



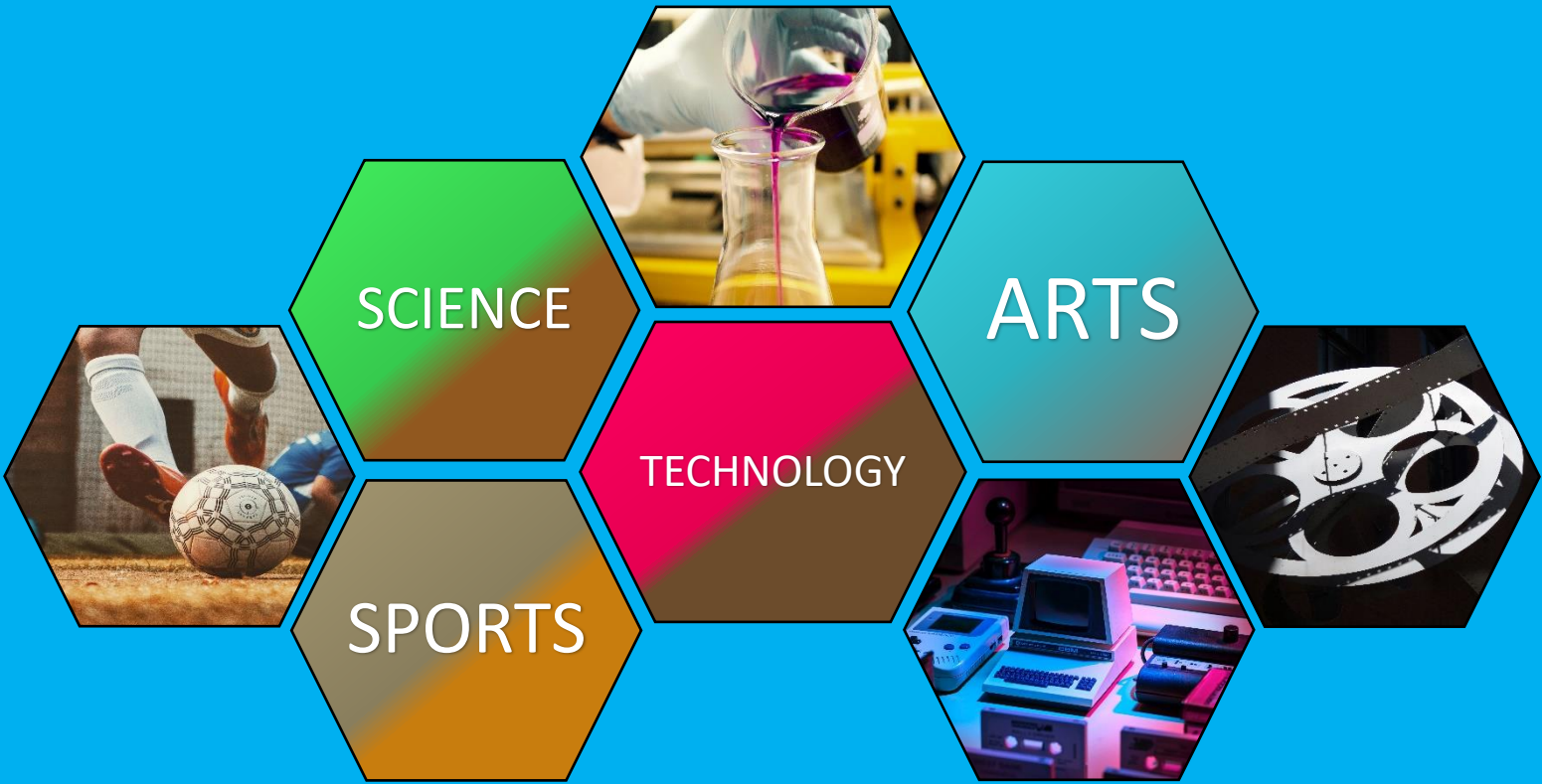
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SCIENCE

Mysterious Author of Early Astronomy Textbooks Unveiled – Researcher Uncovers New Details

(May 14, 2023)

An engraving in the frontispiece to Bryan's astronomy book depicted her with her daughters, although their names were not disclosed. By combing through a relative's will, Girolami was able to find their names at last – Ann Marian and Maria. In the early 1800s, an English schoolmistress, Margaret Bryan, wrote several well-regarded textbooks on astronomy and physics for young women. Despite her correspondence with some of the era's most esteemed mathematicians and astronomers, details about her life remained largely elusive until recently.



