

# PRABHA IAS IPS COACHING ACADEMY



## DAILY DOSE

### CURRENT AFFAIRS – 15/04/2026

#### 1. Green Pill Millipede (*Arthrospira lutescens*)

**Recent** - A study revealed that the green pill millipede shares the self-cleaning mechanism of lotus leaves.

Green pill millipede is a forest-dwelling arthropod endemic to the Western Ghats.

It has a green polished exoskeleton, often marked with narrow yellow and black bands.

The hydrophobic properties of its exoskeleton allow it to repel water and remain clean and glossy.

#### 2. Cyber Security Awareness Training Programme ‘e-SafeHER’:

**Recent** - Centre for Development of Advanced Computing (C-DAC) Hyderabad and Reliance Foundation launched e-SafeHER, a Cyber Security Awareness Training programme.

The programme operates under the Information Security Education and Awareness (ISEA) framework with content support from C-DAC.

ISEA Framework is a flagship initiative of the Ministry of Electronics and Information Technology (MeitY) to build capacity, train professionals, and promote nationwide information security awareness.

#### 3. SARAL AI:

**Recent** - Anusandhan National Research Foundation (ANRF) is developing SARAL AI for wider public access to scientific knowledge.

# PRABHA IAS IPS COACHING ACADEMY

ANRF is India's apex research coordination body, established under the ANRF Act, 2023, to foster a culture of research and innovation nationwide.

SARAL (Simplified and Automated Research Amplification and Learning) is an AI-powered platform that converts complex research publications into simplified content.

Objective: To bridge the gap between laboratory research and citizens by presenting scientific findings in simple, accessible formats.

## 4. Glufosinate:

**Recent** - Directorate General of Foreign Trade (DGFT) imposed six-month price-based import curbs on Glufosinate and its salts.

Glufosinate is a broad-spectrum, non-selective contact herbicide used to control annual and perennial agricultural weeds.

It inhibits glutamine synthetase, crucial for nitrogen metabolism, causing ammonia buildup and rapid plant-cell death.

It serves as an alternative to glyphosate in integrated weed management for resistant weed populations.

## 5. Whole Exome Sequencing:

**Recent** - An international team of scientists used Whole Exome Sequencing (WES) to discover a new rare genetic disease.

WES is a genome-sequencing technique that sequences only exons—protein-coding regions of the human genome.

**Key Benefits:** It is a cost-effective, rapid diagnostic tool for rare diseases, using a targeted approach.

**Key Limitations:** It cannot detect large structural variations or mutations in non-coding regions.

# **PRABHA IAS IPS COACHING ACADEMY**

Application: WES supports precision medicine by identifying mutations for personalised treatment and for pharmacogenomics.

PRABHA IAS ACADEMY