

**Mixed monolayers of a photosensitive crown-ether derivative
and a polymer as the prototype of sensing nanomaterials**

Sergei Yu. Zaitsev, Daria O. Solovyeva, Ilia S. Zaitsev and Marina S. Tsarkova

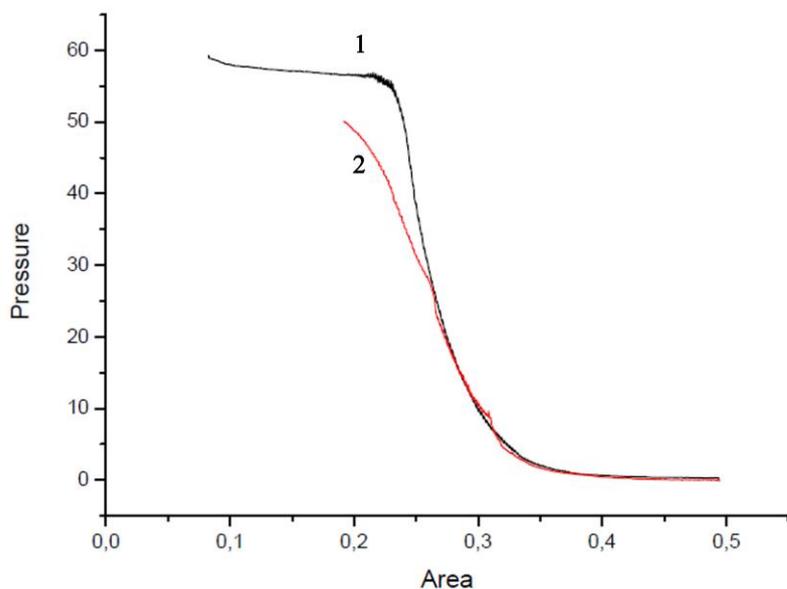


Figure S1 Surface pressure isotherms vs. area per molecule in the monolayer of the poly(vinyl stearate) on the 10^{-5} M cadmium perchlorate (1) and bidistilled water (2).

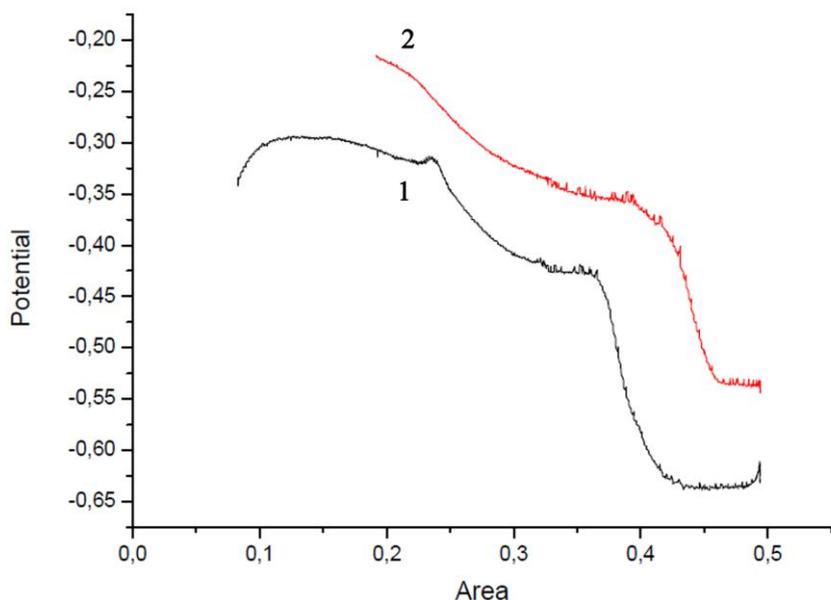


Figure S2 Surface potential isotherms vs. area per molecule in the monolayer of the poly(vinyl stearate) on the 10^{-5} M cadmium perchlorate (1) and bidistilled water (2).

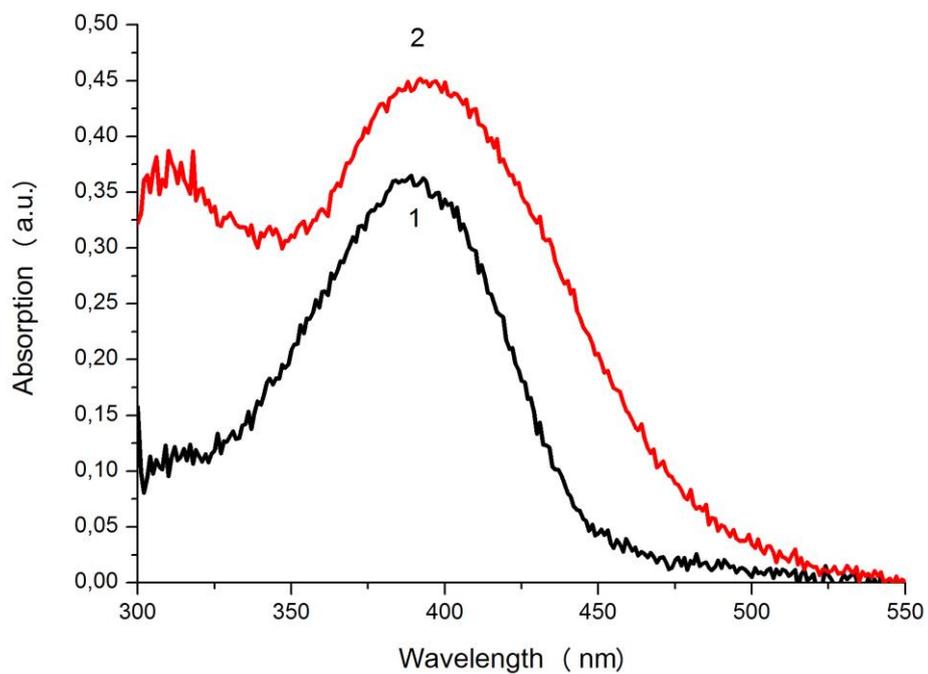


Figure S3 Absorption spectra of the DTCE:PVS monolayer on the aqueous solutions of the following salts: $\text{Hg}(\text{ClO}_4)_2$ (1) and $\text{Cd}(\text{ClO}_4)_2$ (2), 20°C .