Credit: Fred Zwicky

Read more at: <https://scitechdaily.com/mysterious-author-of-early-astronomy-textbooks-unveiled-researcher-uncovers-new-details/>

Carbon Neutral Biochemicals: Transforming CO₂ Into Valuable Materials Using Formic Acid

(May 14, 2023)

Formate can be envisioned at the core of a carbon-neutral bioeconomy, where it is produced from CO₂ by (electro-)chemical means and converted into value-added products by enzymatic cascades or engineered microbes. A key step in expanding synthetic formate assimilation is its thermodynamically challenging reduction to formaldehyde, visible here as a yellow color change.

Read more at: <https://scitechdaily.com/carbon-neutral-biochemicals-transforming-co2-into-valuable-materials-using-formic-acid/>

Unmasking Long COVID: How SARS-CoV-2 Plays Mind Tricks With Your Pain

(May 15, 2023)

A study conducted by researchers from Boston University, Icahn School of Medicine at Mount Sinai, and New York University has revealed that SARS-CoV-2 infection can lead to lasting damage to the dorsal root ganglia, resulting in symptoms of Post-COVID Conditions or Long COVID. The study found that thousands of genes associated with neurodegeneration and pain-related pathways were affected even after the viral infection had been cleared.

Read more at: <https://scitechdaily.com/unmasking-long-covid-how-sars-cov-2-plays-mind-tricks-with-your-pain/>

Eternal Shield: Science Breakthrough for Long-Lasting Vaccines

(May 18, 2023)

In a paper published in the journal *Immunity*, researchers from Monash University's Central Clinical School have made a significant discovery that could revolutionize the longevity of vaccine efficacy. The team discovered that the key to long-lasting immunity after vaccination might lie in the generation of a unique subtype of immune cell that produces antibodies indefinitely.



Read more at: <https://scitechdaily.com/eternal-shield-science-breakthrough-for-long-lasting-vaccines/>

Revolutionizing Cultured Meat: Lab-Grown Fat Unlocks Realistic Flavor and Texture

(May 20, 2023)

Researchers have created lab-grown fat tissue that closely mirrors the texture and make-up of natural animal fat which could enhance the flavor and texture of cultured meat. The technique involves growing fat cells in a 2D layer, then aggregating them into a 3D mass using food-grade binders, overcoming previous challenges of cultivating fat tissue in bulk and potentially enabling mass production of more realistic lab-grown meat. Scientists have successfully proposed lab-grown adipose tissue on a substantial scale, paving the way for the possibility of large-scale production of cultured meat.

Read more at: <https://scitechdaily.com/revolutionizing-cultured-meat-lab-grown-fat-unlocks-realistic-flavor-and-texture/>



ARTS

PM Modi visits art exhibition curated to mark 100th episode of 'Mann Ki Baat'

(May 15, 2023)

Prime Minister Narendra Modi visits 'Jana Shakti', an exhibition at the NGMA, in New Delhi, Sunday, May 14, 2023. This exhibition contains works by India's top artists on themes covered in Mann Ki Baat such as Swachhata, water conservation, agriculture, space, India's northeast, Nari Shakti and Yoga, and Ayurveda. Prime Minister Narendra Modi on Sunday visited the [National Gallery of Modern Art](#) in Delhi for a walkthrough of an exhibition curated to mark the 100th episode of his monthly radio broadcast programme "[Mann Ki Baat](#)".



Read more at: <https://indianexpress.com/article/lifestyle/art-and-culture/pm-modi-visits-jana-shakti-exhibition-organised-at-ngma-to-mark-100th-episode-of-mann-ki-baat-8609008/>

A spiritual tribute to soil': Celebrating the ancient technique of Dabu, one block print at a time

(May 19, 2023)

At the last edition of the Lakmé Fashion Week x FDCI, fashion designer [Anavila Misra](#) showcased a collection — titled 'Dabu' — that celebrated the ancient mud-resist hand block printing technique from Rajasthan. On being asked why she chose the same for her latest creations, the designer said that she was intrigued and fascinated by the idea that "mud can help us create something so delicate and beautiful".

