

Separation of zinc oxide nanoparticles in water stream by membrane filtration

SUPPLEMENTARY INFORMATION

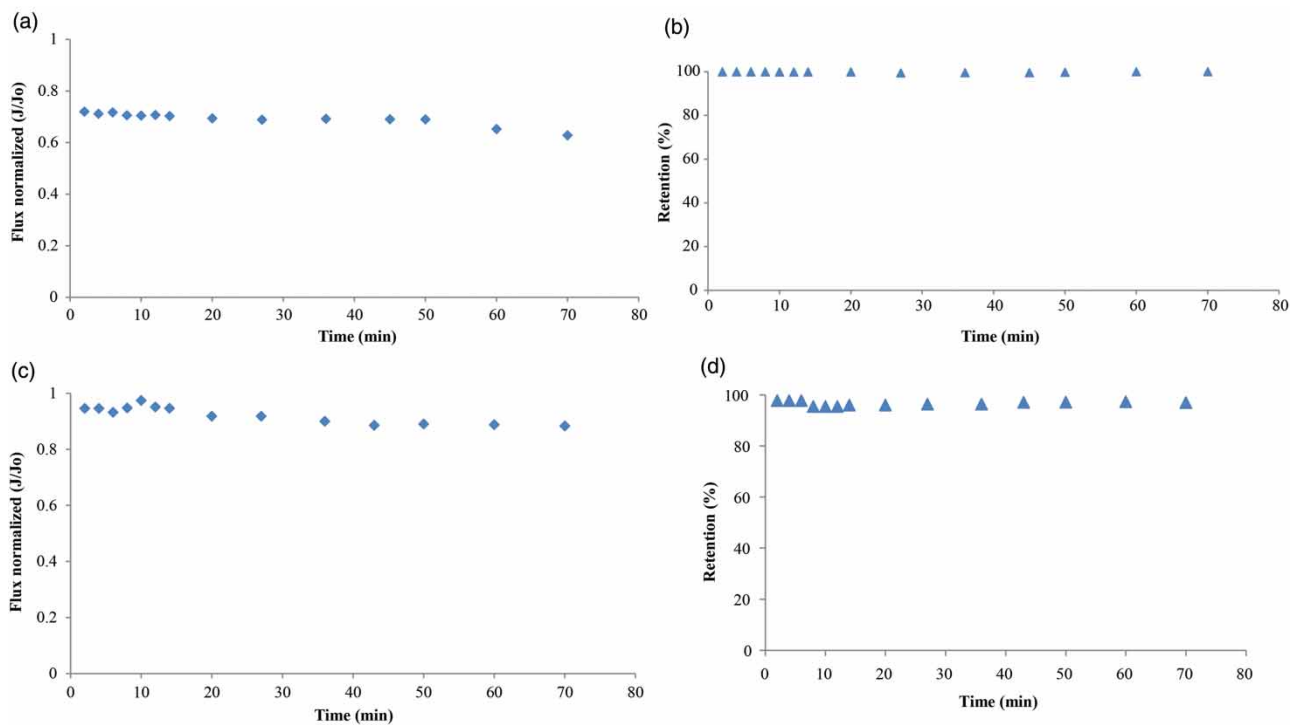


Figure S1 | Flux and ZnO retention (10 mg/L): (a) flux of River Yamuna water, (b) retention of River Yamuna water, (c) flux of Sahastradhara spring water, (d) retention of Sahastradhara spring water.

Table S1 | Physicochemical characteristics of River Yamuna water and spring water from Sahastradhara

Parameter	Yamuna	Sahastradhara
pH	7.23	7.19
Conductivity ($\mu\text{S}/\text{cm}$)	$1,250 \pm 5$	$1,875 \pm 10$
TDS (mg/L)	675 ± 10.2	975 ± 5
HCO_3^- (as CaCO_3 mg/L)	300 ± 9.8	460 ± 10.1
SO_4^{2-} (mg/L)	98.96 ± 3.7	$1,000 \pm 15.6$
TOC ($\mu\text{g}/\text{L}$)	300 ± 21	70 ± 3.2
DOC ($\mu\text{g}/\text{L}$)	73.5 ± 0.6	12.67 ± 0.33