**The mathematical model of the adorption of some anions on MnO2**

**Abstract**

Mathematical models were obtained to predict the adsorption of some anions on MnO2 in a leclanche dry cell from interpolated data obtained from preview experimental work. The models obtained were linear, non-linear, and non-linear with interaction. Polymat 3 and FORTRAN-77 programs were used to simulate the models. The divalent ions absorption emerged the best in the study. It had a consistent order of decreasing surface charge from 1M to 0.001M solutions and has the highest R2 . Likewise the R2 of monovalent was 0.47, and 0.49 for combined monovalent and divalent ions.