

Supporting Materials

Response of sludge fermentation liquid and microbial community to nano zero-valent iron exposure in mesophilic anaerobic digestion system

Bao Yu, Xiaoting Huang, Dongling Zhang, Ziyang Lou, Haiping Yuan, Nanwen Zhu*

*School of Environmental Science and Engineering, Shanghai Jiao Tong University, Shanghai
200240, China*

Figure Captions:

Figure S1: Transmission electron microscopic (TEM) images of NZVI.

Figure S2: The cumulative H₂ partial pressure vs. fermentation time.

Figure S3: Variations of pH vs. fermentation time.

Figure S4: The EEM spectra of DOM during the AD process.

Corresponding to four stages: 0th (initial stage), 3rd day (when highest VFAs accumulation was achieved), 17th day (intermediate stage) and 32nd day (terminal stage).

* Corresponding author. Tel.: +86021 34203710; fax: +86021 34203710.

E-mail address: nwzhu@sjtu.edu.cn;

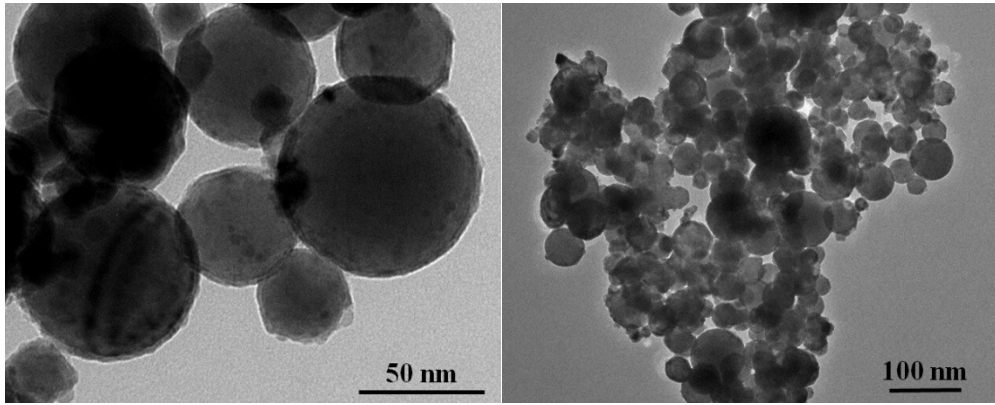


Fig. S1

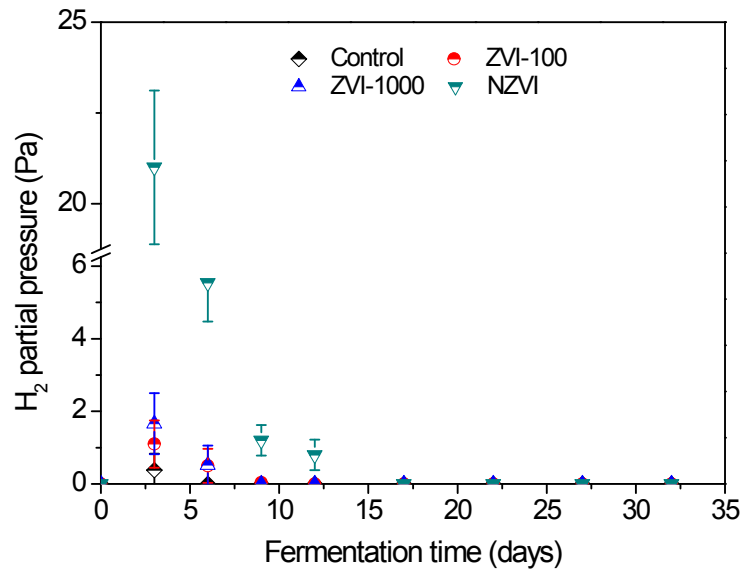


Fig. S2

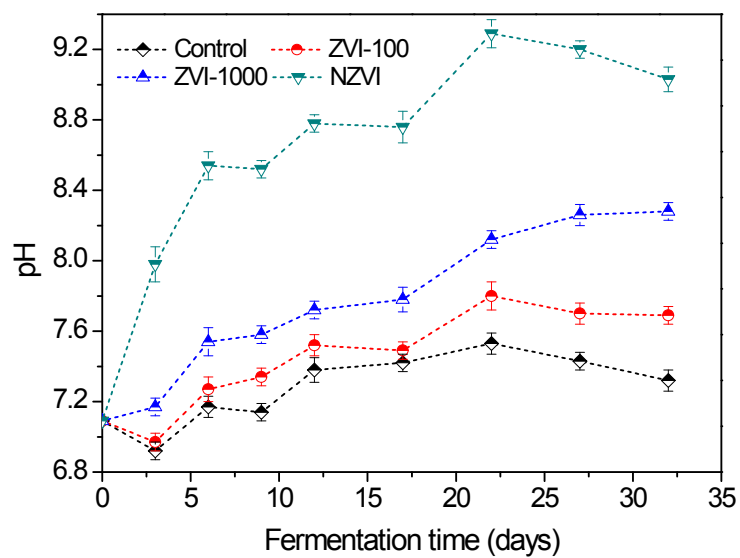
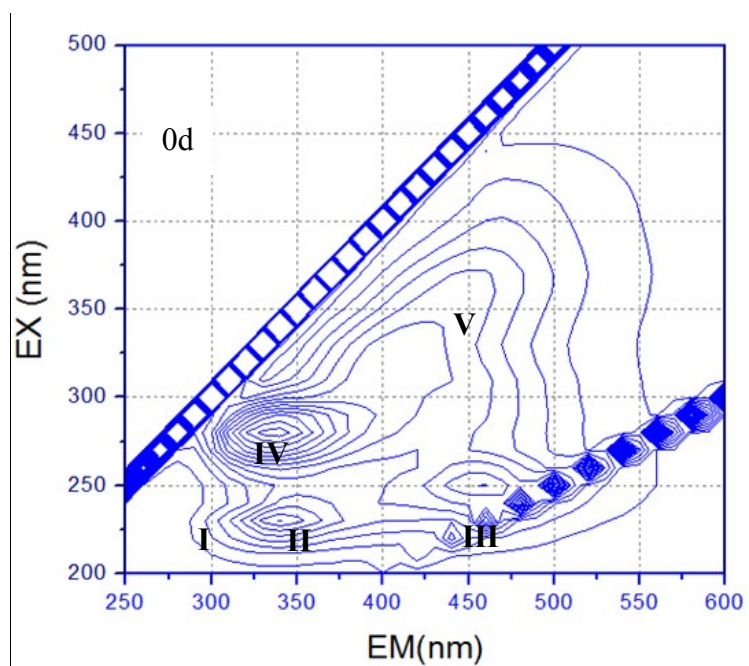
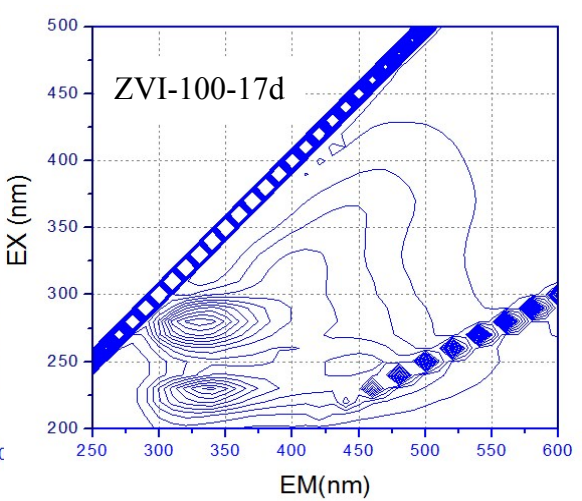
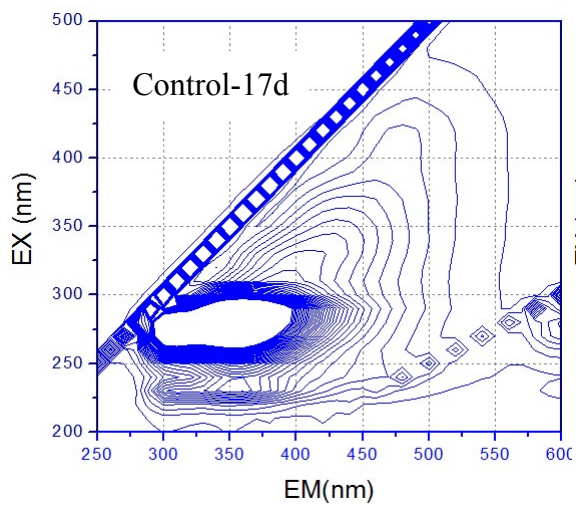
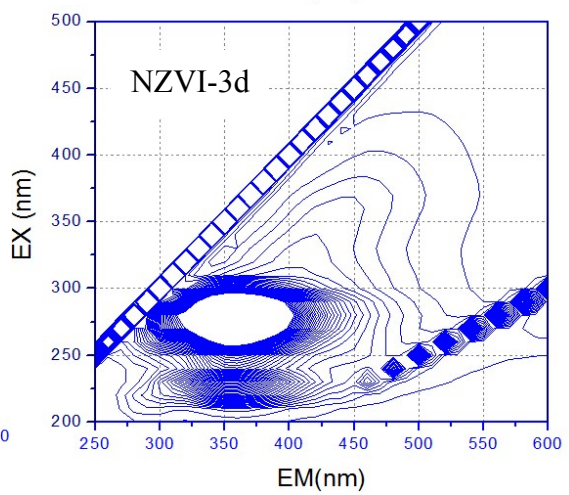
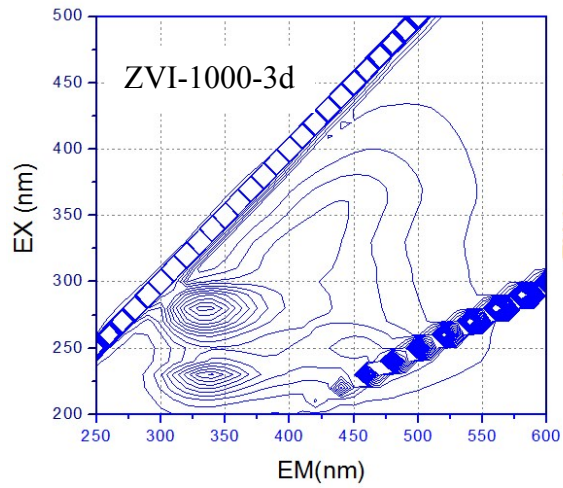
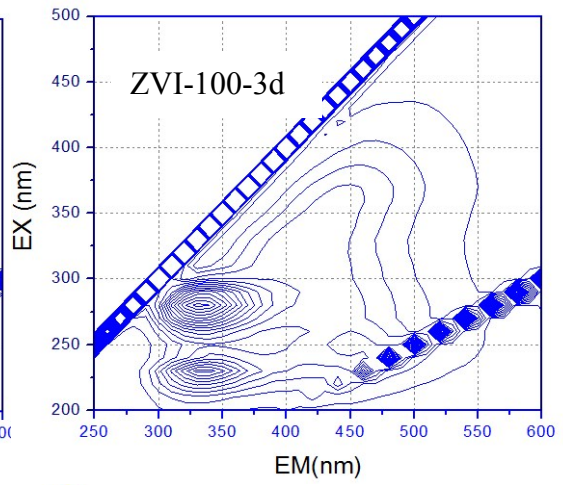
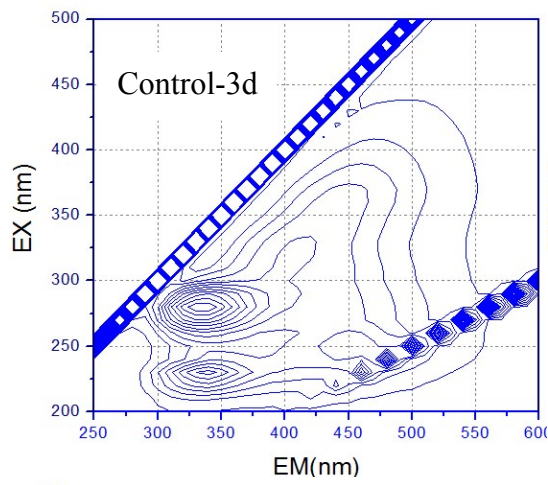


