



Supplementary Material

Nitrification upon Nitrogen Starvation and Recovery: Effect of Stress Period, Substrate Concentration and pH on Ammonia Oxidizers' Performance

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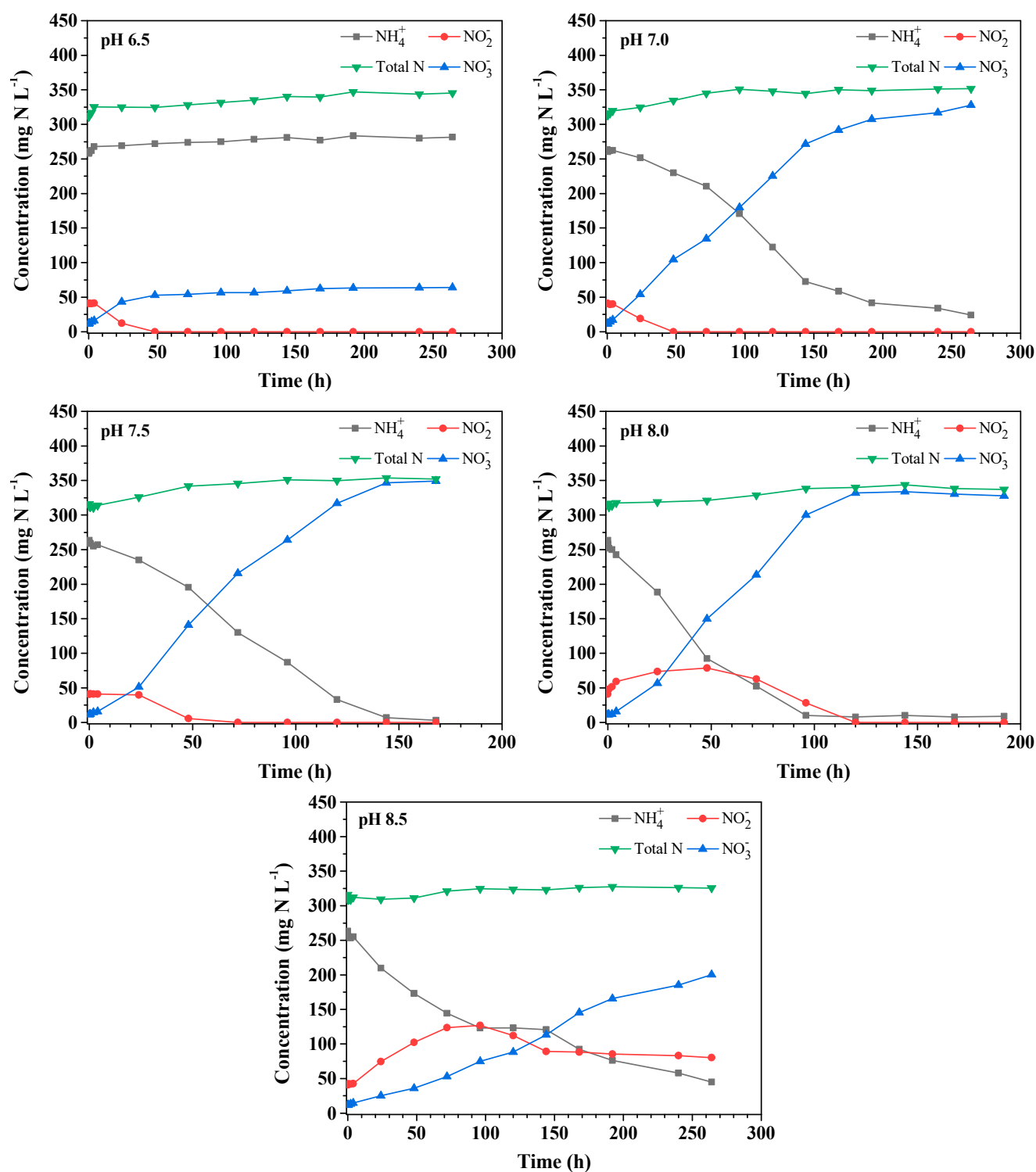


Figure S1. The process of nitrification performed by non-starved cells of enriched nitrifying cultures at different pH values. Incubation conditions included temperature of 25 °C, initial addition of $\text{NH}_4\text{-N}$ concentration of 250 mg N L^{-1} , and cell density of 500 mg TSS L^{-1} , equivalent to 1.29×10^9 cells mL^{-1} .

