



ISSUE HIGHLIGHTS

Page 1-

- ▶ Mermaid Plant Species Discovered
- ▶ Robots Made of Onion Peels
- ▶ Current Affairs

Page 2-

- ▶ International Day of Sign Language
- ▶ World Coconut Day
- ▶ Critic's Section

Page 3-

- ▶ Tiny Tickles
- ▶ Dinosaur Fossils Discovered
- ▶ Business Section

Page 4-

- ▶ Write out Loud
- ▶ Birthday Wishes

CURRENT AFFAIRS

- ◆ Madhya Pradesh becomes 2nd state to implement National Education Policy 2020
- ◆ India's Komalika Bari became the new under-21 recurve world champion at the Youth World Championships that was held on August 16, 2021, in Wroclaw, Poland.

'Mermaid' Plant Species Discovered!

-Ishita Karmaran



PC: BBC

Andaman and Nicobar Islands are prominent places for their biodiversity, attracting the focus of many scientific studies. The scientists from the Central University of Punjab in India have discovered a new plant species with a beautiful structure in the archipelago. It is a type of green algae which was named "Acetabularia Jalakanyakae" by scientists. Jalakanyakae is a Sanskrit word that means Mermaid or the Goddess of the oceans. Interestingly, the parent group of species Acetabularia, owing to the mesmerizing structure, is also known as "mermaid's wineglass." Acetabularia is the largest unicellular creature in the plant and animal kingdom. The organisms belonging to the group, contain just one cell, despite the size ranging from 0.5cm-10 cm. This new species features a leaf-like round green structure inscribed with lines converging to its center. Felix Bast, a lead scientist of the research and an Associate Professor at Central University of Punjab stated to BBC "It has caps with intricate designs as if it were umbrellas of a mermaid."

In 2019, during a visit to the Andaman and Nicobar Islands, the researchers found this species of algae, and it took them nearly two years to confirm that it did not belong to any other species known earlier. They compared the newly found algae species to the existing flora and performed DNA sequencing for 18 months.

This species is the first-ever discovery in the

Andaman Islands from the past four decades and is vital as the archipelago is still contributing to biodiversity. The last algal species discovered

from the islands was a species of microscopic green algae 'Desmid' in 1984," says Dr. Hari Singh Gour Central University Algologist Vandana Vinayak, who was not involved in the study, said in a statement. The Indian Journal of Geo-marine Sciences has affirmed this study.

Host of the healthy coral reefs, the archipelago has 86% land covered in lush green forests. These coral reefs not only protect and enrich the environment in several ways but also support the growth of diverse organisms including species of green algae. Since plants in the Acetabularia genus have rich calcium carbonate deposits that account for about half their dry weight, scientists raised concerns that they are highly prone to ocean acidification due to global greenhouse gas emissions. As atmospheric carbon dioxide levels rise and CO₂ gas mixes with the surface ocean, the formation of organic acids increases the acidity of the oceans. Which, in turn, threatens the existence of all species that depend on oxygen. They said ocean acidification can notably affect calcium-rich species, especially the algae partners of coral reefs called Symbiodinium, causing such reefs to fall into lifeless white deserts through coral bleaching. The impeccable hard work of Indian researchers and scientists has led to the discovery of this second new plant species in the past few years.

Robots Made of Onion Peels

-Sama Padvekar

Using penetrable carbon nanoparticles from wasted onion peels, a group of scientists came up with soft robotic actuators with magnified photochemical capacity, stated by the Department of Science and Technology.

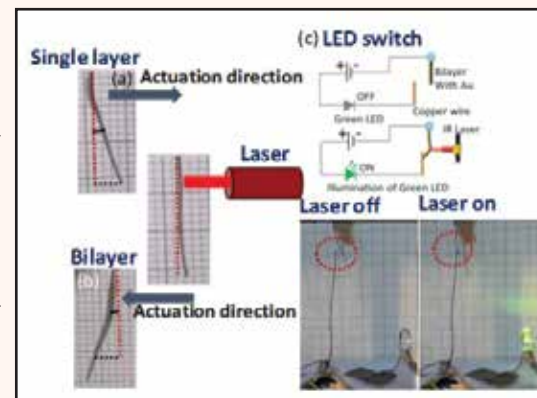
The actuators can behave as environment-friendly and systematic traps for illuminating low-power near-infrared (NIR) light and can convert a control signal into mechanical motion with bioengineering applications such as drug delivery, wearable and assistive devices, prostheses, and even artificial organs. These soft robots consist of rubber-like polymer which is embedded with nanoparticles. These nanoparticles convert a source of energy into mechanical motion. These have gained much interest in targeted areas like bio-medical, military, and remote space operations. Their predesigned motion eases their flexibility, easy customization and affordability are the main causes for interest. These actuators have a high thermal conductivity that helps in the rapid distribution of the heat generated locally by thermal and photo-thermal stimuli.

