

## Paper Coating Enables World's First Water Filter for Pennies

**M**ore than 2 billion people don't have access to clean drinking water. As the leading cause of hospitalization in emerging countries, germs in drinking water account for 1.2 million deaths every year. The world needs a solution to achieve U.N. Sustainable Development Goal 6.1: universal access to safe and affordable drinking water for all. But existing solutions are neither affordable nor accessible to the people who need them the most.

osmosis, graphene, bromine resins, copper or silver materials, and other

manufacture. The resulting consumer products are sold for \$40–\$300, a price point that is too costly for low-income consumers in emerging markets. According to a Folia consumer survey, only 10% of these consumers are willing or able to pay \$40 for a

buy consumer health staples like soap and toothpaste, and collectively spend