



World's First Wooden Satellite

[Source: TH](#)

Japanese researchers have built the world's first wooden satellite, **LignoSat**, crafted from **magnolia wood**, with each side measuring merely 10 centimetres.

- The satellite will be launched on a [SpaceX rocket](#) from the **Kennedy Space Center** in September 2024 to the [International Space Station \(ISS\)](#), where it will be deployed from the **Japanese ISS experiment module** to assess its **strength and durability**.
- Researchers believe the wooden material of the device will completely burn up when it re-enters the atmosphere, **preventing** the creation of **harmful metal particles** that can affect the environment and telecommunications when a satellite is retired.
- In another development, a rocket launched from California by the [European Space Agency \(ESA\)](#) and **JAXA** carried the **EarthCARE satellite**, which will orbit 400 kilometres above Earth for three years to study how **clouds affect climate change**.

Read more: [ISRO's new NavIC Satellite NVS-01](#)

PDF Reference URL: <https://www.drishtiias.com/printpdf/world-s-first-wooden-satellite>

