



## Rapid Fire Current Affairs

### Purification System to Filter Out Microplastics

Recently, Scientists from **South Korea have developed a new water purification system that can quickly and efficiently filter out [microplastics](#)**. In an experiment, over 99.9% of contaminants were taken out of the water in just 10 seconds.

The **polymer used is relatively inexpensive with excellent adsorption performance** and good photothermal properties.

Microplastics are **defined as plastics less than five millimeters in diameter**—smaller in diameter than the standard pearl used in jewelry. It can be harmful to our ocean and aquatic life.

**Read More:** [Microplastics](#)

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### Mannathu Padmanabhan

The Prime Minister has paid tributes to Sri Mannathu Padmanabhan on his birth anniversary. He was **born on 2<sup>nd</sup> January 1878 in Kerala**. He was an Indian **social reformer and freedom fighter** from the southwestern state of Kerala.

He **took part in the Vaikom (1924) and Guruvayoor (1924) temple-entry [Satyagrahas](#) and the [anti-untouchability](#) agitations**. He is regarded as the reformer and **moral guide of the members of the Nair community**. He received **[Padma Bhushan](#)** in 1966. He died on 25th February 1970.

**Read More:** [Mannathu Padmanabhan](#)

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### Sari Festival VIRAAASAT

The second phase of the Sari Festival “VIRAAASAT”- **Celebrating 75 handwoven Saris of India organised by the Ministry of Textiles** will held from 3<sup>rd</sup> to 17<sup>th</sup> January 2023 in New Delhi.

Saris	State
Banarasi	Uttar Pradesh
Paithani	Maharashtra
Kanjeevaram	Tamil Nadu
Kasavu	Kerala
Jamdani	West Bengal
Bandhani	Gujarat
Muga	Assam
Phulkari	Punjab
Kalamkari	Rajasthan

**Read More:** [India's Textile Sector, GI Tagged Saris](#)

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## DRDO Foundation Day

Recently, **Defence Research and Development Organisation (DRDO)** celebrated the **65th Foundation Day on 1<sup>st</sup> January 2023**.

DRDO was **formed in 1958** from the amalgamation of the Technical Development Establishment (TDEs) of the Indian Army and the Directorate of Technical Development & Production (DTDP) with the Defence Science Organisation (DSO).

It is a **network of more than 50 laboratories that are deeply engaged in developing defence technologies** covering various disciplines, like aeronautics, armaments, electronics, combat vehicles, engineering systems etc. **Recent Developments** - [Extreme Cold Weather Clothing System \(ECWCS\)](#), ['Pralay'](#), [Controlled Aerial Delivery System](#), etc.

**Read More:** [DRDO](#)

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