Read more at: <https://indianexpress.com/article/lifestyle/art-and-culture/dabu-mud-resistant-printing-technique-indian-handicrafts-fashion-designers-artisans-8595123/>

Neglected Igbo-Ukwu Bronzes get new life at Nigerian museum

(May 18, 2023)

The Igbo-Ukwu, which date back to the 9th century according to the museum, were discovered in 1939 in southeastern Anambra state, part of the region inhabited by the Igbo people. Igbo-Ukwu bronze artefacts, which, according to the museum, date back to the 9th century, are displayed at the Nigerian National Museum in Lagos, Nigeria. At the National Museum in **Lagos**, workers carefully remove rust and patina from Igbo-Ukwu Bronze artefacts.

Read more at:

<https://indianexpress.com/article/lifestyle/art-and-culture/neglected-igbo-ukwu-bronzes-get-new-life-at-nigerian-museum-8614777/>



Credit: REUTERS/Seun Sanni

Kehinde Wiley is taking his art everywhere, all at once

(May 15, 2023)

If Wiley, 46, is on a mission to make sure he's remembered for a lot more, he seems well on his way. With shows currently on both U.S. coasts, another headed to Paris, and growing artistic bases in Africa, he truly seems to be everywhere all at once. People look at a painting by Kehinde Wiley titled "Christian Martyr Tarcisius," at the de Young Museum in San Francisco.



Credit: AP Photo/Godofredo A. Vásquez

Read more at: <https://indianexpress.com/article/lifestyle/art-and-culture/kehinde-wileyart-femme-piquee-par-un-serpent-art-exhibition-8609921/>

Pierce Brosnan unveils deeply personal paintings in 1st solo art exhibit

(May 19, 2023)

Although best known for playing James Bond and starring in other classics, Pierce Brosnan began pursuing the visual arts as a young boy living in Ireland. Pierce Brosnan has attempted to write about himself many times, but it's through painting that the artist truly feels he can fully express himself.

Read more at: <https://indianexpress.com/section/lifestyle/art-and-culture/>



TECHNOLOGY

Google Quantum AI Braids Non-Abelian Anyons – A Breakthrough That Could Revolutionize Quantum Computing

(May 14, 2023)

Google Quantum AI has observed non-Abelian anyons for the first time, a breakthrough that could revolutionize quantum computing by making it more robust to noise and leading to **topological quantum computation**. Our intuition tells us that it should be impossible to see whether two identical objects have been swapped back and forth, and for all particles observed to date, that has been the case.



Credit: Google Quantum AI

Read more at: <https://scitechdaily.com/google-quantum-ai-braids-non-abelian-anyons-a-breakthrough-that-could-revolutionize-quantum-computing/>

Revolutionary Stretchable OLED Display Bends and Expands – “An Entirely New Display Technology”

(May 14, 2023)

A material developed by Asst. Prof. Sihong Wang and Prof. Juan de Pablo can stretch more than twice its original length without disrupting its ability to emit light and display a clear image. Researchers have developed a highly flexible and stretchable digital display material that emits a fluorescent pattern. The material, which can bend in half and stretch to more than twice its original length, has potential applications in wearable electronics, health sensors, and foldable computer screens.

Read more at: <https://scitechdaily.com/revolutionary-stretchable-oled-display-bends-and-expands-an-entirely-new-display-technology/>

When AI Plays Judge: The Unintended Severity of Machine Learning Models

(May 14, 2023)

Machine-learning models designed to mimic human decision-making often make different, and sometimes harsher, judgments than humans due to being trained on the wrong type of data, according to researchers from MIT and other institutions. The “right” data for training these models is normative data, which is labeled by humans who were explicitly asked whether items defy a certain rule. However, most models are trained on descriptive data, where humans identify factual features instead.

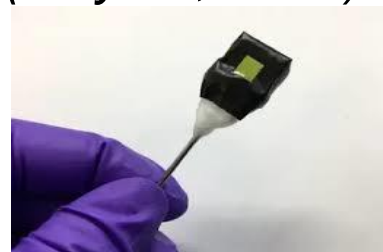


Read more at: <https://scitechdaily.com/when-ai-plays-judge-the-unintended-severity-of-machine-learning-models/>

Solar Powered “Artificial Leaf” Produces Clean, Car-Ready Liquid Fuels From Sunlight

(May 18, 2023)

University of Cambridge scientists have developed an ‘artificial leaf’ that, powered by sunlight, converts CO₂ and water into ethanol and propanol. This innovation eliminates the intermediary step of producing syngas, making the technology more practical and paving the way for a sustainable, zero-carbon emission future.