"A team led by prof. S Krishna Prasad at the Centre for Nano and Soft Matter Sciences (CeNS), Bengaluru, has realized such a possibility by

utilizing porous carbon nanoparticles (PCNs)," the DST said. In the research work recently published in the Journal of Nanostructure in Chemistry, the porous nano-carbons (PCN) prepared from waste onion peels by Gurumurthy Hegde at the BMS College of Engineering in Bengaluru, it added.

These actuators were efficient traps for illuminating low-power near-infrared (NIR) light "which actually resulted in the film comprising PCNs achieving large magnitude (multi-mm) actuation with fast (less than a second) responses" says the research. The researchers attribute the heat-trapping functionality to the way through which the PCN is ready.

Pragnya Satapathy, a senior research fellow, said, "Exhaustive measurements performed show that the photothermal conversion efficiency and the heat-trapping capability is seen to be strongly correlated with the pyrolysis temperature employed for PCN preparation, and thus is an effective control parameter."



PC: EET Times India

International Day of Sign Languages

-Darshit Tanna

International Day of Sign Languages is an extraordinary chance to help and ensure the linguistic identity and social variety of every single deaf individual and other sign language user. In 2020, the World Federation of the Deaf gave a Global Leaders Challenge. This test was meant to advance the utilization of sign languages by neighborhood, public, and worldwide innovators in organizations with a public relationship of deaf individuals in every nation, just as other deaf-drove associations.

As per the World Federation of the Deaf, there are around 72 million deaf individuals around the globe. About 80% of them live in agricultural nations. All in all, they utilize more than 300 diverse sign languages.

Sign languages are completely fledged general languages, fundamentally unmistakable from spoken languages. There is additionally an international sign language used by deaf individuals in global gatherings and casually when traveling and socializing. It

is a pidgin type of sign language that is not as complicated as regular sign languages and has a restricted dictionary.

The proposition for the day came from the World Federation of the Deaf (WFD), a league of 135 national associations of deaf individuals, addressing around 70 million deaf individuals' basic liberations around the world. The resolution A/RES/72/161 was supported by the Permanent Mission of Antigua and Barbuda to the United Nations, co-supported by 97 United Nations Member States, and took on by agreement on 19 December 2017.

The decision of 23 September celebrates the date that the WFD was set up in 1951. This day denotes the introduction of a promotion association, which has as one of its fundamental objectives, the conservation of sign languages and deaf culture as pre-necessities to the acknowledgment of the common liberties of deaf individuals.

The International Day of Sign Languages was

first commemorated in 2018 as a component of the International Week of the Deaf. The International Week of the Deaf was first celebrated in September 1958 and has since developed into a global development of deaf unity and purposeful promotion to bring issues to light of the issues deaf individuals face in their regular daily existences.

The theme for last year was 'Sign languages are for everyone.' This year, 2021, the International Week of the Deaf will be known as *The International Week of the Deaf People*. It was renamed due to the decision of the XVI WFD General Assembly, in which the members requested the following:

- 1) The WFD work to inaugurate an International Day of Sign Languages
- 2) To rename it to The International Week of the Deaf People

From this year, the world will celebrate the International Week of the Deaf People instead of just one day!

World Coconut Day

-Vanshika Nanavati

On September 2, World Coconut Day is held to honor the founding of the Asian Pacific Coconut Community (APCC). It is overseen by the United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP). On this day, the world honors one of nature's healthiest foods, the coconut, and promotes its uses and importance.

The coconut's endearing moniker has a fascinating backstory. There are three indentations on the surface of a coconut that resembles a human face, as depicted in numerous cartoons and children's illustrations. According to ancient Iberian tradition, these indentations reminded the Portuguese and Spanish explorers of the bogeyman or a similar entity. The word "coconut" was developed when a mythical character from their homelands was given the name "Coco."

Owing to Arab sailors, the coconut traveled from India to the coast of East Africa, and from Southeast Asia to the west of Madagascar in the Indian Ocean and the east of the Pacific, thanks to Austronesian sailors. Since then, coconuts have shown to be a powerhouse, supplying us with a wide range of goods and advantages. The coconut's soft white flesh is utilized in a variety of dishes, while the oil, milk, and water are used for both cooking and non-cooking uses. The husks and leaves of coconuts are utilized to make doormats, roofs, and huts, while coconut butter, coconut cream, and coconut oil are essential byproducts used in cosmetic treatments. They have a huge amount of electrolytes and lauric acid, as well as antibacterial, antifungal, and antiviral properties. They're made in over 80 different countries around the world. India is currently the world's third-largest producer of coconuts, trailing only Indonesia.

