

Supplementary Data

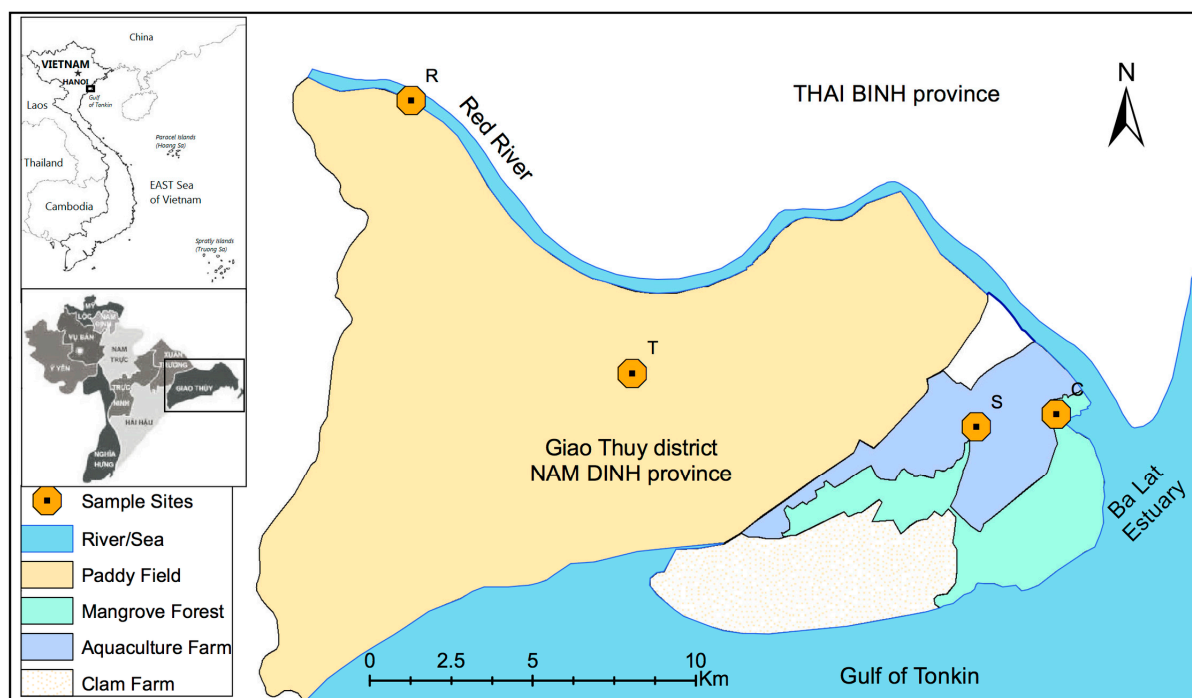


Figure S1. Study area and sample sites in Ba-Lat estuary, Vietnam (R: River sediment, C: Mangrove forest soil, T: Paddy soil, S: Aquaculture sediment).

