

## **Supplementary Information**

### **Digestate of Fecal Sludge Enhances the Tetracycline Removal in Soil Microbial Fuel Cells**

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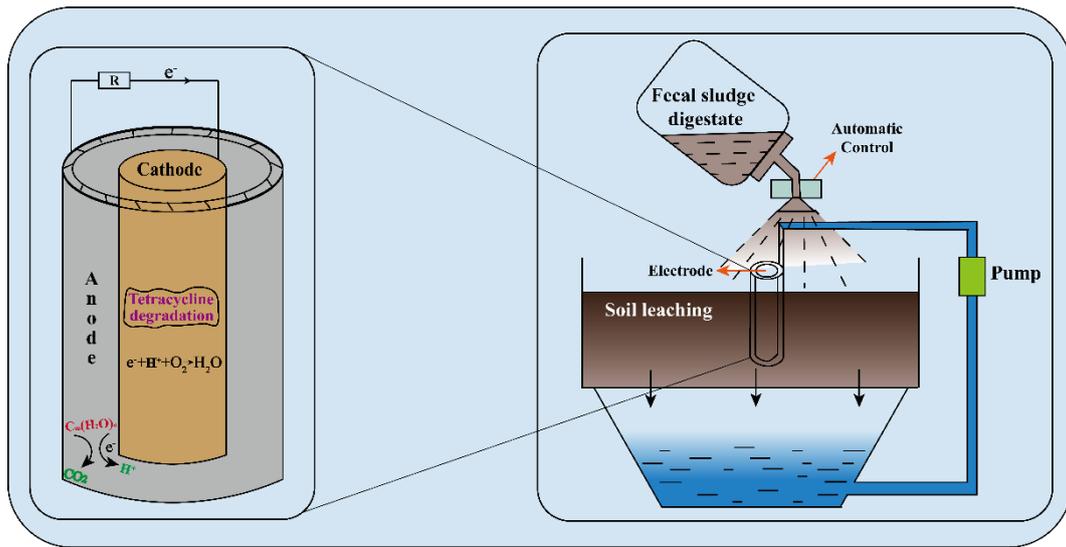
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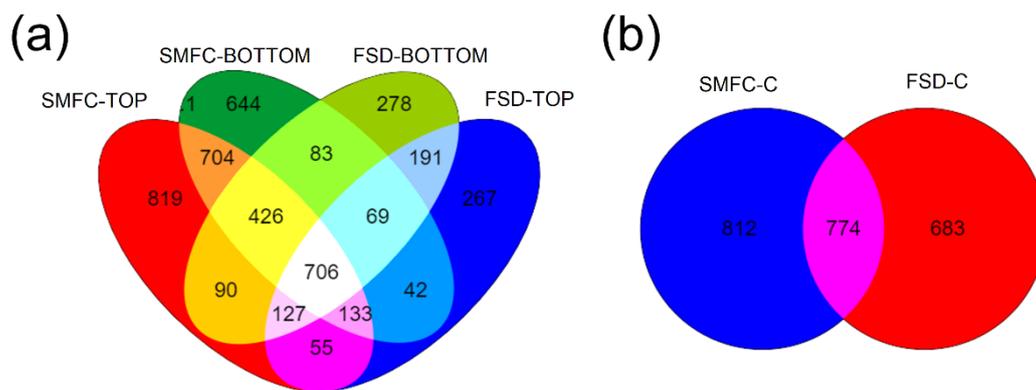
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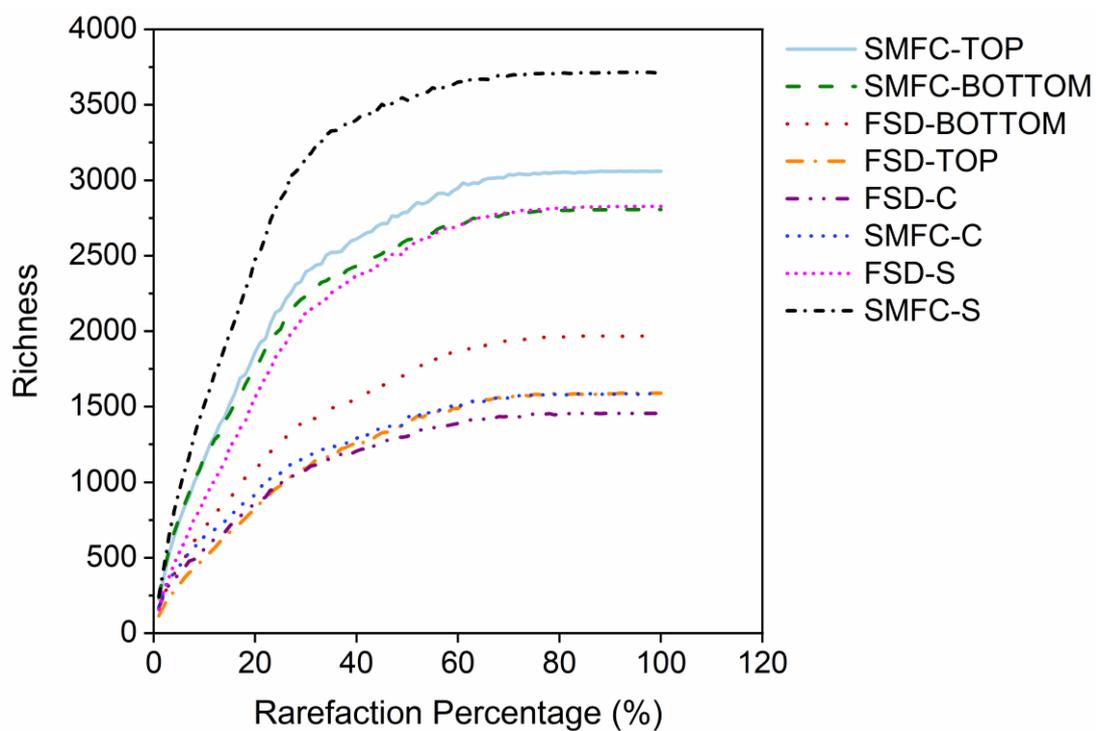
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**Figure S1.** Sketch map of the soil leaching process in this experiment.



**Figure S2.** Venn diagram map based on the shared and unique OTUs of anode (a) and cathode (b) of the SMFC-FSD and SMFC.



**Figure S3.** Rarefaction curves of all the samples in SMFC-FSD and SMFC reactors.

**Table S1.** Basic information of the simulated tetracycline-contaminated soil

Parameter	Value
pH	7.7
Moisture content	83.15%
Electrical conductivity	1325 mS/m
Simulated tetracycline concentration	0.13 mg/kg
C/N ratio	11.79
Cellulose content	0.13 g/g

**Table S2.** Alpha diversity of microbial communities of anode, cathode, and soil samples based on 16S rRNA gene sequencing.

<b>Sample</b>	<b>Observed species</b>	<b>Shannon</b>	<b>Simpson</b>	<b>Chao1</b>
SMFC-TOP	3060	5.71	0.02	3060.32
SMFC-BOTTOM	2807	6.29	0.0054	2807.24
SMFC-C	1586	4.94	0.023	1586.62
SMFC-S	3714	6.76	0.0038	3714.12
FSD-TOP	1590	3.38	0.23	1590.66
FSD-BOTTOM	1970	4.98	0.049	1970.82
FSD-C	1457	4.84	0.024	1586.63
FSD-S	2827	5.26	0.044	2827.31