Credit: Motiar Rahaman

Read more at: <https://scitechdaily.com/solar-powered-artificial-leaf-produces-clean-car-ready-liquid-fuels-from-sunlight/>

Two-in-One: Quantum Dot Breakthrough Combines Laser and LED Capabilities

(May 19, 2023)

An artist’s representation of colloidal quantum dots (colored hexagons) cast from solution (puddles of liquid) onto a grating (groups of horizontal lines) and excited either electrically (lightning-like traces) or optically (narrow white beam coming from the right) to produce multicolor output (beams fanning out from the middle to the bottom-left). A [Los Alamos National Laboratory](#) team has overcome key challenges toward technologically viable high-intensity light emitters based on colloidal quantum dot technology,

Read more at: <https://scitechdaily.com/two-in-one-quantum-dot-breakthrough-combines-laser-and-led-capabilities/>



SPORTS

Pakistan may boycott World Cup if it loses Asia Cup hosting rights: PCB chairman

(May 15, 2023)

There is a “very real possibility” that Pakistan will boycott this year’s World Cup in India if they lose hosting rights to the Asia Cup, the chairman of the country’s cricket board Najam Sethi told Reuters. Bilateral cricket has been a casualty of the soured political relations between India and Pakistan over the last decade and the neighbouring countries now play each other only in multi-team events in neutral venues.

Read more at: <https://indianexpress.com/article/sports/cricket/pakistan-may-boycott-world-cup-if-it-loses-asia-cup-hosting-rights-pcb-chairman-8610398/>



Erling Haaland celebrates record with new boots but it needed an update after he scores again

(May 16, 2023)

Erling Haaland wore a customised boots, marking his record Premier League goal tally against Everton, but he was forced to change them after he took only 39 minutes add another goal. The custom-made design saw the number ‘35’ emblazoned on the outside of his foot, paying tribute to him breaking the record for most goals in a single Premier League season.

Read more at: <https://indianexpress.com/article/sports/football/haaland-celebrates-record-with-new-boots-but-they-need-updating-after-he-scores-again-8609651/>



India's new hockey coach Fulton sets sight on Asiad gold

(May 16, 2023)

There is no scope for the Indian men's hockey team to rest on its laurels after the bronze medal at the Tokyo Olympics, and it's up to the players to ensure that they develop the required consistency to keep improving as individuals and as a group, new head coach Craig Fulton said on Tuesday. The podium finish at the last Games came after a 41-year wait and there was much relief and celebration when the long drought came to an end. But Fulton emphasized that it can't remain a one-off achievement.



Credit: Indian express

Read more at: <https://indianexpress.com/article/sports/hockey/indias-new-hockey-coach-fulton-sets-sight-on-asiad-gold-8613066/>

Brentford's Ivan Toney handed eight-month ban for breaching betting rules

(May 18, 2023)

Brentford and England striker Ivan Toney has been banned from football for eight months and fined 50,000 pounds (\$63,000) after admitting to 232 breaches of the Football Association's (FA) betting rules, the governing body said on Wednesday. Toney will not be able to play for club or country until Jan. 16, 2024.



Read more at: [ndianexpress.com/article/sports/football/brentford-striker-ivan-toney-banned-8-months-for-breaching-betting-rules-8615246/](https://indianexpress.com/article/sports/football/brentford-striker-ivan-toney-banned-8-months-for-breaching-betting-rules-8615246/)

Priti Lamba overcomes injury setback to triumph at Federation Cup Athletics

(May 18, 2023)

Priti Lamba clearly remembers the day she took up sports in school despite not being even remotely interested. The physical education teacher made an announcement in class that students who would join the athletics team would be allowed to practise in the last period of school every day. The offer to officially bunk classes was too tempting to turn down for the then 12-year-old from Haryana.

Read more at: <https://indianexpress.com/article/sports/sport-others/priti-lamba-overcomes-injury-setback-to-triumph-at-federation-cup-athletics-8614902/>