Electronic Supplementary Material (ESI) for Soft Matter. This journal is © The Royal Society of Chemistry 2017

Supplementary information for

Pure magnetite hydrogel: synthesis, properties and possible applications

Elizaveta I. Anastasova, Anna F. Fakhardo, Artem I. Lepeshkin, Vladimir Ivanovski, Suheir Omar, Andrey S. Drozdov*, and Vladimir V. Vinogradov*a

^aLaboratory of Solution Chemistry of Advanced Materials and Technologies, ITMO University, Saint-Petersburg, 197101, Russian Federation.

e-mail: vinogradov@scamt.ru

^bChair of Applied Biotechnology, ITMO University, Saint-Petersburg, 197101, Russian Federation

^cFaculty of Natural Sciences and Mathematics, Institute of Chemistry, Ss. Cyril and

Methodius University in Skopje, Skopje, 1000, Republic of Macedonia

^dInstitute of Chemistry, Casali Center for Applied Chemistry and Center for Nanoscience and Nanotechnology, The Hebrew University of Jerusalem, Jerusalem, 91904, Israel

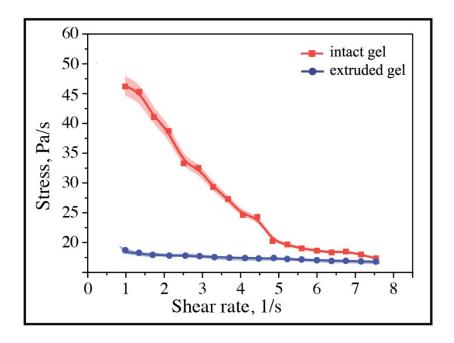


Figure 1S. Rheological parameters of intact ferria gel and ferria gel extruded with syringe

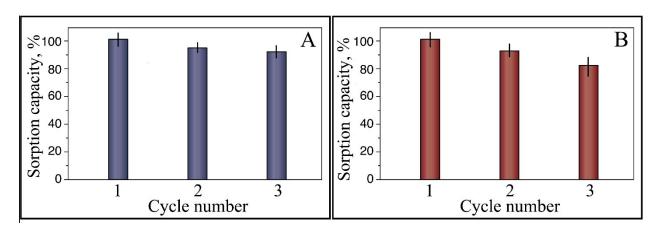


Figure 2S. Reusability of ferria gel for heavy metal ions adsorption. Adsorption of Cr^{6+} (A) and Pb^{2+} ions after gel regeneration