The coconut palm thrives in India's coastal region, from Sir Creek to the Sundarbans. The leading coconut-producing states are Kerala, Karnataka, Tamil Nadu, and Andhra Pradesh, with strong local consumption. The coconut tree is known in Hinduism, Jainism, and Buddhism as the Kalpavriksha or heavenly tree that grants desires. However, there's no doubt that the coconut is an indispensable part of life on the tropical coasts of the world. For them, it's simply "the tree of life".

The International Coconut Community chooses a theme for World Coconut Day each year. "Invest in Coconut To Save The World" was the theme for 2020. In India, the Coconut Development Board (CDB) conducts various events in different parts of the country on World Coconut Day. During the occasion, national awards will be presented to those who have excelled in coconut farming, industry, and other coconut-related activities.



PC: Brooks Tropicals

QUOTE FROM THE HOLY BIBLE

I consider that our present sufferings are not worth comparing with the glory that will be revealed in us.
Romans 8:18

Critics' Section

(based on IMDb's rating)

MOVIES

Fear Street



These horror films tell the story of Shadyside, a small town cursed by a witch generations ago in a way that has led to waves of murders ever since. Smart, funny, and truly bloody, they first seem like mere homages to classic horror but they also stand firmly on their own two feet.

Eternal sunshine of the spotless mind

One of the smartest love stories ever written which captures a couple who both undergo a treatment to erase each other from their memories following a breakup. The dream, right? Not so, as they revisit their life together in woozy flashbacks and realize that they're not ready to let go just yet.



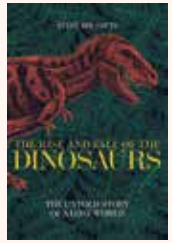
Annihilation



Based on the book of the same name, Natalie Portman is a scientist who goes in search of her husband. She enters Area X, a mutated, trippy landscape that's been expanding ever since it was hit by a meteorite. And things just keep getting weirder and scarier.

BOOKS

The Rise and Fall of the Dinosaurs



Do you find dinosaurs fascinating? If so, this is one of the must-read books on the subject. Steve Brusatte reveals the different dinosaurs that roamed the planet – and the different worlds in which they lived.

Frankenstein

English author Mary Shelley tells the story of Victor Frankenstein, a young scientist who creates a monster and brings it to life. This gripping novel evokes questions about what makes us human and what love and kindness truly mean.



The Bright Hour



An exquisite memoir about how to live--and love--every day with "death in the room," from poet Nina Riggs, mother of two young sons and the direct descendant of Ralph Waldo Emerson, in the tradition of When Breath Becomes Air.

TINY TICKLES



CC: The Daily Cartoonist



CC: The Comic Stripes

DINOSAUR FOSSILS DISCOVERED!

-Darshit Tanna



PC: News 18

China is known for many things be it the most populated country or the most producing country. But, this year, China gave two extremely rare dinosaur fossils which were found in Southern China. Paleontologists found a 180-million-year old dinosaur skeleton in Lufeng, an area-level city in the Yunnan territory of Southwest China. The Jurassic-period fossil is a very uncommon find since it is just about 70% unblemished. As indicated by Chinese paleontologists, the skeleton, which was found in a dirt layer that traces back to 180 million years, had a place eight meters in length from the Lufengosaurus dinosaur. Lufengosaurus is a group of dinosaur species that lived in Southwest China during the early Jurassic time frame - 195 to 190 million years prior. "The fossil can be viewed as an irreplaceable asset and the revelation will be viewed as a stunning occasion throughout the entire existence of worldwide fossil science if we figure out how to uncover the fossil's head bones during the following exhuming project," Wang Tao, the head of the Dinosaur Fossil Conservation and Research

Center, Lufeng City, revealed to Global Times. The fossil was found in a slope region that has high dangers of disintegration. To save the rare find from getting harmed, the Dinosaur Fossil Conservation and Research Center of Lufeng City is uncovering the fossil.

"As per the fossils we have found throughout the long term and in light of its tail and thigh bones, this ought to be a kind of a giant Lufengosaurus, which lived during the Early Jurassic time frame," Tao added.

In 2017, researchers recuperated proof of proteins and veins embedded inside the ribs of another Lufengosaurus dinosaur that lived 195 million years prior. The recuperated remainders were assessed as the most seasoned remaining parts of delicate tissue at any point recuperated. Additionally, an oviraptorid dinosaur agonizes on its blue-green eggs with its mate close by in what is currently the Jiangxi Province of southern China.

