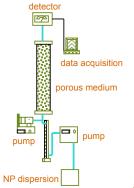
Predicting deposition of NPs Coated with organic macromolecules

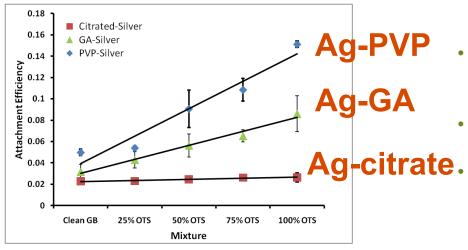
Shihong Lin, Jee Eun Song, Malai Ramamoorthy, Stella Marinakos, Mark

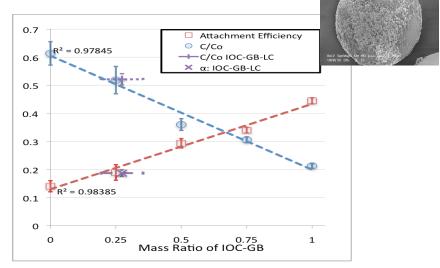
Wiesner, Gregory Lowry, Kim Jones, Jie Liu



NP Hydrophobicity
Ag-PVP>Ag-GA>>Ag-citrate

OTS (hydrophobic) sand





- Deposition of PVP-coated Ag NPs to Fe-oxide surfaces and hydrophobic surfaces increases linearly with increasing amount of that surface
- More hydrophobic coatings deposit greater onto hydrophobic surfaces
- Models using linear combinations of environmental surfaces may be possible to describe distribution of ENPs in the environment.

