

Supplementary Materials for

Development of Membrane Fouling-Control Strategy for Ceramic Membrane Bioreactor Applied in Partial Nitrification Process

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Table S1. Microbial richness and diversity in ceramic MBR.

	ACE	Chao	Shannon	Simpson	Coverage (%)
Day 1	410.15	412.53	3.56	0.08	99.94
Day 41	417.99	415.61	4.30	0.03	99.94
Day 91	435.35	436.92	3.84	0.05	99.91

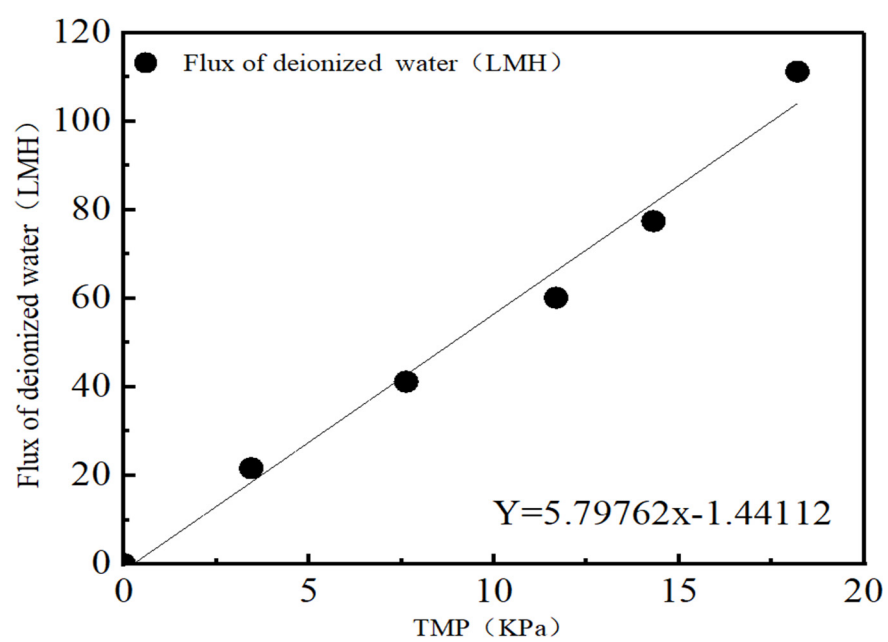


Figure S1. Deionization flux of ceramic membrane.