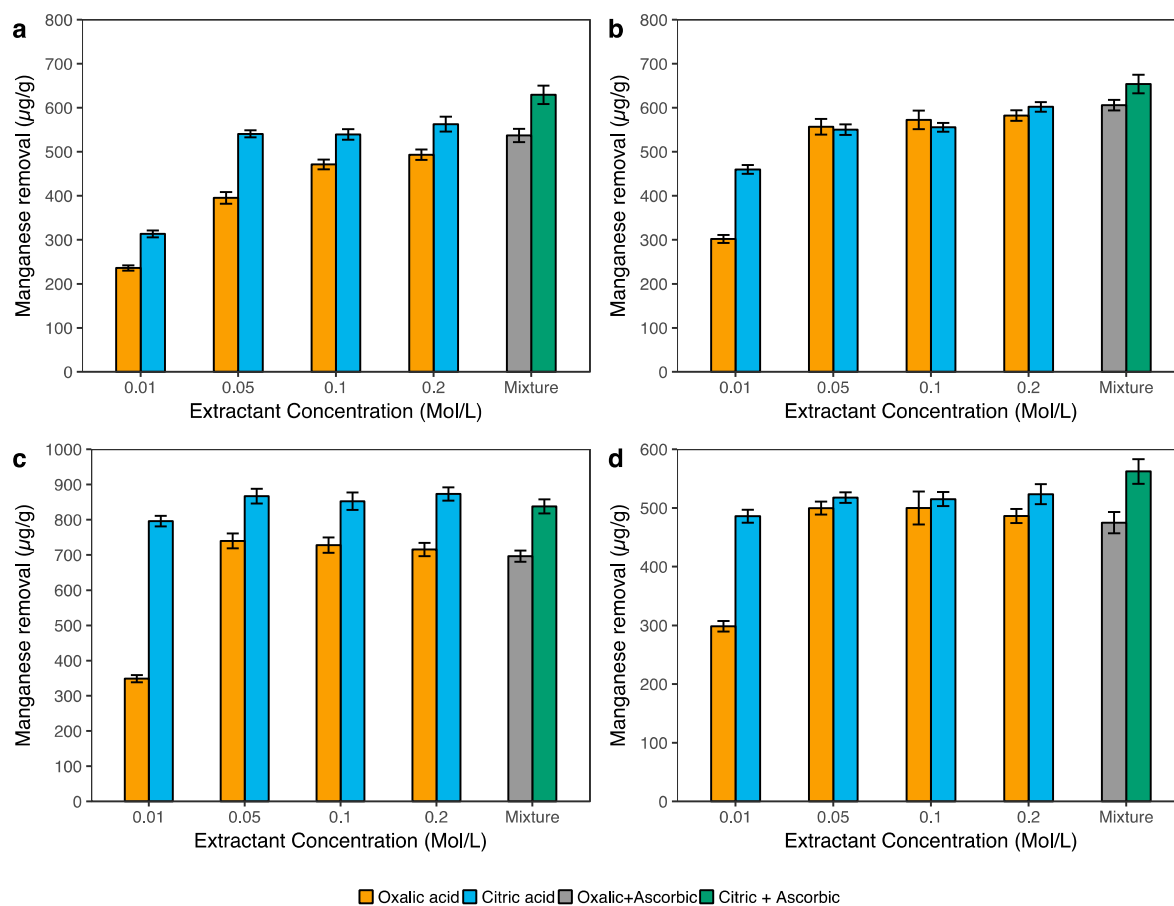


Figure S2. Extracted manganese under the effect of oxalic and citric acid in various concentrations (from 0.1 M to 0.2 M), and the combination of 0.1 M ascorbic with 0.2 M oxalic acid, and the combination of 0.1 M ascorbic with 0.2 M citric acid in river bed sediment (a), mangrove forest soil (b), paddy soil (c) and aquaculture farm sediment (d).

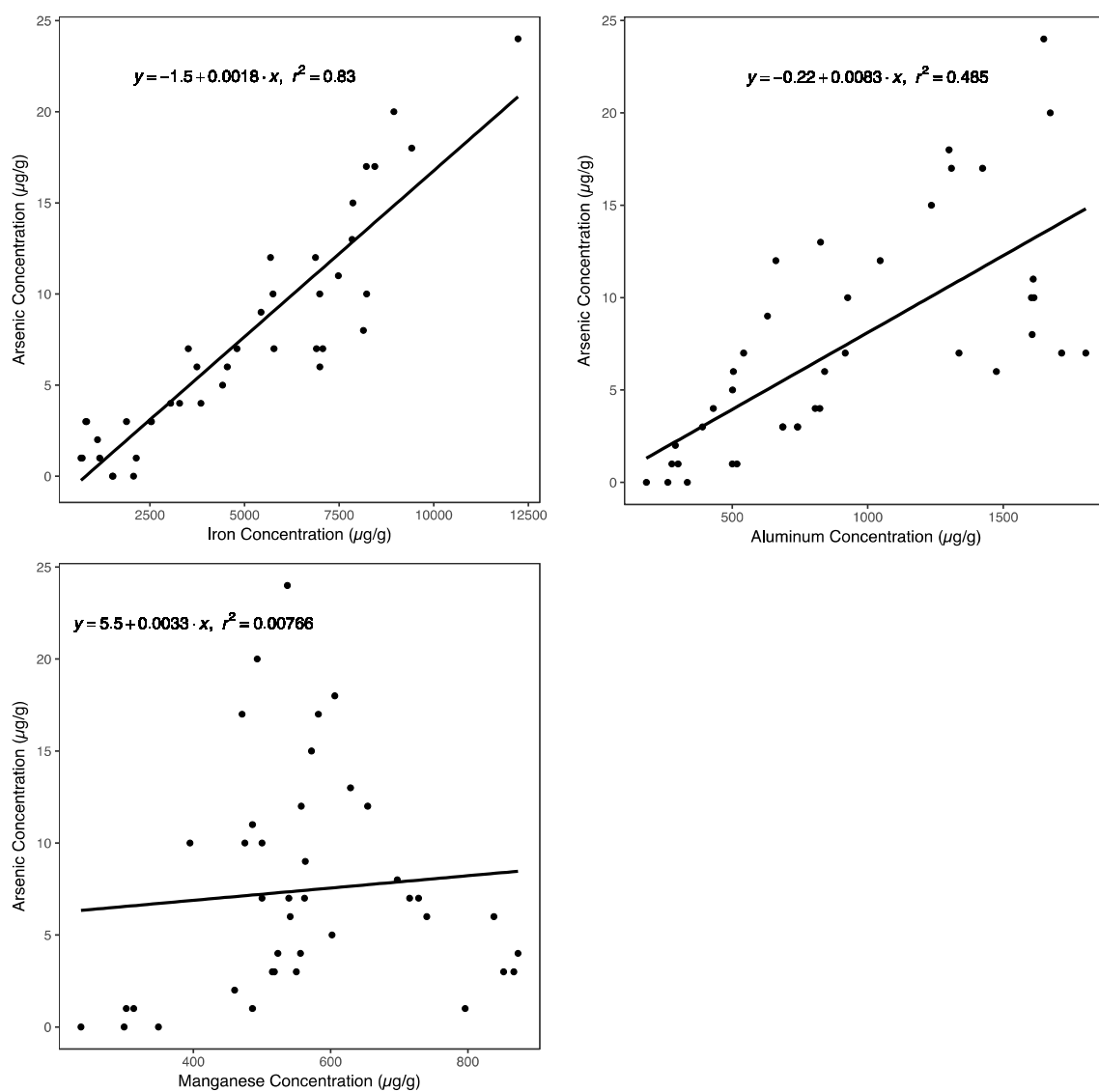


Figure S3. The relationship between extracted arsenic and extracted iron, aluminum and manganese under the effect of oxalic, citric and combination of these acids with ascorbic acid in four soil samples.