



St Berchmans College
Founded 1922

AUTONOMOUS

College with Potential for Excellence

A+ in the Fifth Cycle of Reaccreditation by NAAC

Changanassery, Kerala, India 686101 | Affiliated to Mahatma Gandhi University, Kottayam

ARTS

**Department of Library and Information
Science**



SPORTS

BERCHLY

**Coordinator :
Shehitha Salim**

SCIENCE

TECHNOLOGY

CONTENTS



ARTS



SCIENCE



SPORTS



TECHNOLOGY

ARTS

Jain Handicrafts creates a charming experiential space near Ahmedabad

Tuesday, July 23, 2024

After a successful debut at the AD Design Show, Jain Handicrafts plans to create an experiential space near Ahmedabad.

Spanning a vast area, the retail spaces were chosen to display a curated collection, offering visitors a glimpse into the brand's rich heritage and craftsmanship.

Wadekar created a serene space with natural light, arches, and Wedgwood blue walls for visitors to enjoy a curated collection of heritage pieces. The two rooms are adorned with Roman busts, miniature paintings, intricately carved jewelry boxes, traditional masks, and a cabinet brimming with silverware, among other captivating curios.



[Read more:https://authindia.com/jain-handicrafts-creates-a-charming-experiential-space-near-ahmedabad/](https://authindia.com/jain-handicrafts-creates-a-charming-experiential-space-near-ahmedabad/)

Union Budget 2024-25 Highlights for MSME, Indian Artisans, Self-help Groups

Wednesday, July 24, 2024

To support the Micro, Small, and Medium Enterprises (MSME) sector, the budget has allocated ₹9,000 crore to the Credit Guarantee Fund Trust for Micro and Small Enterprises (CGTMSE). Additionally, the establishment of E-Commerce Export Hubs in public-private partnership (PPP) mode will enable MSMEs and traditional artisans to expand their market reach and sell their products internationally. These measures are designed to invigorate the MSME sector and promote India's rich artisanal heritage.



[Read more: https://authindia.com/union-budget-2024-25-highlights-for-msme-indian-artisans-self-help-groups/](https://authindia.com/union-budget-2024-25-highlights-for-msme-indian-artisans-self-help-groups/)

SPORTS



Ramkumar Ramanathan qualifies for Atlanta Open main draw

Thursday, July 25, 2024



Ramkumar will face local wildcard Ben Shilton in the opening round of the main draw. If Ramkumar wins, he'll be up against World No. 22 and six-time Atlanta Open champion John Isner who received a bye in the first round.

The Indian had last featured in the main draw of a tour-level event at the Maharashtra Open in Pune in February this year where he was awarded a wildcard. The last time Ramkumar had qualified for the main draw was at the ATP500 event in Washington last year.

Readmore: <https://sportstar.thehindu.com/other-sports/indian-sports-news-updates-july-25-2022/article65680563.ece>

Para karate athlete given job at Khanna MC office

Friday, July 26, , 2024

Ludhiana After a long hustle, Tarun Sharma has finally been appointed by the state government on July 24, the same day on which he held a protest by polishing shoes, outside the mini secretariat, in the quest for employment.

Tarun Sharma a para karate player has been appointed as a deputy clerk in MC Office Khanna after he staged a protest outside mini secretariat in Ludhiana on Friday. (HT File)

The 33-year-old international para karate player informed that he has been appointed as a deputy clerk in the office of municipal corporation in Khanna on temporary basis. joining letter would be handed over on Monday," he said.



Read more: <https://www.hindustantimes.com/cities/chandigarh-news/para-karate-athlete-given-job-at-khanna-mc-office-101722014816099.html>

SCIENCE

Magnetic fields help understand light particle splitting for boosting solar cell efficiency

Friday, July 26, 2024

Scientists are closer to giving the next generation of solar cells a powerful boost by integrating a process that could make the technology more efficient by breaking particles of light—photons—into small chunks.

In a study published in Nature Chemistry researchers unravel the scientific understanding of what happens when light particles split—a process called singlet fission—and its underlying workings.