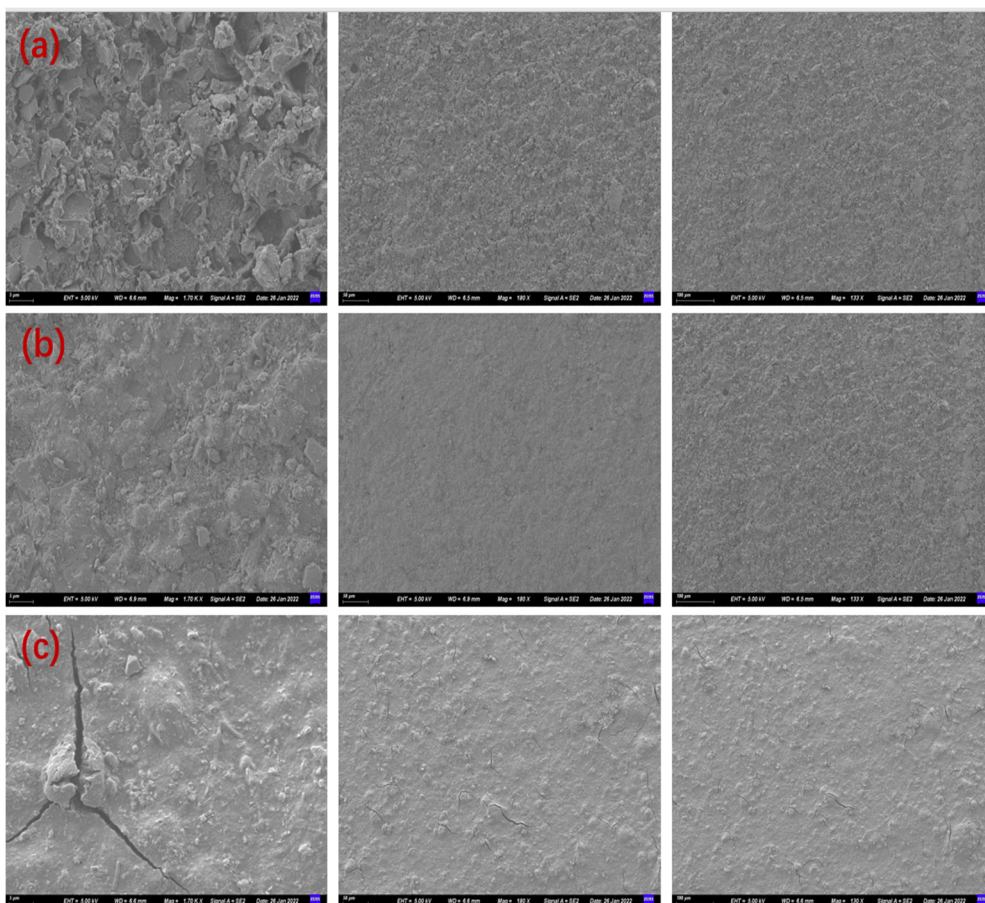


Figure S2. SEM images of ceramic membrane surface. **(a)** New membrane; **(b)** with cleaning equipment; **(c)** without cleaning equipment.

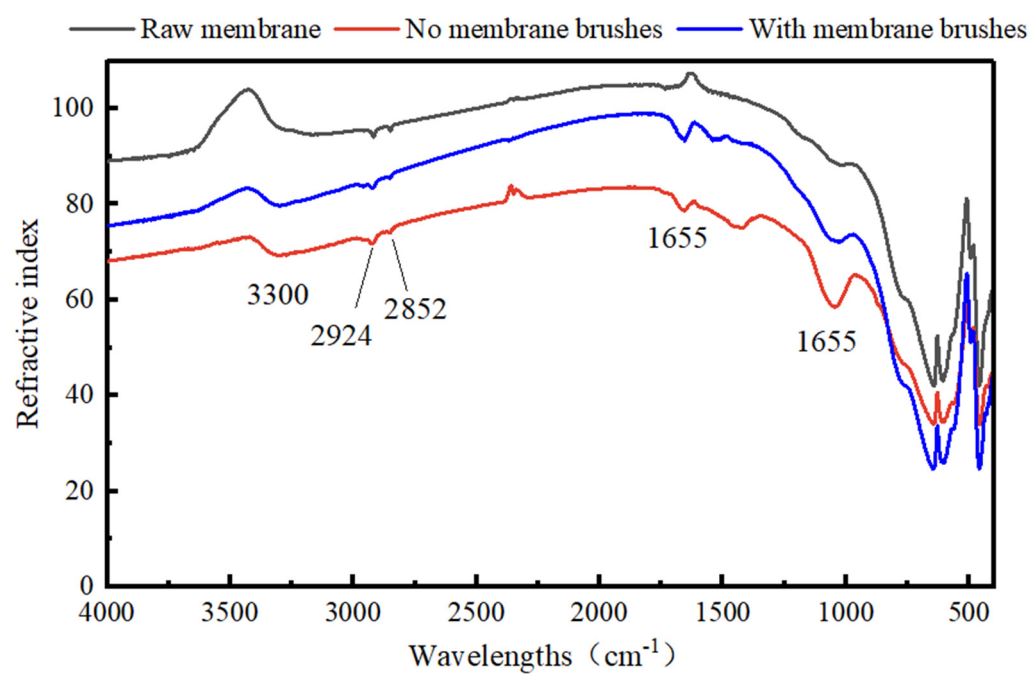


Figure S3. FTIR images of ceramic membrane surface.

