Supplementary Materials

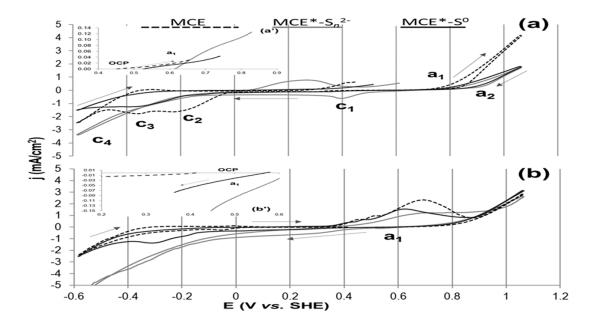


Figure S1: Voltammograms in positive (a) and negative (b) potential sweep of pristine MCE (dotted line), and electrooxidized EMC at 695 mV, MCE*- S_n^{2-} (gray line), and at 915 mV, MCE*- S_n^{3-} (black line), in ATCC-125 medium pH 2. Scan rate: 20 mV/s with stirring; the potential scan was initiated at the OCP.

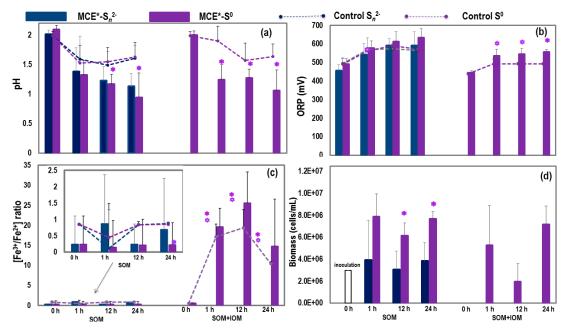


Figure S2: Certain characteristics of the media as electrolyte (after 1, 12 and 24 h of the exposure of MCE*- S_n^2 -(blue) and MCE*- S_n^2 -(blue) and MCE*- S_n^2 -(blue) and MCE*- S_n^2 -(blue) and MCE*- S_n^2 -(c), and biomass of non-attached bacteria (d). Data: Average values (n=3) and standard deviation (error bars). *: Values significantly different from both, controls and surficial SRS ($-S_n^2$ - or $-S_n^2$)