

Supplementary File

Degradation of hydroquinone coupled with energy generation through microbial fuel cell energized by organic waste

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Table S1. Comparative profile of different organic substrates used in MFC.

Natural organic substrate	Electrode material		Inoculum source	Current density	Reference
	Anode	Cathode			
Sweet potatoes	GO-PANI	Graphite rods	Synthetic wastewater	87.71 mA/m ²	[1]
Oil palm trunk sap	Lg-GO	Graphite rods	Mixed microbial culture	57.01 mA/m ²	[2]
Landfill leachate	Carbon veil	Platinum wirer	Leachate and sludge	3.24±0.17 mA/m ²	[3]
Beer brewery wastewater	Carbon fiber	Graphite rods	Anaerobic mixed consortia	79 mA/m ²	[4]
Macroalgae, Ulva lactuca	Graphite fiber	Graphite fiber	Mixed culture	0.76 mA/m ²	[5]
Oil palm trunk sap	Lg-GO/TiO ₂	Graphite rods	Mixed microbial culture	70.17 mA/m ²	[2]
Malt extract, yeast extract	Graphite rods	Graphite plate	Pure culture of <i>E. cloacae</i>	27.6 mA/m ²	[6]

and glucose						
Glucose	Graphene/ ethylenedioxythiophene)/ carbon paper	Poly(3,4-	Graphite plate	<i>Escherichia coli</i>	3.59 mA/m ²	[7]
Brewery wastewater	Carbon cloth		Carbon cloth	Full strength brewery wastewater	0.76 mA/m ²	[8]
Chocolate industry wastewater	Graphite rods		Graphite rods	Activated sludge	4.1 mA/m ²	[9]
Sweet potatoes	GO		Graphite rods	Synthetic wastewater	24.56mA/m ²	[1]
Acetate	Carbon cloth	nanotubes/carbon	-	Mixed microbial culture	65 mA/m ²	[10]
Rotten rice	Graphite rods		Graphite rods	Mixed microbial culture	123.684 mA/m ²	Present work

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