Around 70 million years prior, an ostrich-like dinosaur agonizing on a home of blue-green eggs met its destruction, dying with it almost brought forth indulges in what is currently southern China. Presently, the remaining parts of the oviraptorosaur, or a goliath-padded dinosaur that strolled on two legs — address the solitary dinosaur fossil on record to be discovered sitting on top of eggs that contain dinosaur embryos, another examination finds.

"Dinosaurs safeguarded on their homes are rare, as are fossil embryos," study lead analyst Shundong Bi, a scientist at the Center for Vertebrate Evolutionary Biology at Yunnan University in China, said in an explanation. "This is the first run through a non-avian dinosaur has been discovered, sitting on a home of eggs that save embryos, in a solitary fabulous example. Oviraptoridae, which are theropods, a gathering for the most part meat-eating bipedal dinosaurs that incorporates Tyrannosaurus rex and Velociraptor, thrived during the Cretaceous time frame (145.5 million to 65.5 million years prior). This agonizing oviraptorid was found in rocks dating to the last age of the Cretaceous time frame, known as the Maastrichtian age (72 million to 65.5 million years prior), close by the Ganzhou railroad station in the Jiangxi area.



PC: Zhao Chuang

BUSINESS

Kefi

Drishti Doshi and Krisha Doshi's Kefi wraps and decors does, as the name implies, decoration for various events, whether small or large. They have been working in this industry for a year. They create personalised hampers for a variety of occasions. Drishti and Krisha started this company to provide the finest experience to customers who are looking for something special. Their good service and long run in the decor world gives us a



reason to believe in them. They seem to have mastered in their work and one should definitely rely on them for our upcoming parties and events.

So if it's a birthday party or an anniversary you know who to call! If you want a personalized hamper you definitely know who to call!

Krisha Doshi: 9819654460
Drishti Doshi: 8879774456
Insta ID: kefiwrappersanddecor

QUOTE OF THE MONTH

“Most people do not listen with the intent to understand; they listen with the intent to reply.”
— Stephen Covey

DID YOU KNOW?

New York was briefly named "New Orange."

Yes, before it was the Big Apple, it was New Orange. As History reports, when the Dutch captured New York from the English in 1673, they renamed it New Orange in honor of William III of Orange. The following year, the English regained control and ditched the "Orange."

Oranges aren't naturally occurring fruits

Oranges may be an iconic fruit, but they are not a naturally occurring one, as The Telegraph points out. In fact, oranges are a hybrid of tangerines and pomelos, also known as "Chinese grapefruit," and they were originally green—not, well, orange. Oranges are a subtropical fruit, but now that they exist in more temperate climates, they lose their chlorophyll-induced green and become their more familiar color when the weather warms up



-Rahul Shigwan



-Sameep Vilankar



-Rahul Shigwan



-Sameep Vilankar



-Sameep Vilankar



-Darshit Tanna



-Rahul Shigwan



-Darshit Tanna



-Ishita Karmaran



-Sama Padvekar

WRITE OUT LOUD

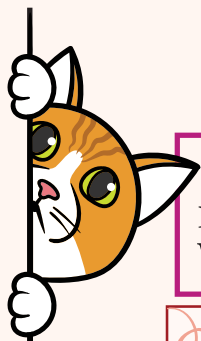


-Ridham Bhadreshwara

Yaadein

Teri yaadon mein dil is qadar masroof hai
Ki kisi aur cheez ka ilm nahi hai
Tujhse bichad ke bhi tujhse door nahi ho raha
Kya ya mujh par zulm nahi hai?
Har pal bas teri baatein mere jism mein daudti hai
Teri khushboo ke nashe se
Koi aur khushboo nahi chadhti hai

-Darshit Tanna



Follow/ @thelsrcmediacub
on Instagram
instagram.com/thelsrcmediacub

FUN FACTS

Humans cannot walk in a straight line without a visual point.
When blindfolded, we will gradually walk in a circle.

BIRTHDAY WISHES

Nupoor Bangera- 1st September
Moksha Jain- 7th September
Sunil Bormahela- 11th September
Sunder Prajapati- 18th September
Nandita Manish- 28th September



Today is the oldest you have been, and the youngest you will ever be. make the most out of it. -Nicky Gumbel

EDITORIAL TEAM

Editors: Ishita Karmaran and Vanshika Nanavati.
Designers: Sama Padvekar and Darshit Tanna.
Data Collection: Kavita Soni, Sama Padvekar, Darshit Tanna and Ishita Karmaran.

To showcase your artwork in the next edition or to provide feedback,
write to us at: masalakhabar0302@gmail.com

DO NOT COPY WITHOUT PERMISSION