the **National Games 2022** as she won the gold medal in **women's 53kg wrestling**. Haryana's **Antim Panghal**, who made history in August by becoming the first Indian to become U20 world champion in women's wrestling, beat **Priyanshi Prajapati** of Madhya Pradesh by fall in the final. ([Click here to read the article](#))
- India's **Rohan Bopanna** and Dutch player **Matwe Middelkoop** cruised to a 6-2, 6-4 victory over third seeds **Santiago Gonzalez** and **Andres Molteni** in the doubles final of the \$1,019,855 ATP tennis tournament in Tel Aviv. It was the third title of the season for the 42-year-old Bopanna, who had won the other two, early in the season with Ramkumar Ramathan in Adelaide and Pune. The champion team collected **\$50,000** and 250 ATP points, and the runner-up, **\$26,850** and 150 points. ([Click here to read the article](#))
- **Saudi Arabia** has won the bid to host the **2029 Asian Winter Games** at a planned Mountain Resort in the Gulf Arab State. The Asian Games will be held at a **\$500 billion** futuristic megacity in the desert that will feature a year-round winter sports complex. The **Olympic Council of Asia (OCA)** said that the deserts and mountains of **Saudi Arabia** will be turned into a playground for winter sports. ([Click here to read the article](#))

- The **Rest of India's** side won the **Irani Cup** title after beating the **Ranji Trophy Champion of 2019-2020 Saurashtra** by eight wickets in Rajkot. Rest of India (ROI) chased down the 105-run target, with **Abhimanyu Easwaran** remaining undefeated on 63 runs while adding 81 runs and Kona Bharat not out at 27. The **Rest of India's** side won the **Irani Cup** title after beating the **Ranji Trophy Champion of 2019-2020 Saurashtra** by eight wickets in Rajkot. ([Click here to read the article](#))

Schemes and Committess News

- **YUVA 2.0 programme:** The Prime Minister's Scheme for Mentoring Young Authors, known as **YUVA 2.0** (Young, Upcoming and Versatile Authors), was launched by the Department of Higher Education of the Ministry of Education on October 2. In order to promote India and Indian literature abroad, it is an author mentoring programme for young and aspiring writers (under 30 years old). ([Click here to read the article](#))
- **Fit India Freedom Run 3.0:** In honour of Gandhi Jayanti, Fit India Freedom Run 3.0 was officially introduced at the Major Dhyanchand National Stadium in New Delhi. The third edition of Fit India Plog Run, one of the largest national activities initiated by the Government of India at the height of the Covid-19 epidemic in 2020, was jointly introduced by Union Ministers of Law and Justice **Shri Kiren Rijiju** and **Shri Anurag Singh Thakur**. ([Click here to read the article](#))
- The government has approved **Rs 26,000 crore for the installation of 25,000 mobile towers** in 500 days. According to the Telecom Ministry, the financial support for the project will be provided by the **Universal Services Obligation Fund** and it will be implemented by **Bharat Broadband Network**. ([Click here to read the article](#))
- The **Union Finance Minister** allowed airlines to avail of up to **Rs 1,500 crore loan** under the **Emergency Credit Line Guarantee Scheme (ECLGS)**. The ECLGS will help them to recover their cash flow problems. Earlier, an airline could only avail of a loan of not more than Rs 400 crore under the ECLGS. ([Click here to read the article](#))
- The government of India has appointed Justice **Dinesh Kumar Sharma** of the Delhi High Court as the presiding officer of the tribunal for the **Unlawful Activities Prevention Act (UAPA)**, related to the ban on the Popular Front of India (PFI) and its associates. ([Click here to read the article](#))
- **Cheetah Introduction Project Monitoring:** The Center has established a Task Force to oversee the introduction of cheetahs in Madhya Pradesh's Kuno National Park and other suitably specified places. The **National Tiger Conservation Authority (NTCA)** would support the Cheetah Task Force's operations and provide all essential assistance. ([Click here to read the article](#))

