

Supplementary Information

Diversity of immobilized bacterial communities and nitrates removal by instantaneous heterotrophic denitrification treating nitrate-polluted water using 3D-BERs-GAC: Effects of pH and COD/NO₃⁻ -N ratio

Mahdi Hassan¹, Guangcan Zhu^{*1}, Zhonglian Yang¹, Yongze Lu¹, Huang Shan¹

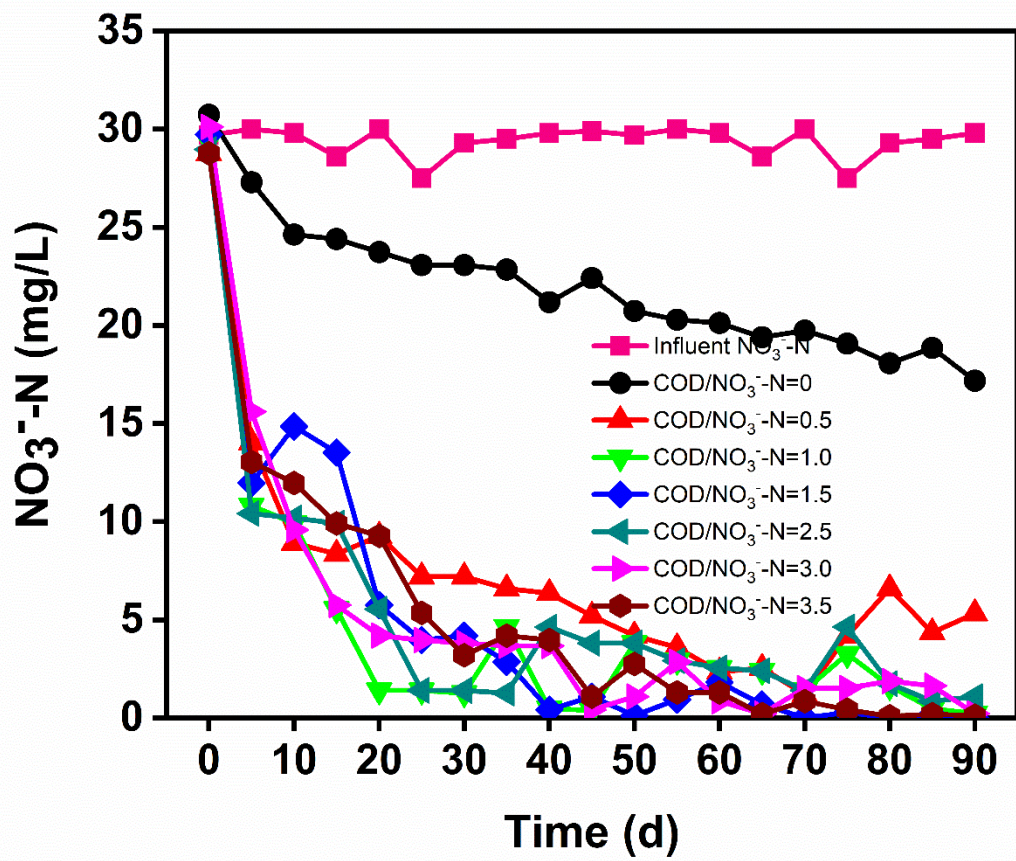
¹School of Energy and Environment, State Key Laboratory of Environmental Medicine Engineering of the Ministry of Education, Southeast University, Nanjing 210096, Jiangsu, China

***Corresponding Author**

Prof.Dr. Guangcan Zhu^{*1}

Phone: +86-18912966396

Email: gc-zhu@seu.edu.cn



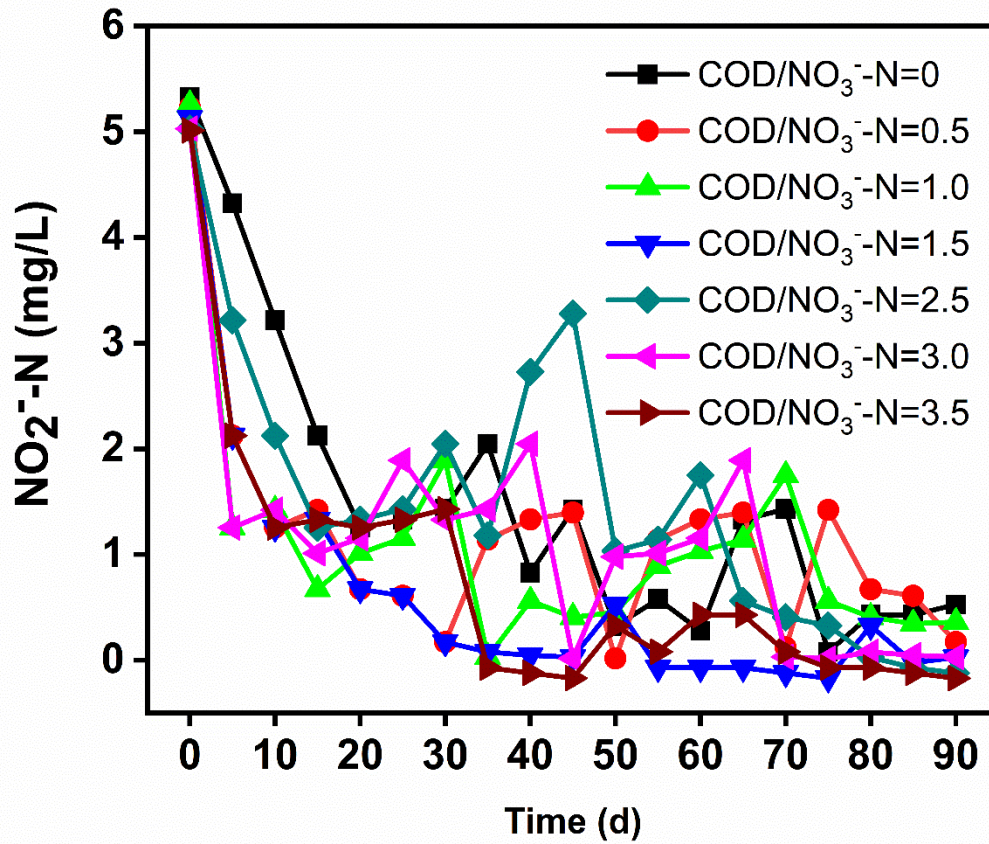


Fig.S1. The changes of nitrate and nitrite concentration during acclimated phase at variation of carbon to nitrogen ratio during heterotrophic denitrification process, under the experimental condition: i.e., pH=7.5±0.4, initial concentration of NO₃⁻-N = 30 ± 0.2 mgL⁻¹, and the ratio of COD/NO₃⁻-N was 0-3.5, respectively.