



Supplementary Materials

Table S1. Physicochemical Indicators of the Wastewater Used in the Study

Indicators	COD	TN	NH ₄ ⁺ -N	TP	PO ₄ ⁻ -P	pH	TS
concentration	232	251.24	50.56	18.06	17.57	6.9	0.078

Table S2. Microbial Alpha-diversity Index Statistics for the Water Samples

Sample Name	Shannon	Simpson	Chao	ACE
OJA	4.081645	0.085279	1,522.25	1,624.791
IPS	4.038492	0.065041	1,434.468	1,507.270
TDA	3.398401	0.206564	2,569.329	2,693.314
ECS	3.188804	0.118222	2,008.564	2,180.314
ISA	3.866869	0.060667	2,370.075	2,522.965
MVM	4.881961	0.27461	6,256.653	6,643.259
ENI	4.285435	0.065629	2,041.67	2,190.688
CDM	3.823341	0.160164	4,501.815	4,788.791