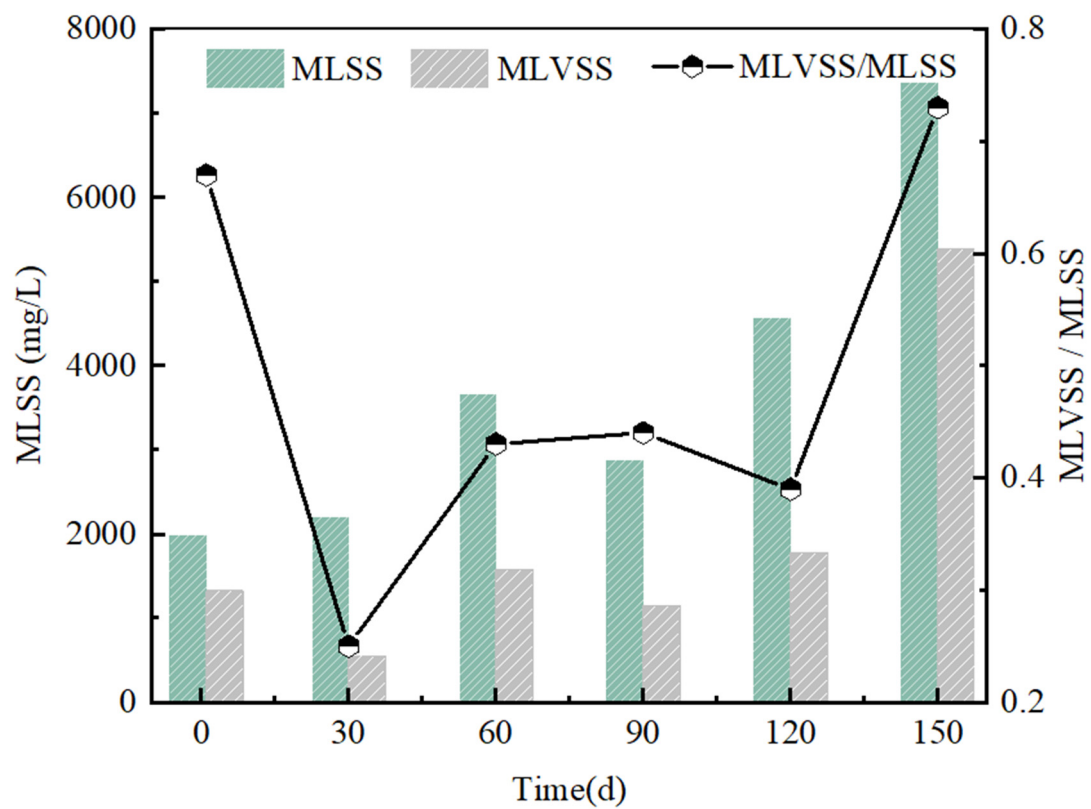


Figure S4. Changes in MLSS, MLVSS, and MLSS/MLVSS during operation.

