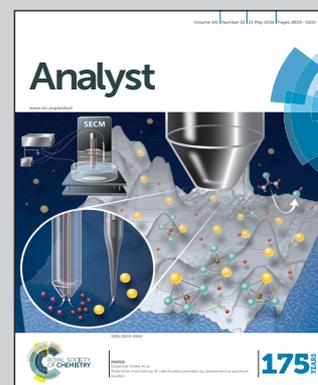


Showcasing a recent innovation in water quality monitoring by Dr. Sushanta K. Mitra and his team at the Micro & Nanoscale Transport Laboratory, York University, Canada - partner in Innovation York's spin-off Glacierclean Technologies Inc.

A hydrogel based rapid test method for detection of *Escherichia coli* (*E. coli*) in contaminated water samples

Mitra and his team have developed a novel *E. coli* detection tool for potable water using a porous hydrogel matrix to cage specific enzymatic substrates and two other reagents, the matrix was incorporated inside a plunger-tube assembly as an integrated platform for pre-concentration and detection. This is a significant improvement over their previous breakthrough on water quality monitoring - the Mobile Water Kit (MWK).

As featured in:



See Sushanta K. Mitra et al. *Analyst*, 2016, 141, 2920.



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