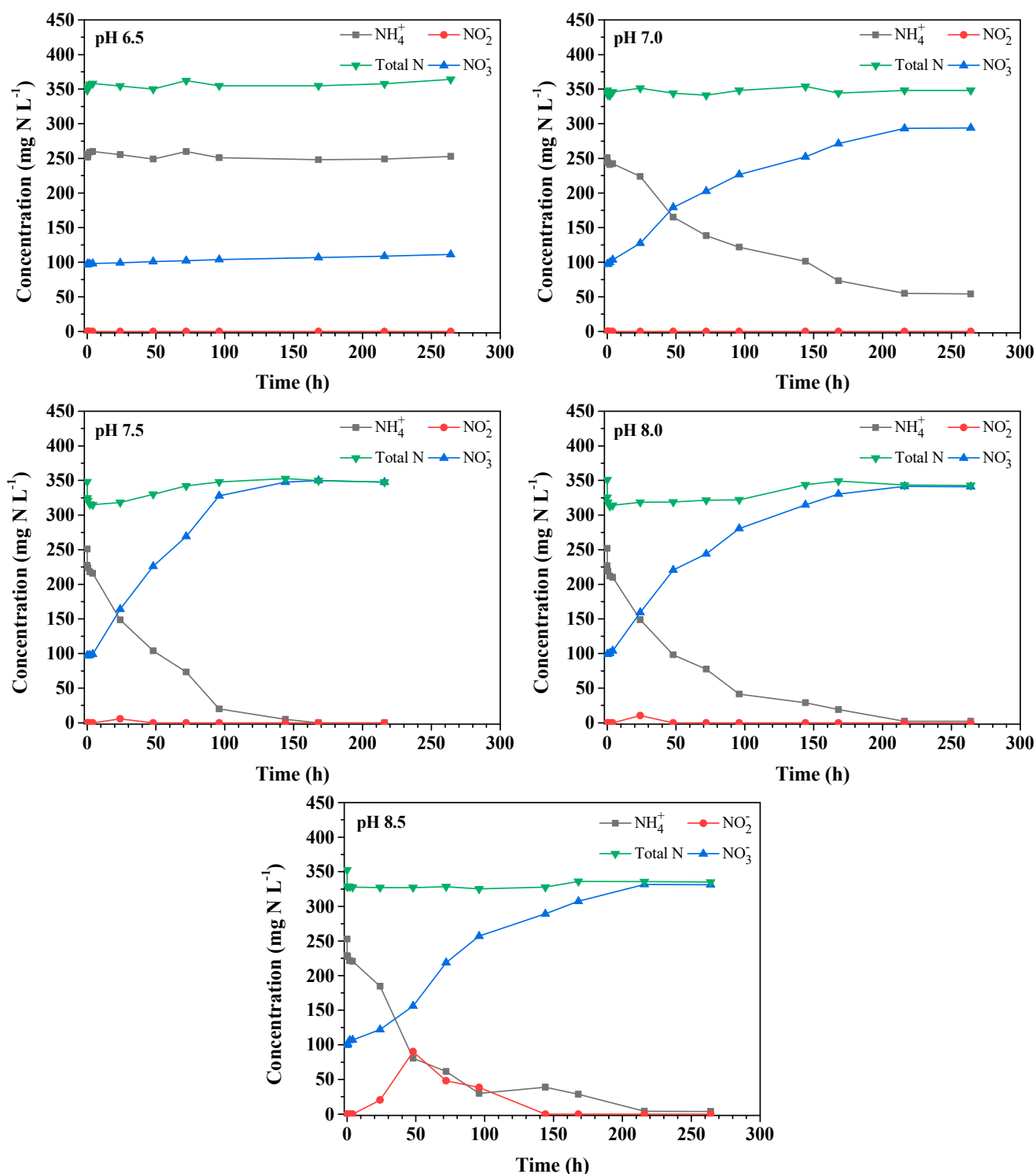


Figure S2. The process of nitrification performed by 3-days starved cells of enriched nitrifying cultures at different pH values. Incubation conditions included temperature of 25 °C, initial addition of $\text{NH}_4\text{-N}$ concentration of 250 mg N L⁻¹, and cell density of 500 mg TSS L⁻¹, equivalent to 1.29×10^9 cells mL⁻¹.