

Supplementary Material

Treatment of Pickle Wastewater under Varying Salinity Conditions within the Sequencing Batch Biofilm Reactor System

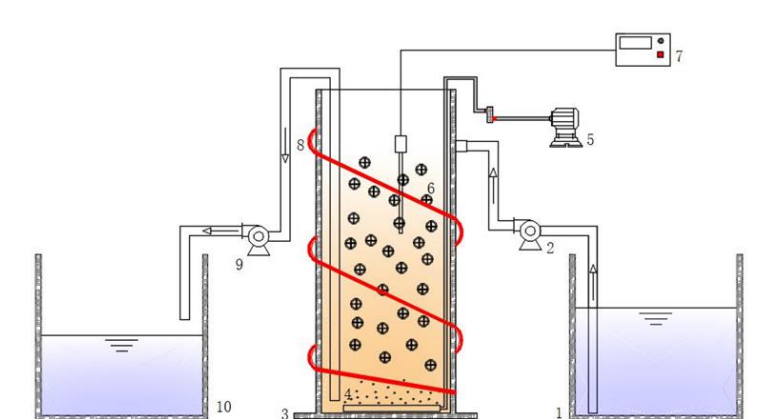
Nuonan Shen ¹, Hongyun Guo ¹, Tingting Yao ¹, Li Xu ², Youxian Gao ² and Ping Yang ^{1,*}

¹ College of Architecture and Environment, Sichuan University, Chengdu 610065, China

² Sichuan Academy of Eco-Environmental Science, Chengdu 610041, China

* Correspondence: yangpinga301@163.com; Tel./Fax: +86-028-85402838

1. Experiment equipment.



- 1-Water inlet tank; 2- Feed pump; 3-Reactor;
4-Aeration plate; 5-Air pump; 6-Biological carrier;
7-Temperature controller; 8-Heating wire;
9-Discharge pump; 10-Water outlet tank

Figure S1. Experiment equipment.

2. Trace element nutrient solution.

Table S1 Trace element nutrient solution

Element	Content (mg/L)	Element	Content (mg/L)
FeCl ₃ •6H ₂ O	1.5	CaCl ₂	0.12
MnSO ₄ •H ₂ O	0.12	EDTA	3
ZnSO ₄ •7H ₂ O	0.12	H ₃ BO ₃	0.15
CoCl ₂ •6H ₂ O	0.15	CuSO ₄ •5H ₂ O	0.03
MgSO ₄ •7H ₂ O	0.12	Na ₂ MoO ₄ •2H ₂ O	0.06

3. Calibration curves

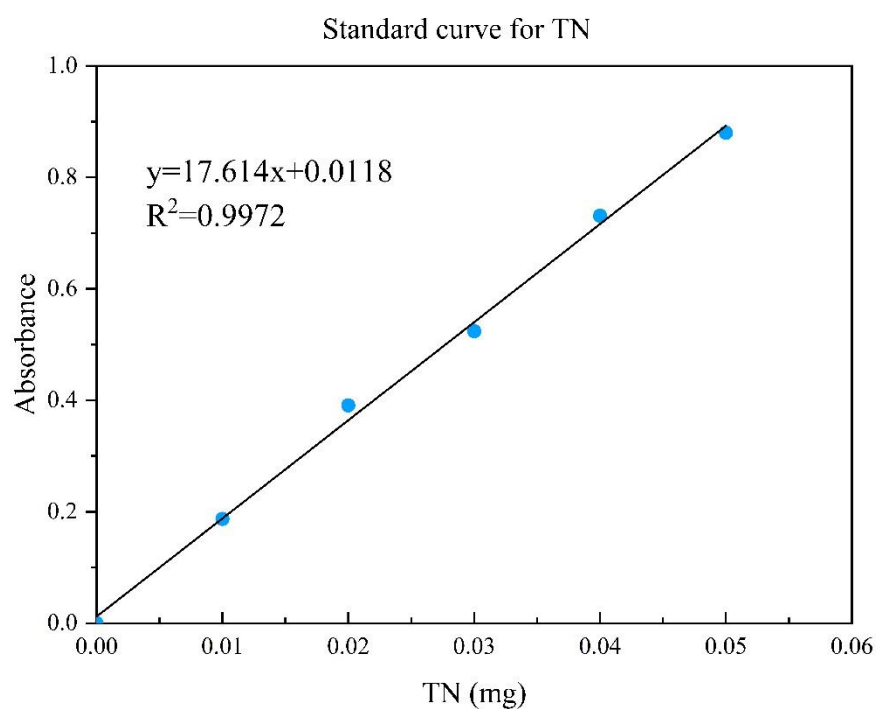


Figure S2 Standard curve for TN.