Fig. S3





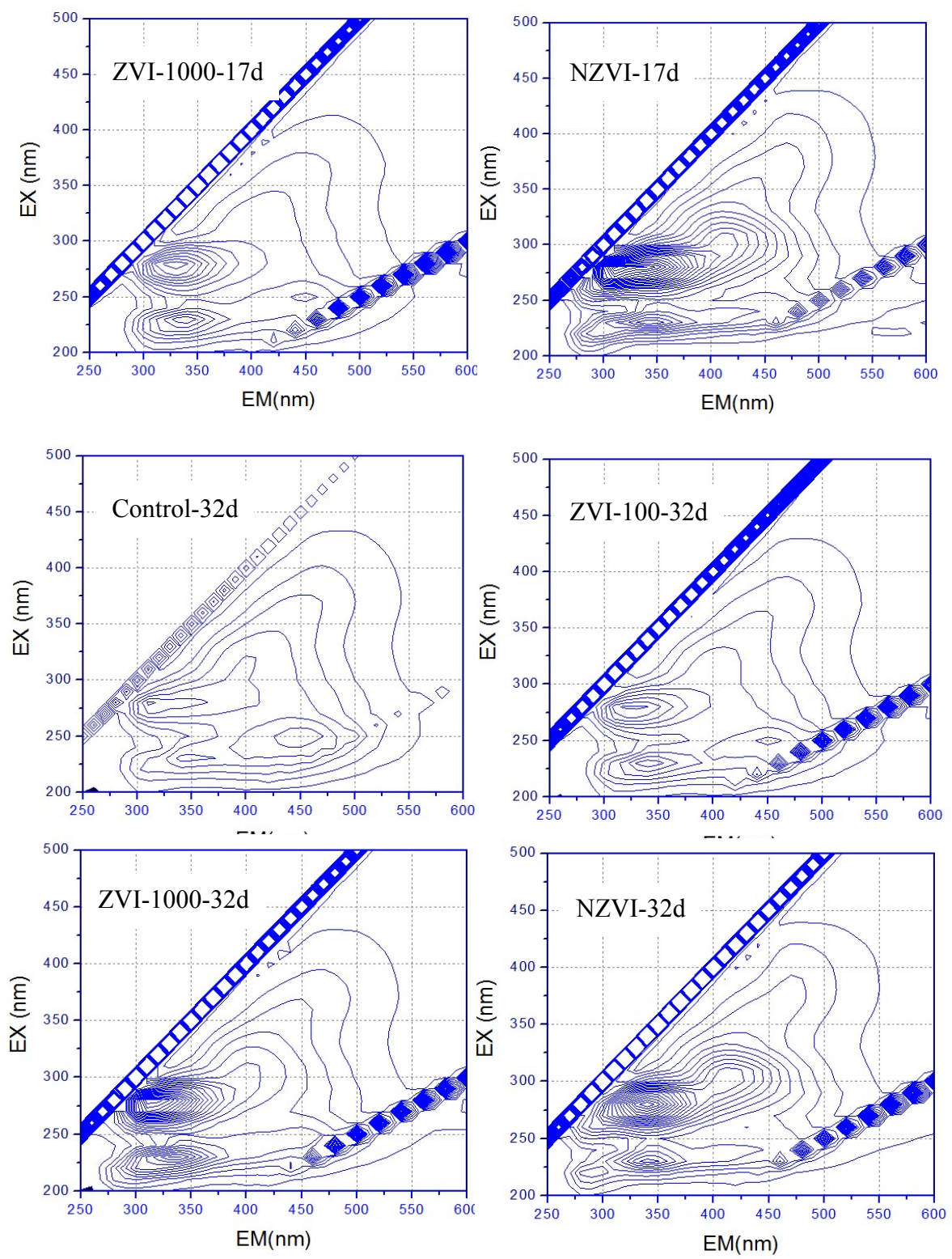


Fig. S4