

RMRC, Bhubaneswar

(Laxmi Narayan Memorial Library)

Weekly Current Awareness Service

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"I DON'T HAVE TO LOOK FOR FIND TREASURES. I DISCOVER THEM EVERY TIME I VISIT A LIBRARY".

- MICHAEL EMBRY

About Monday Morning

Monday morning is a weekly E- CAS (Electronic Current Awareness Service) of RMRC Library, Bhubaneswar which carries one Biomedical & health science news item and some useful current medical research links so that the scientists can access the articles. This E- Bulletin starts its journey from 21st Nov. 2016. In this maiden attempt we cordially invite your inputs and suggestions to improve in future.

Dr. Banamber Sahoo, Lib & Inf. Officer
Satyajit Nayak & Twinkle Rout (Lib. Trainee)

FACT OF THE MATTER

Gastric balloon pill could help reduce obesity in safe manner

SWELL FINDING

Shedding those extra kilos may become as easy as popping a pill. Researchers from Sapienza University of Rome have developed a gastric balloon that can be swallowed, rather than surgically inserted. "It may be a safe and effective way to induce substantial weight loss as well as curb obesity," said researchers. Once swallowed, it swells up with the (50 ml) water used to pop the pill. It also reduces risk and discomfort caused by the common intragastric balloons (IGBs).



1. Mosquitoes that spread Zika virus could simultaneously transmit other viruses.

A new study led by Colorado State University researchers found that *Aedes aegypti*, the primary mosquito that carries Zika virus, might also transmit chikungunya and dengue viruses with one bite. The findings shed new light on what's known as a coinfection, which scientists said is not yet fully understood and may be fairly common in areas experiencing outbreaks. For more details click on the below link.

https://www.eurekalert.org/pub_releases/2017-05/csu-mts051717.php

2. Rice plant engineered with a 'tunable' immune system could fight multiple diseases at once.

Farmers are constantly spraying pesticides on their crops to combat an array of viral, bacterial, and fungal invaders. Scientists have been trying to get around these chemicals for years by genetically engineering hardy plants resilient to the array of diseases caused by microbial beasts. Most attempts so far confer protection against a single disease, but now researchers have developed a rice plant that fights multiple pathogens at once—without loss to the crop yield—by hooking up a tunable amplifier to the plant's immune system. For more details click on the below link.

<http://www.sciencemag.org/news/2017/05/rice-plant-engineered-tunable-immune-system-could-fight-multiple-diseases-once>

3. The curious case of the caterpillar's missing microbes.

Many animals, including humans, can't live healthy lives without the microbes in their guts. These intestinal residents break down food and help to fight off disease-causing microorganisms. But the latest research suggests that some species, including caterpillars, can do just fine without them. It's possible, say scientists who have studied these symbiotic bacteria, fungi and other microbes, that gut microbiomes might be less ubiquitous than previously assumed. For more details click on the below link.

<http://www.nature.com/news/the-curious-case-of-the-caterpillar-s-missing-microbes-1.21955>

4. WHO Weekly epidemiological record.

Dracunculiasis eradication: global surveillance summary, 2016. For more details click on the below link.

<http://apps.who.int/iris/bitstream/10665/255503/1/WER9220.pdf?ua=1>



E- CAS (Current Awareness Service)

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