

Supplementary Material for

A simple and rapid technique for the determination of copper based on air-assisted liquid-liquid microextraction and image colorimetric analysis

Leila Khoshmaram^{a*}, Masoud Saadati^b, Ali Karimi^a

^a Department of Chemistry, Faculty of Sciences, Azarbaijan Shahid Madani University, Tabriz,

Iran

^b Department of Science, Farhangian University, Tabriz, Iran

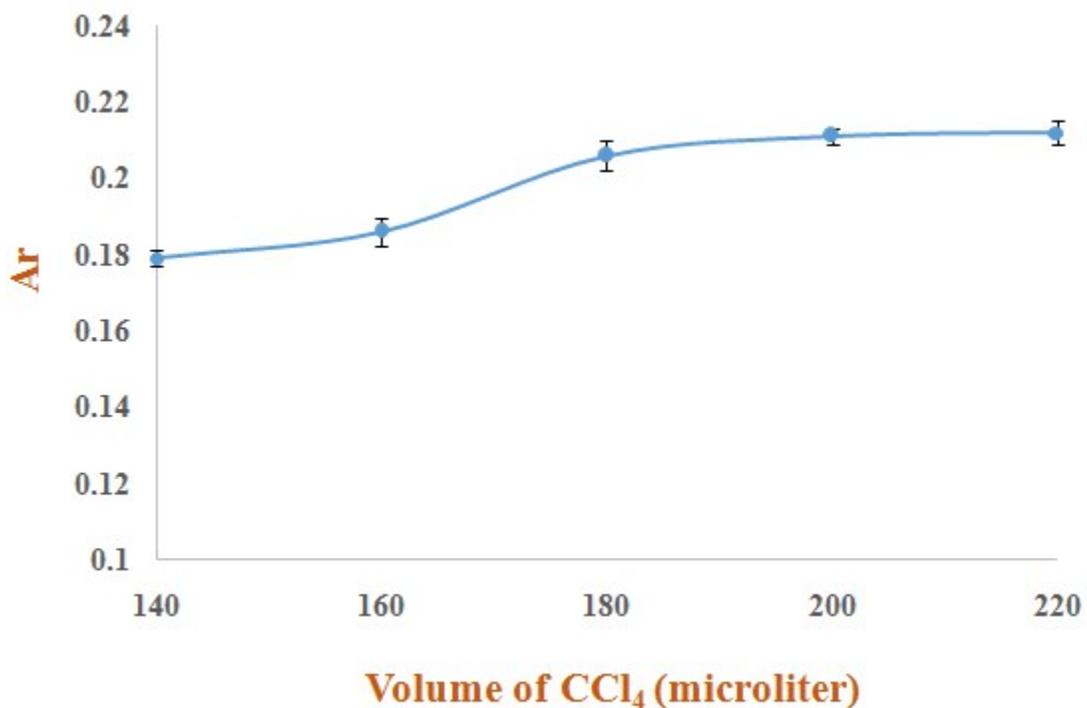


Fig. 1s. Effect of extraction solvent volume on the extraction efficiency. Extraction conditions: the same as Fig. 2.