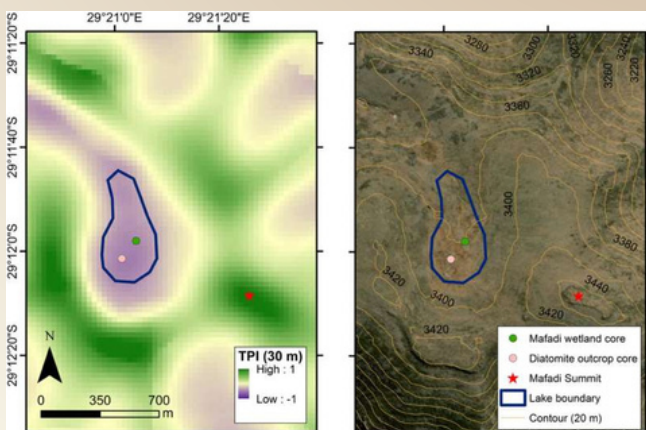
Lead researcher Professor Tim Schmidt from UNSW Sydney's School of Chemistry has studied singlet fission for more than a decade. He says the process could be invoked and applied to improve existing silicon solar cell technologies.



Read more: [-https://techxplore.com/news/2024-07-magnetic-fields-particle-boosting-solar.html](https://techxplore.com/news/2024-07-magnetic-fields-particle-boosting-solar.html)

Fossil algae show a lake once existed on Lesotho's Mafadi summit, but it vanished about 150 years ago

Saturday, July 27, 2024



Lesotho is a small, land-locked, mountainous country located in the middle of South Africa. Its Eastern Lesotho Highlands are often referred to as the region's "water tower" because they receive some of the highest rainfall amounts in southern Africa, providing water to South Africa and electricity to Lesotho through the Lesotho Highlands Water Project.

Despite this abundance of rainfall, and although the country has many wetland habitats, there are surprisingly few natural lakes. Researchers aren't sure why—and our newly published study provides evidence that this may not always have been the case.

Read more: <https://phys.org/news/2024-07-fossil-algae-lake-lesotho-mafadi.html>

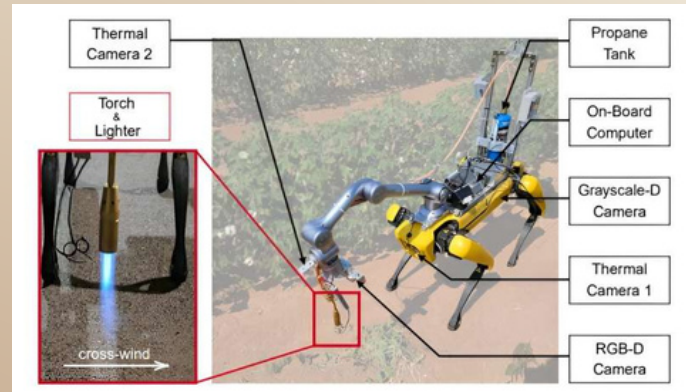
TECHNOLOGY

Robot Spot configured to find and stun weeds using a blowtorch

Friday, July 26, 2024

A team of computer scientists and roboticists with members from Texas A&M University in the U.S., and the Mohamed Bin Zayed University of Artificial Intelligence in Abu Dhabi, working with a colleague from Boston Dynamics, has configured a robot made by Boston Dynamics to seek out and stun weeds using a small blowtorch. The team has posted a [paper](#) describing their efforts to the arXiv preprint server.

Boston Dynamics, maker of the well-known quadruped Big Dog, has been working on technology to improve both the robot's agility and processing ability. Its latest quadruped is Spot, a robot with increased agility, highly accurate sensors and a brain that includes AI capabilities. In this new effort, the research team used some of Spot's abilities to tame weeds growing on cropland.



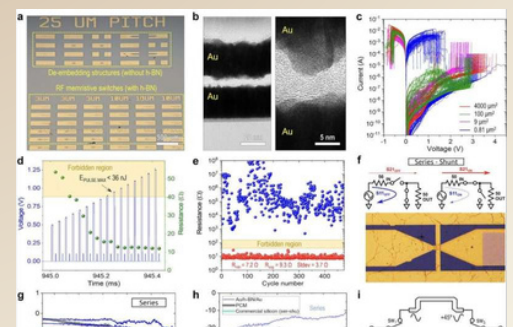
Read more: <https://techxplore.com/news/2024-07-robot-configured-stun-weeds-blowtorch.html>

Memristive radiofrequency switches show improved performance for mmWave applications

Thursday, July 25, 2024

Radiofrequency (RF) switches are electronic components that control the routing of RF signals between different segments of circuits, for instance turning the signals on and off or redirecting them. These switches are central to the functioning of numerous communication technologies, including smartphones, cell towers, and wireless networks.

Researchers at King Abdullah University of Science and Technology, Universitat Autònoma de Barcelona and other institutes recently developed memristive radiofrequency switches that can operate at remarkable frequencies beyond 100 GHz.



Read more: <https://techxplore.com/news/2024-07-memristive-radiofrequency-mmwave-applications.html>