

# Accepted Manuscript

Chemically immobilized and physically adsorbed PAN/acetylacetone modified mesoporous silica for the recovery of rare earth elements from the waste water-comparative and optimization study

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PII: S0043-1354(17)30134-3

DOI: [10.1016/j.watres.2017.02.045](https://doi.org/10.1016/j.watres.2017.02.045)

Reference: WR 12714

To appear in: *Water Research*

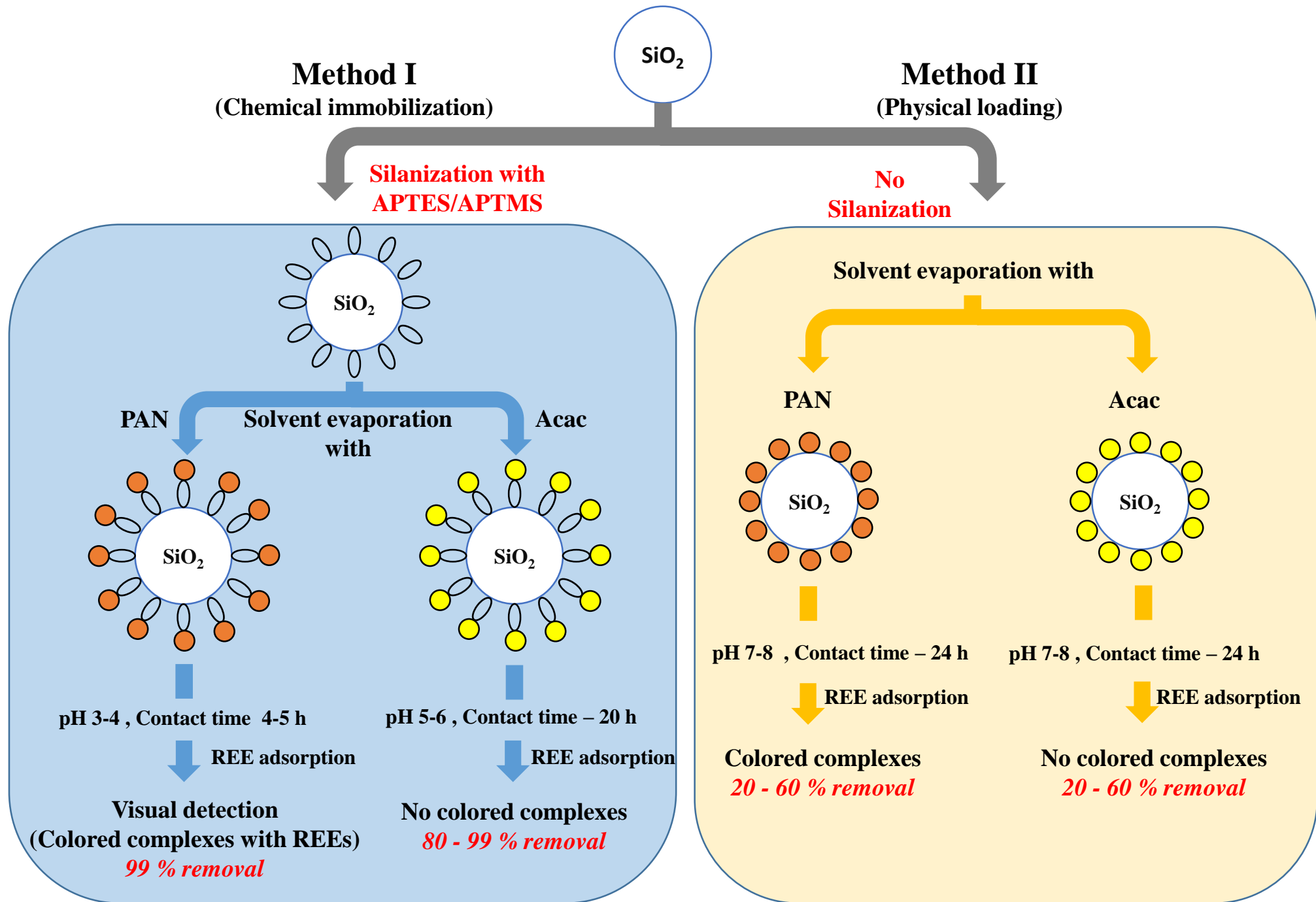
Received Date: 24 November 2016

Revised Date: 16 February 2017

Accepted Date: 18 February 2017

Please cite this article as: Lakshmi Ramasamy, D., Repo, E., Srivastava, V., Sillanpää, M., Chemically immobilized and physically adsorbed PAN/acetylacetone modified mesoporous silica for the recovery of rare earth elements from the waste water-comparative and optimization study, *Water Research* (2017), doi: 10.1016/j.watres.2017.02.045.

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