

Monday Morning

RMRC, Bhubaneswar

(Laxmi Narayan Memorial Library)

Weekly Current Awareness Service

VOL 4#15

15th April

2019

"You cannot believe in God until you believe in yourself."

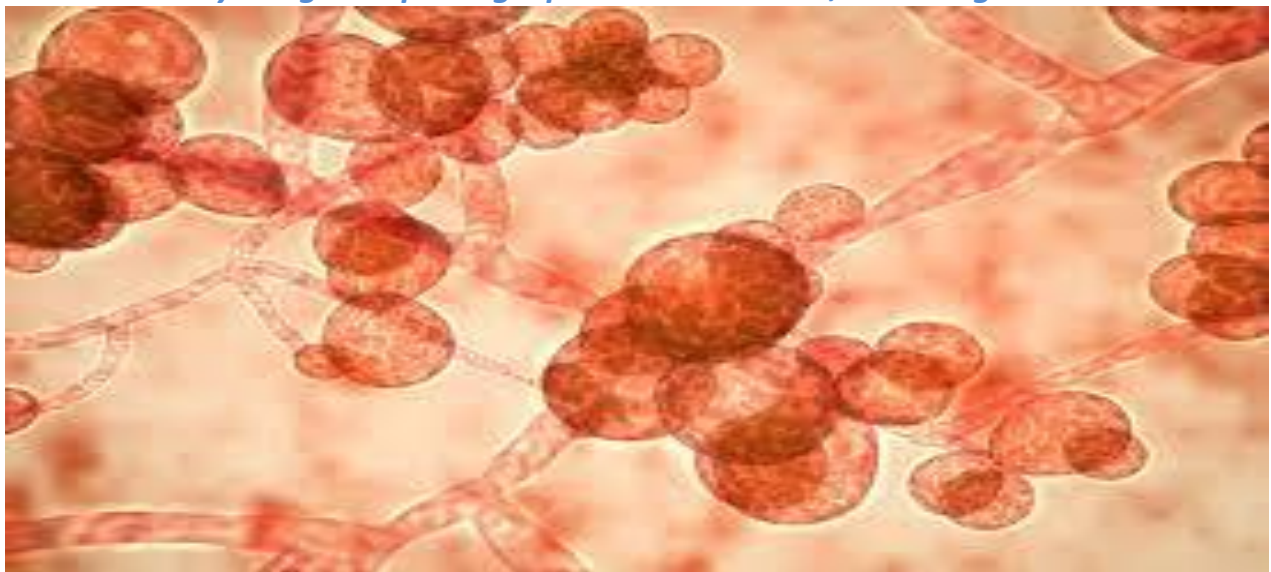
- Swami Vivekananda

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
Sonali Sribastab& Shaktidhar Barik (Lib. Trainee)

Deadly Fungal 'Superbug' Spreads Worldwide, Alarming Scientists



A deadly fungal infection that is resistant to major antimicrobial medications is spreading globally, and scientists aren't sure where it came from.

<https://www.livescience.com/65181-candida-auris-spreading.html>

1. When an older person's brain waves are in sync, memory is boosted

Nudging an older person's brain waves into sync temporarily boosts her recall powers. After about a half hour of precisely calibrated stimulation, people were better able to mentally juggle images seen on a screen. For more details, click on the below link

<https://www.sciencenews.org/article/brain-stimulation-memory-boost-dementia>

2. Bright spot analysis for photodynamic diagnosis of brain tumors using confocal microscopy

Photodynamic diagnosis using 5-aminolevulinic acid (5-ALA) is now widely used for neurosurgical resection of brain tumors. Distinguishing a tumor from healthy tissue is based on greater 5-ALA-derived protoporphyrin IX accumulation in glioma cells than in non-cancerous cells. For more details, click on the below link

https://www.eurekalert.org/pub_releases/2019-04/ku-bsa041119.php

3. Electrical Stimulation Makes Old Brains Act Young Again

A short session of brain zapping can reverse some of the effects of aging in older adults, a new study suggests. The technique isn't ready for non-experimental use yet, and it's not clear how long the benefits last. For more details, click on the below link

<https://www.livescience.com/65177-electrical-stimulation-brain-memory.html>

4. Biologists uncover new rules for cellular decision-making in genetics

A team of biologists has uncovered new rules that cells use in making decisions about which genes they activate and under what conditions, findings that add to our understanding of how gene variants affect human traits. For more details, click on the below link

<https://www.sciencedaily.com/releases/2019/04/190411131548.htm>

5. Cancer: Scientists find 129 'jumping genes' that drive tumor growth

In cancer research, scientists usually look for cancer genes by scouring the genome for altered sequences or mutations in DNA. But a new study has now revealed that jumping genes, which customary sequencing overlooks, are also important drivers of tumor growth. For more details, click on the below link

<https://www.medicalnewstoday.com/articles/324936.php>

6. Bio photonic therapy eliminates bacteria and viruses from organs before transplantation

Method developed by scientists in Brazil and Canada can prevent transmission of diseases to organ recipients; the number of transplants could be higher if organs could be decontaminated. For more details, click on the below link

https://www.eurekalert.org/pub_releases/2019-04/fda-bte041119.php



E- CAS (Current Awareness Service)

Monday Morning team

Library & Information Division

ICMR-Regional Medical Research Centre

Bhubaneswar- 751023, ODISHA,

E- Mail: drbsahoo@gmail.com, Tel: 9438182087