

Review of: "On-Line Monitoring of Minor Oil Spills in Seawater Using Sediment Microbial Fuel Cells: A Preliminary Study"

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Potential competing interests: No potential competing interests to declare.

Abstract looks okay.

Introduction: Needs information from recent publications in the domain, cite more recent articles.

Methods: Section 2.2:

Mention the dimensions of the MFC.

"Of the twenty-one sMFC, 3 of them were designated as the control group and left open circuit, meaning the anode and cathode were left disconnected. All of the sMFC were assembled according to a previous study by Wang et al. (2015)" Rewrite.

"Using 138g dry weight of sediment, ~ 2 cm depth of sediment was placed at the bottom of the sMFC container. Then, the anode was placed on the surface of the sediment layer and buried with additional sediment to replicate anaerobic conditions. The cathode was placed above the sediment in aerobic conditions, fully submerged in seawater. Seawater (200mL) was added to flood the sediment. No external carbon source or electron acceptors were added to the sMFC during the entire operational period" Rewrite.

Results: More discussion from recent articles needed to justify results.

Decision on the Manuscript: Major Revision