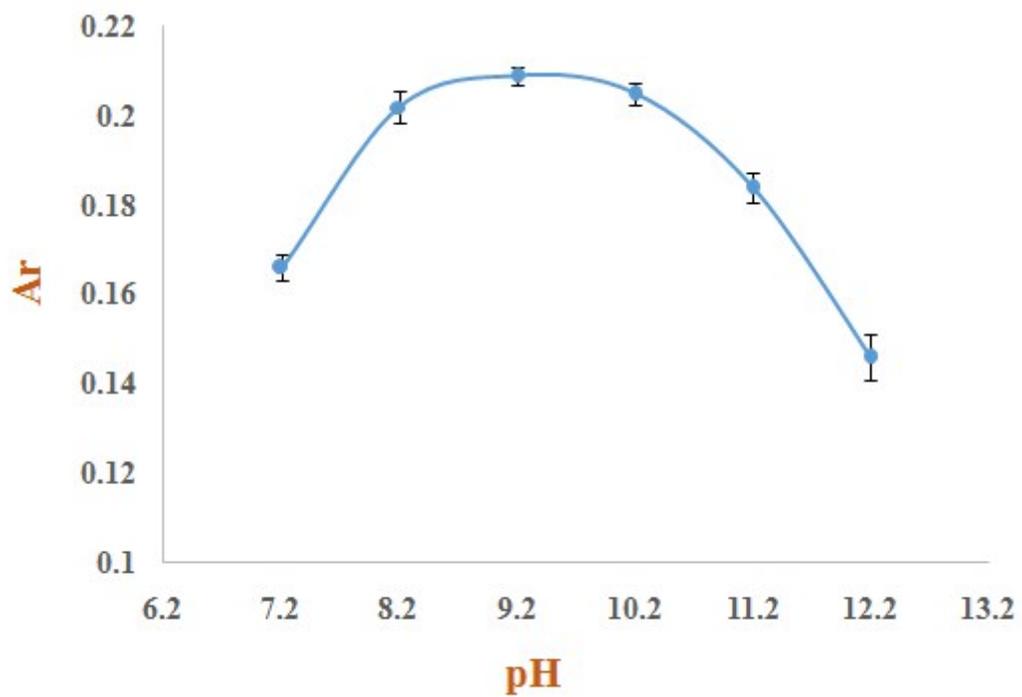


Fig. 2s. Effect of pH on the extraction efficiency. Extraction conditions: DDTC, 0.4% (w/v); Other conditions are the same as Fig. 3.

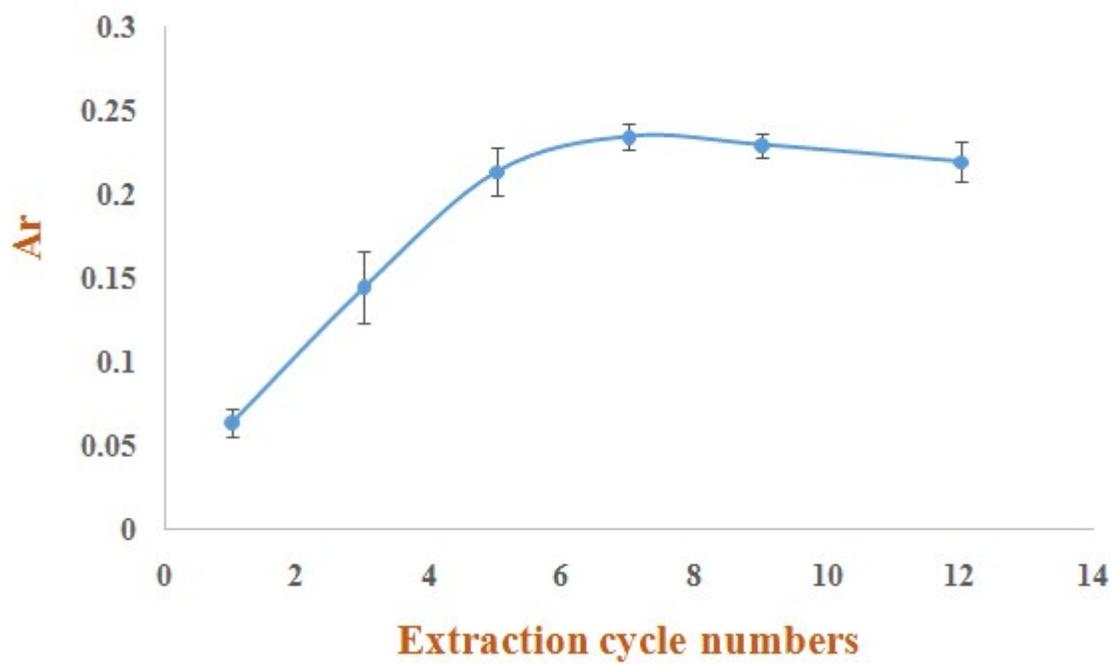


Fig. 3s. Effect of extraction cycle numbers on the extraction efficiency. Extraction conditions: extraction solvent, 200 μL CCl_4 ; reaction time, 5 min; Other conditions are the same as Fig. 2.

