



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](#)

Mannathu Padmanabhan

The Prime Minister has paid tributes to Sri Mannathu Padmanabhan on his birth anniversary. He was **born on 2nd 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](#)

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 3rd to 17th 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](#)

DRDO Foundation Day

Recently, **Defence Research and Development Organisation (DRDO)** celebrated the **65th Foundation Day** on **1st 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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