Science and Technology News

- **Elon Musk unveils Optimus robot's prototype:** Elon Musk, the CEO of **Tesla**, unveiled a model of the humanoid "Optimus" robot, which uses some of the same Artificial Intelligence (AI) software and sensors as the Autopilot driving assistance system in Tesla vehicles. At Tesla AI Day 2022, which was held to show off how far the company's research into autonomous robots and vehicles had progressed, Optimus was unveiled. ([Click here to read the article](#))
- **Consumer beta testing for ONDC:** In Bengaluru, the Open Network for Digital Commerce (**ONDC**), a technology similar to UPI that promises to democratise access to the internet for small enterprises, went live with its beta test. Consumers will be able to sample the new platform during the beta test, which will also allow for the gathering of insightful feedback. ([Click here to read the article](#))
- **Mars Orbiter Mission: Mangalyaan**, the Indian Mars Orbiter Craft runs out of fuel and battery after completing **8 years**. Mangalyaan was a huge achievement for the Indian Space Research Organization. It helped to study the **Martian landscape** including surface geology, morphology, atmospheric processes, surface temperature, and atmospheric escape process. ([Click here to read the article](#))
- **A SpaceX rocket** soared into orbit from Florida carrying the next long-term **International Space Station crew**, with a Russian cosmonaut, two Americans and a Japanese astronaut flying together in a demonstration of US-Russian teamwork in space despite Ukraine war tensions. ([Click here to read the article](#))
- Alphabet Inc's **Google** will set up its first cloud region in **Greece**, the company, giving a boost to the country's efforts to become a world cloud computing hub. The deal is estimated to contribute some **2.2 billion euros (\$2.13 billion)** to Greece's economic output and create some 20,000 jobs by **2030**. ([Click here to read the article](#))



Important Days News

- The **United Nations** observes the **first Monday of October as World Habitat Day**. This year, World Habitat Day will be observed on **October 3**. The day calls to reflect on our towns, cities, and the basic right of all to have adequate shelter. It serves as a reminder that we can shape the future of the place we live in. This year's theme is "**Mind the Gap. Leave No One and Place Behind**". ([Click here to read the article](#))
- Since **1983**, the annual observance of **World Day for Farmed Animals (W DFA)** on **October 2nd (Gandhi's birthday)** has been offering people of conscience an opportunity to memorialize and mourn these innocent lives. The day is organised by the **International animal welfare organization, World Animal Protection** along with **Asia for Animals coalition** to show the importance and urgency of farm animal welfare. ([Click here to read the article](#))
- The celebration of **68th National Wildlife Week** is observed all over India from **2nd to 8th October 2022**. The main objective of this campaign is to promote the conservation and protection of animal life. It teaches people about animal life and encourages them to save a large number of animals by not killing them for their own food or for other purposes. ([Click here to read the article](#))
- **Department of Drinking water and sanitation (DDWS)**, Ministry of Jal Shakti celebrated **Swachh Bharat Diwas (SBD)** on **2nd October 2022**. The Swachh Bharat Diwas is celebrated to commemorate the **birth anniversary of Mahatma Gandhi**. The Swachh Bharat Diwas is inspired by one of the quotes of the father of the nation, "Cleanliness is next to godliness". ([Click here to read the article](#))
- **World Space Week (WSW)** is observed every year from **October 4 to 10**, to celebrate science and technology, and their contribution towards the betterment of the human condition. The World Space Week 2022 theme is "**Space and Sustainability**" focusing on achieving sustainability in space and achieving sustainability from space. ([Click here to read the article](#))
- **World Teachers' Day or International Teachers' Day** is observed every year on **October 5**. This is a day to celebrate, thank and honour teachers for their contributions to their students. This year marks the 28th anniversary of World Teachers' Day and the theme is "**The Transformation of Education Begins with Teachers**". ([Click here to read the article](#))
- Every year **Breast Cancer Awareness Month (BCAM)** is observed in the month of **October, from 01 to 31**. The annual international health campaign aims to increase awareness of the disease and to raise funds for research into its cause, prevention, diagnosis, treatment and cure. The **pink ribbon** is an international symbol of breast cancer awareness. ([Click here to read the article](#))