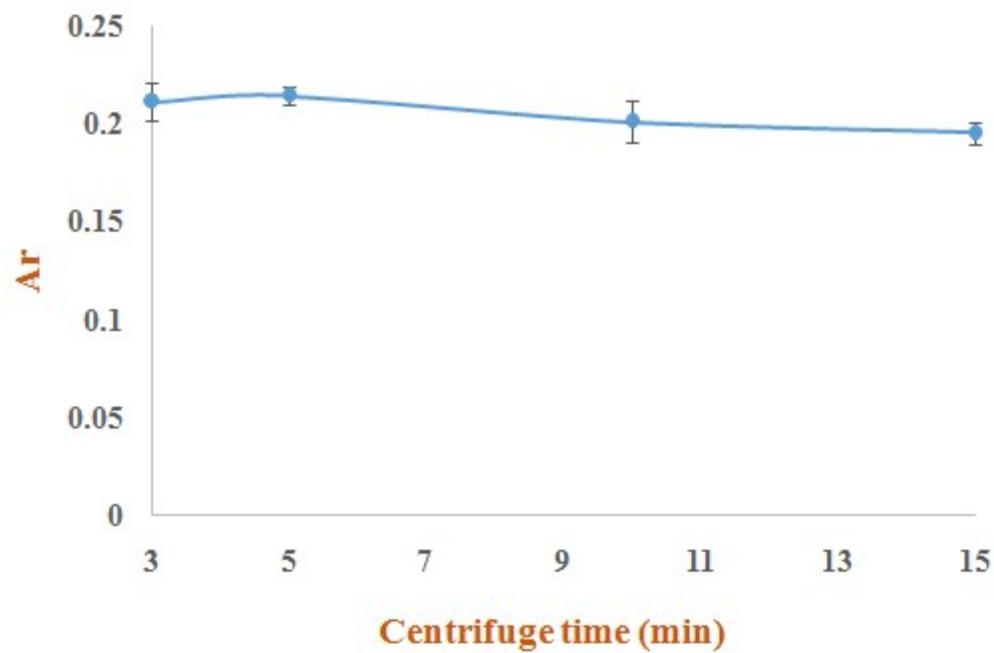


Fig. 4s. Effect of centrifuge time on the extraction efficiency. Extraction conditions: extraction solvent, 200 μL CCl_4 ; DDTC, 0.4% (w/v); pH, 9.2; NaCl, 5% (w/v); reaction time, 5 min; extraction cycle numbers, 7; and centrifuging speed, 3000 rpm.

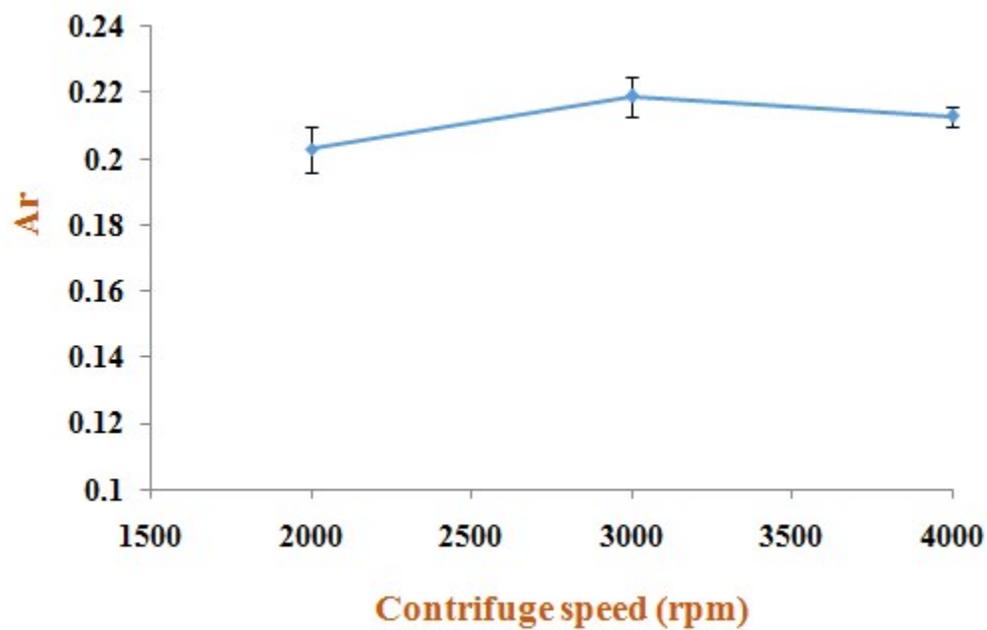


Fig. 5s. Effect of centrifuge speed on the extraction efficiency. Extraction conditions: centrifuging time, 5 min; Other conditions are the same as Fig. 4s.