17 Mar 2023

Advancing water treatment for sustainable future

Billions of people around the word, especially those in developing regions, do not have access to clean water for drinking, hygiene and sanitation.

To address the water challenges faced by communities and countries around the world, researchers from NTU are developing innovations to purify water, as well as to treat wastewater effectively.

They include a low-cost way to filter toxic heavy metals from water using plant waste; a bio-sand filter system for removing arsenic from groundwater; new membranes that reduce the energy used during desalination; 3D-printed membrane that can filter wastewater more quickly; and a new method to remove phosphorus from wastewater that works at higher temperatures than those for current processes.

https://www.miragenews.com/advancing-water-treatment-for-sustainable-future-968755/