

EVERYDAY CURRENT AFFAIRS – JANUARY 06, 2024

SCIENCE, TECHNOLOGY & ENVIRONMENT

- **Engineered Plant Cells To Produce Drug For Cancer**
- ✓ Researchers from the prestigious Indian Institutes of Technology (IIT) Madras and Mandi have successfully metabolically engineered plant cells to boost the production of the anti-cancer drug camptothecin (CPT).



- ✓ CPT, traditionally extracted from the endangered plant *Nathapodytes nimmoniana*, has been a source of concern due to the plant's declining population. The International Union for Conservation of Nature has red-listed this species, noting a 20% decrease in its population in the past decade.
- ✓ This development by IIT researchers comes as a critical solution to both medicinal production and plant conservation.

RANKING

- **Chennai topped in 'Top Cities for Women in India 2023' Index**
- ✓ 'Top Cities for Women in India 2023' has been released by the Avatar group, based on a City Inclusion Score (CIS).



- ✓ The CIS, out of 100, is the aggregate of the Industrial Inclusion Score (IIS) and Social Inclusion Score (SIS).
- ✓ Chennai, Bengaluru, Pune, Mumbai, and Hyderabad emerged as the Top 5 Cities for Women in India.

IMPORTANT DAYS

- **World Day Of War Orphans – January 06**
- ✓ On January 6, 2024, the world will observe the World Day of War Orphans, a day dedicated to highlighting the struggles and needs of the most vulnerable victims of war – the children.



- ✓ This day comes amidst ongoing global conflicts, serving as a poignant reminder of the deep and lasting impact war has on the lives of innocent children.
- ✓ This year, World Day of War Orphans is marked with two powerful themes: “Orphan Lives Matter” and “Standing Up for War-Affected Children.” These themes are a clarion call for global attention and action to support and protect war-affected children.

