



Fig. S2 Pollutant concentrations and removal efficiencies by MBGS under different estradiol (E3) concentrations (0, 0.1, 1, and 10 mg/L) across diurnal cycles. Concentrations and removal efficiencies of COD, $\text{NH}_4^+\text{-N}$, and $\text{PO}_4^{3-}\text{-P}$ during daytime (a) and nighttime (b).