Supplementary/Supporting Information for

Arginine functionalized magnetic nano-sorbent for simultaneous removal of three metal ions from water samples

Renu Verma¹, Anupama Asthana¹, Ajaya Kumar Singh¹*, Surendra Prasad²*

¹Department of Chemistry, Government V.Y.T. Postgraduate Autonomous College, Durg, Chhattisgarh 491001, India

²School of Biological and Chemical Sciences, Faculty of Science, Technology and Environment, The University of the South Pacific, Private Mail Bag, Suva, Fiji

Corresponding Authors:
*¹Tel: +91-9406207572; fax: +91-788-2211688
*²Tel.: +679-3232416; fax: +679-2321512
E-mail addresses: prasad_su@usp.ac.fj (S. Prasad) ajayaksingh_au@yahoo.co.in (A.K. Singh)

Fig. 1S. FTIR spectra of arginine functionalized magnetic nanoparticles and arginine functionalized magnetic nanoparticle entrapped chitosan beads.
**Fig. 2S.** Dynamic light scattering (DLS) analysis for the size distribution of MNPs and AFMNPs.
**Fig. 2S.** N$_2$ adsorption (open)/desorption (filled) isotherms at 77 K for (a) AFMNPECBs and (b) Pore size distribution of AFMNPECBs.

**Fig. 4S.** Thermogravimetric analysis of MNPs, AFMNPs and AFMNPECBs upto temperature range 550°C.