- **Indian Air Force** was raised on **October 8, 1932**, and it is completing **90 years today**. The day and its observance is a matter of pride for Indians and inspire a patriotic zeal among the citizenry for the air arm of the Indian Armed Forces. The President of India is the Commander-in-chief of the IAF. This time Air Force Day flypast is scheduled to take place over Sukhna Lake in Chandigarh this afternoon. ([Click here to read the article](#))
- Since its creation in 2006, **World Migratory Bird Day** has been commemorated twice a year. It is supposed to be celebrated on the **second Saturday of May and the second Saturday of October**. This year, it was previously celebrated on **14 May** and for the second time, the world marks this day again today, **8 October**. ([Click here to read the article](#))
- **October 7** is celebrated each year as **World Cotton Day**. Year 2022 marks the third-anniversary celebration of the international event. Below, we look at the theme of this year's celebration, its history and its significance. Cotton fibre and cottonseed are two of the most heavily used plant products globally. India is one of the largest cotton producers globally. The theme for 2022's celebration of World Cotton Day appears to be **"Weaving a better future for cotton,"** as apparent from the posters released by the Food and Agriculture Organisation of the United Nations (FAO). ([Click here to read the article](#))
- **World Cerebral Palsy Day** is observed on **October 6**. Cerebral Palsy is a lifelong disability with no known cure. The day celebrates lives of 17 million people living with Cerebral Palsy, bringing people living with cerebral palsy, their families, allies, supporters and organisations across more than 100 countries together. The Theme for World Cerebral Palsy Day 2022 is **"Millions of Reasons"**. ([Click here to read the article](#))

Obituaries

- **Tulsi Tanti**, founder and chairman of wind turbine maker **Suzlon Energy Ltd passed away**. He was 64. He was born in Gujarat and studied commerce and mechanical engineering. Tanti set up Suzlon in 1995 and spearheaded growth in the Indian wind energy sector by championing affordable and sustainable energy policies. ([Click here to read the article](#))
- **Arun Bali**, a seasoned actor best remembered for playing Kunwar Singh in Swabhimaan, passed away on 7 October 2022 at the age of 79. The actor passed away in Mumbai, according to various sources. ([Click here to read the article](#))

Miscellaneous News

- **Pegatron third iPhone manufacturer in India:** With the opening of a factory in Mahindra World City in Chennai, Taiwan's **Pegatron** became the third Apple supplier to establish a production facility in India. It will put about Rs 1,100 crore into the facility, which might lead to the creation of 14,000 employment. The other two Apple suppliers with facilities in India are the Taiwanese companies Foxconn and Wistron. ([Click here to read the article](#))
- **UGC Guidelines for International Students:** The University Grants Commission (**UGC guidelines**) said that higher education institutions (**HEIs**) nationwide would now be able to add up to 25% extra seats for international students and must have a transparent admissions procedure for them. ([Click here to read the article](#))
- **Adani Green Energy Ltd (AGEL)** has commissioned the world's largest wind-solar power plant of 600 MV capacity in Jaisalmer, Rajasthan. The plant has a power purchase agreement with **Solar Energy Corporation of India (SECI)** at Rs 2.69/kWh for 25 years. ([Click here to read the article](#))
- **Khadi and Village Industry Commission (KVIC)**, a statutory body under the **Ministry of MSME**, is organizing a **Scheme of Fund for the Regeneration of Traditional Industries (SFURTI) Mela** at Dilli Haat, New Delhi. The SFURTI Mela will be organized from **1st October 2022 to 15th October 2022**. ([Click here to read the article](#))
- **Union Home Minister Amit Shah** announces that **Pahari Community in Jammu and Kashmir** will get a **Scheduled Tribe (ST)** status and political reservations before Assembly elections. The **abolition of Articles 370 and 35A** in August 2019 paved the way for providing reservations to deprived sections of Jammu and Kashmir. ([Click here to read the article](#))
- **India** has emerged as the **largest producer and consumer of sugar** in the world and the second largest exporter. During the sugar season in India, over **5,000 lakh metric tons (LMT) of sugarcane** was produced out of which about 3,574 LMT was crushed by **Sugar Mills** to produce about 349 LMT of Sugar. ([Click here to read the article](#))

