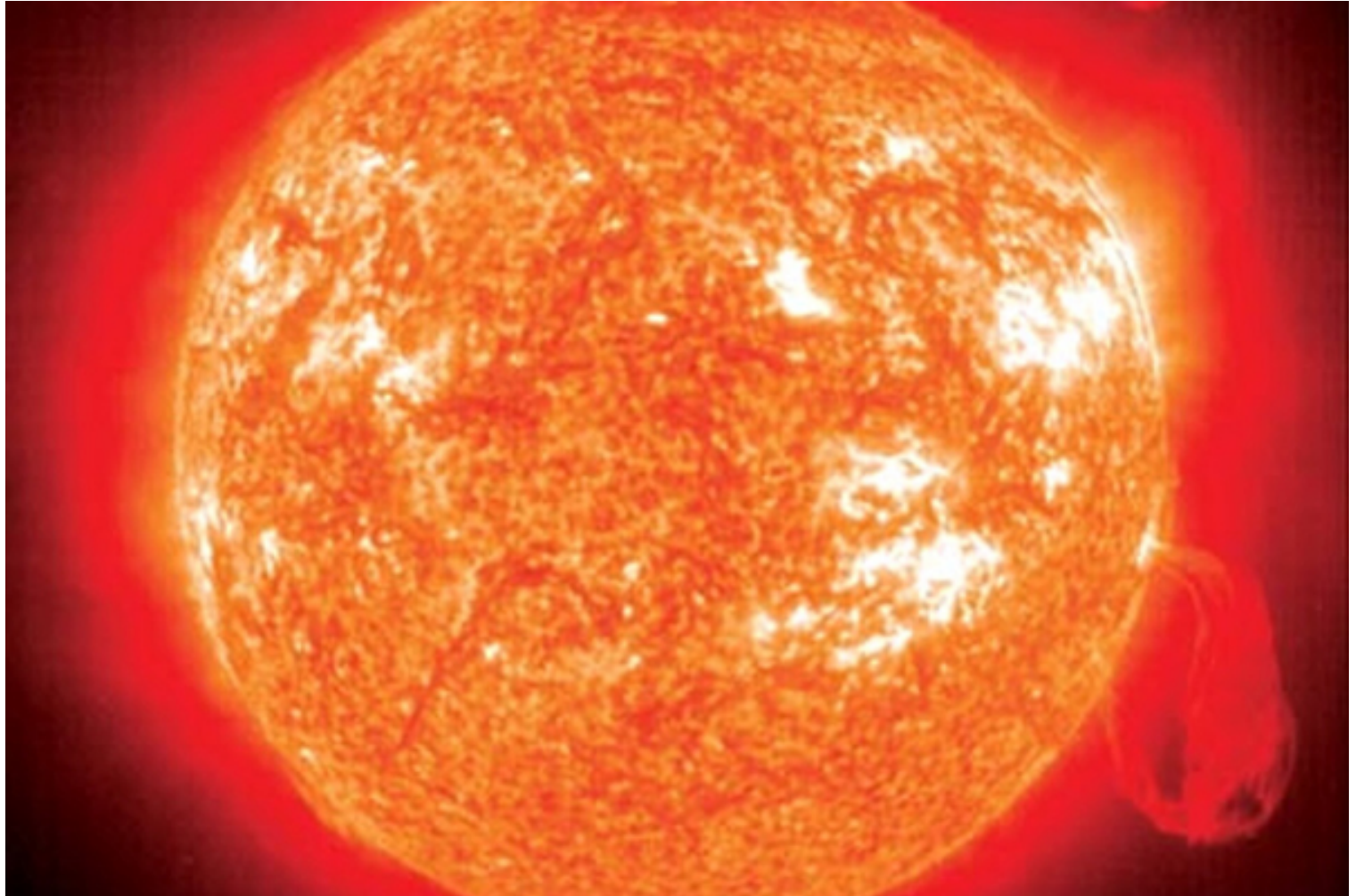


Solar Ultraviolet Imaging Telescope (SUIT)

By IASToppers | 2023-06-20 15:55:00



Solar Ultraviolet Imaging Telescope (SUIT)

The **Solar Ultraviolet Imaging Telescope (SUIT)** has recently been delivered to the Indian Space Research Organisation (ISRO).



[ref-indian express]

About the Solar Ultraviolet Imaging Telescope (SUIT):

- The Solar Ultraviolet Imaging Telescope is a unique **space telescope**.
- The Solar Ultraviolet Imaging Telescope is developed by Pune's **Inter-University Center for Astronomy and Astrophysics (IUCAA)**.
- The Solar Ultraviolet Imaging Telescope will be integrated with the **ADITYA-L1 mission**.
 - **ADITYA-L1 mission** will be launched in mid-August this year.
- The Solar Ultraviolet Imaging Telescope will help to **record images** in the **wavelength** crucial for maintaining the **Ozone** and **Oxygen content** in the **atmosphere** of the Earth.
- SUIT will also measure the **UV radiation hazardous** for **skin cancer**.

Significance of the Solar Ultraviolet Imaging Telescope:

- The Solar Ultraviolet Imaging Telescope will address questions such as the **existence** of a **higher temperature** atmosphere above the **cooler surface** of the Sun and the **origin** and variation of **near-ultraviolet radiation** and **high-energy solar flares**.
- The Solar Ultraviolet Imaging Telescope will enable measurement of **solar radiation** from **Hard X-ray** to **Infrared** and **in-situ measurements** of particles in the **solar wind**, including the Sun's **magnetic field** at the **L1 point**.