Determination of Zinc, Cadmium, Lead, Copper and Silver Using a Carbon Paste Electrode and a Screen Printed Electrode Modified with Chromium(III) Oxide

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Figure S1. Comparison of the influence of the heavy metals detection with the bare electrode compared to the CPE modified with thermally produced Cr2O3. The concentration of individual metals was 800 µg L−1.
Figure S2. Cyclic voltammetry of individual materials. (a) CV for the bare electrode, the range from −1.3 to 0.3 V, (b) CV for the bare electrode, the range from −1.6 to 1.6 V, (c) CV for the Cr-CPE, the range from −1.3 to 0.3 V, (d) CV for the Cr-CPE, the range from −1.6 to 1.6 V, (e) CV for the Cr-SPE, the range from −1.3 to 0.3 V, (f) CV for the Cr-SPE, the range from −1.6 to 1.6 V.

Figure S3. The calibration curves for each metals ions Zn(II), Cd(II), Pb(II) and Cu(II), measurement by the Cr-CPE.