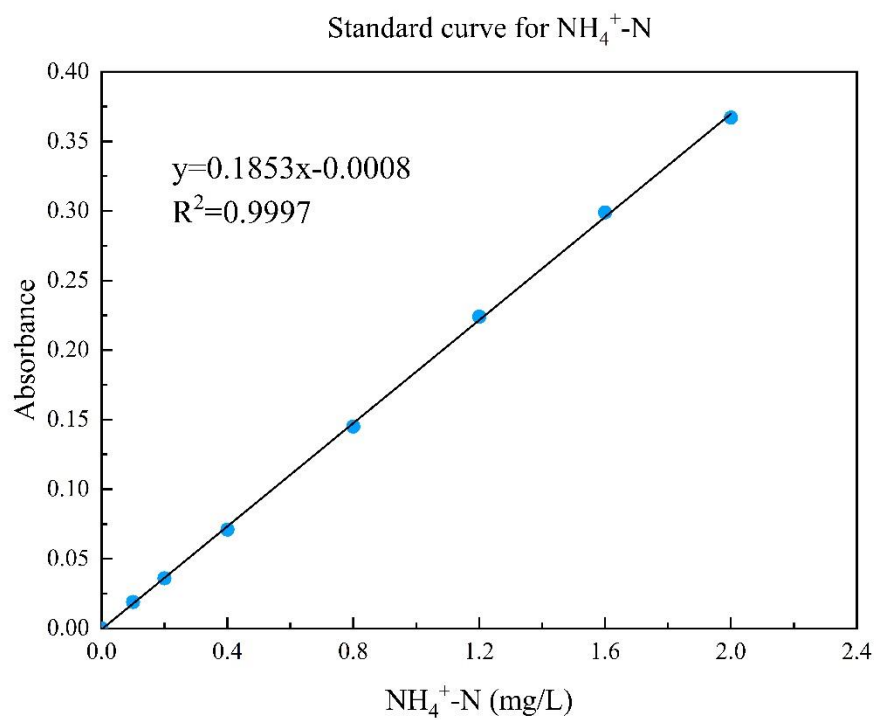


Figure S3 Standard curve for $\text{NH}_4^+\text{-N}$.

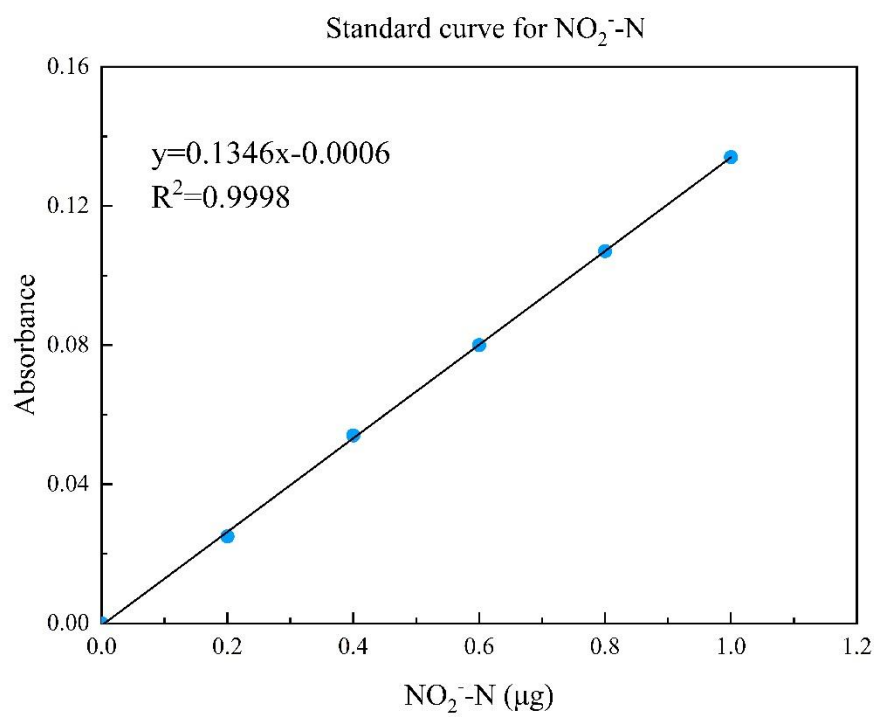


Figure S4 Standard curve for $\text{NO}_2^-\text{-N}$.

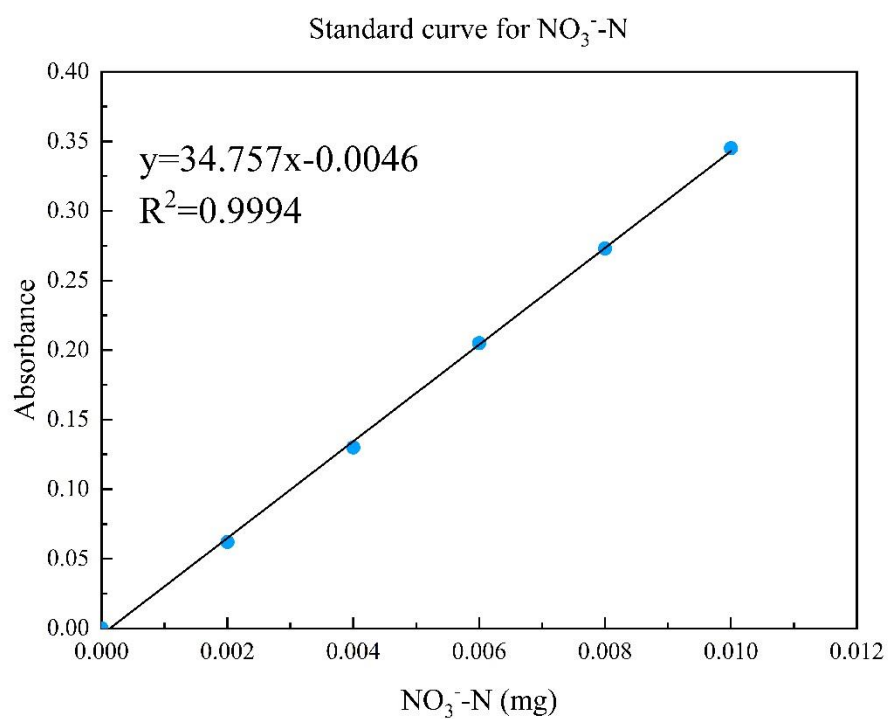


Figure S5 Standard curve for NO_3^- -N.