Static Takeaways

- Central Reserve Police Force Headquarters: New Delhi, India;
- Central Reserve Police Force Formed: 27 July 1939;
- Central Reserve Police Force Motto: Service and Loyalty;
- ITBP Founded: 24 October 1962;
- ITBP Headquarters: New Delhi, India.
- The Indo-American Chamber of Commerce (IACC), was established in 1968.
- International Basketball Federation Founded: 18 June 1932;
- International Basketball Federation Headquarters: Mies, Switzerland;

- International Basketball Federation President: Hamane Niang;
- International Basketball Federation Secretary General: Andreas Zagklis.
- Secretary of Sports: Smt. Sujata Chaturvedi
- Director general of the Sports Authority of India: Shri Sandip Pradhan
- Ambassador for Fit India: Ripu Daman Bevli
- Union Ministers of Law and Justice: Shri Kiren Rijiju
- MD & CEO of Punjab National Bank (PNB): Atul Kumar Goel
- CEO of WhatsApp: Will Cathcart
- Head of India at WhatsApp: Abhijit Bose
- Director-General International Labour Organization (ILO): Gilbert Hounqbo;
- International Labour Organisation Founded: 1919;
- International Labour Organisation Headquarters: Geneva, Switzerland.
- Election Commission of India Formed: 25 January 1950;
- Election Commission of India Headquarters: New Delhi;
- Chief Election Commissioner of India: Rajiv Kumar.
- Google CEO: Sundar Pichai;
- Google Founded: 4 September 1998, California, United States;
- Google Founders: Larry Page, Sergey Brin.
- International Hockey Federation President: Dr Narinder Dhruv Batra;
- International Hockey Federation Headquarters: Lausanne, Switzerland;
- International Hockey Federation Founded: 7 January 1924, Paris, France;
- International Hockey Federation CEO: Thierry Weil (Apr 2018-);
- International Hockey Federation Founder: Paul Léautéy;
- International Hockey Federation Motto: FairPlay Friendship Forever.
- Capital of Burkina Faso: Ouagadougou
- Currency of Burkina Faso: West African CFA franc
- CEO of India's first Green Technology incubation facility, NIT Srinagar: Saad Parvez
- Director, NIT Srinagar: Prof. (Dr.) Rakesh Sehgal
- Capital of Meghalaya: Shillong
- Chief Minister of Meghalaya: Conrad Kongkal Sangma
- Acting chief justice of Meghalaya: Justice Harman Singh Thangkhiew
- Capital of Uttar Pradesh: Lucknow
- Chief Minister of Uttar Pradesh: Yogi Adityanath
- Chairman of State Bank of India (SBI): Dinesh Kumar Khara
- Headquarters of State Bank of India (SBI): Mumbai
- Headquarters of United Nations: New York, USA; Founded: 24 October 1945.
- Secretary General of the United Nations: Antonio Guterres.
- Capital of Burkina Faso: Ouagadougou
- Currency of Burkina Faso: West African CFA franc
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- Acting chief justice of Meghalaya: Justice Harman Singh Thangkhiew
- Capital of Uttar Pradesh: Lucknow
- Chief Minister of Uttar Pradesh: Yogi Adityanath
- Chairman of State Bank of India (SBI): Dinesh Kumar Khara
- Headquarters of State Bank of India (SBI): Mumbai
- Headquarters of United Nations: New York, USA; Founded: 24 October 1945.
- Secretary General of the United Nations: Antonio Guterres.
- Inspector General of the National Tiger Conservation Authority: Dr. Amit Mallick
- Minister of Environment, Forest and Climate Change: Bhupender Yadav
- World Trade Organization Headquarters: Geneva, Switzerland.
- World Trade Organization Founded: 1 January 1995.
- World Trade Organization Director-General: Ngozi Okonjo-Iweala.