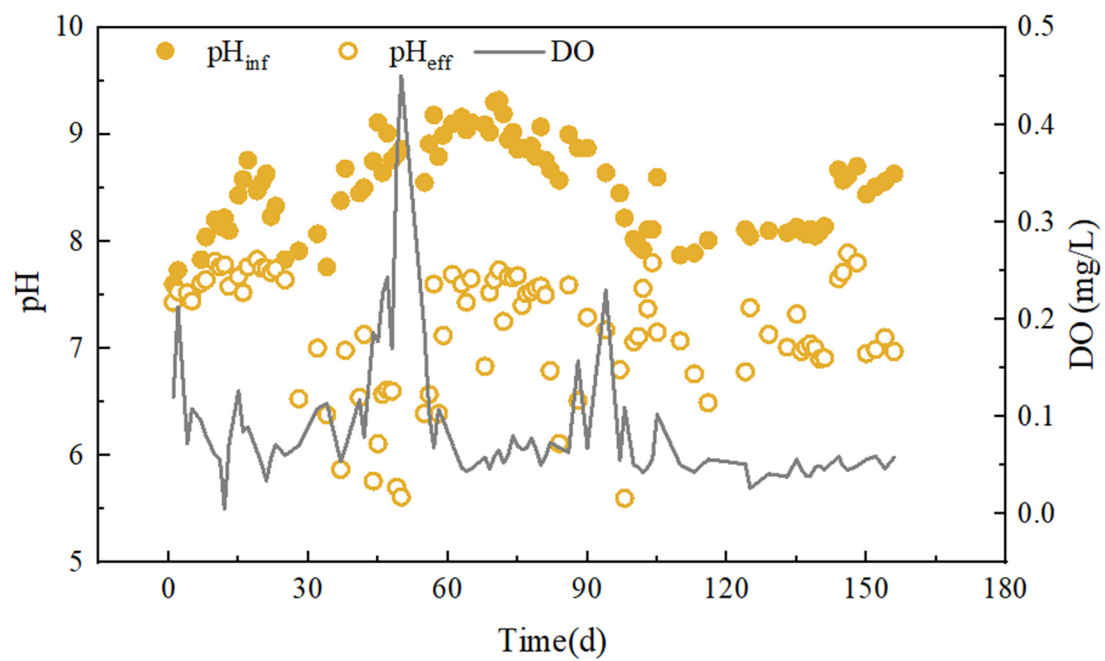


Figure S5. pH and DO in the ceramic membrane bioreactor.

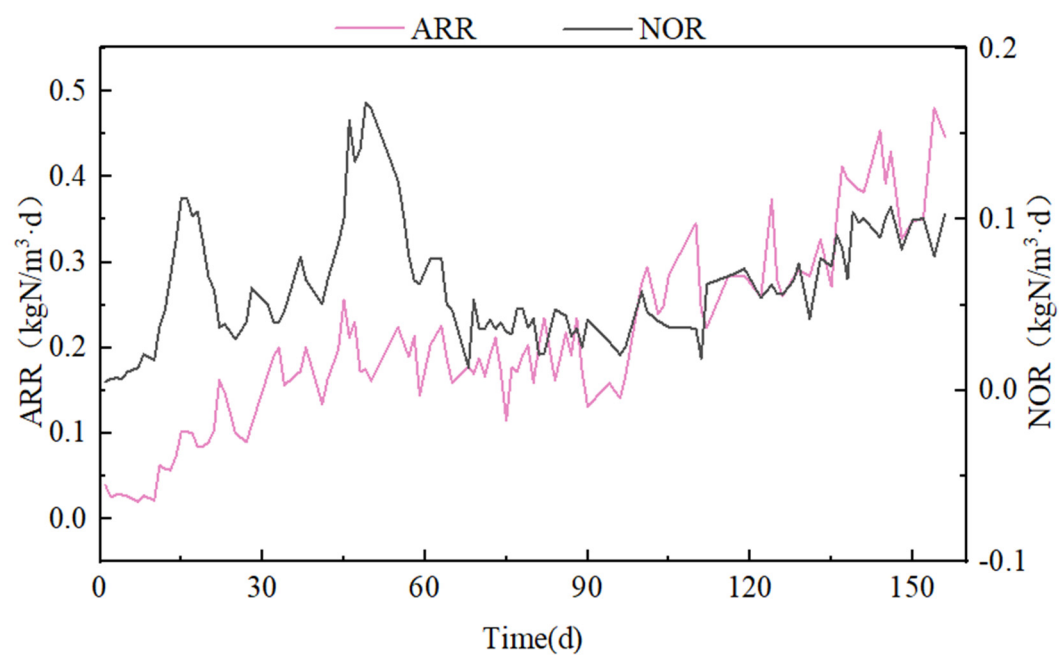


Figure S6. Changes in ammonia removal rate (ARR) and nitrite oxidizing rate (NOR) in the ceramic membrane bioreactor.