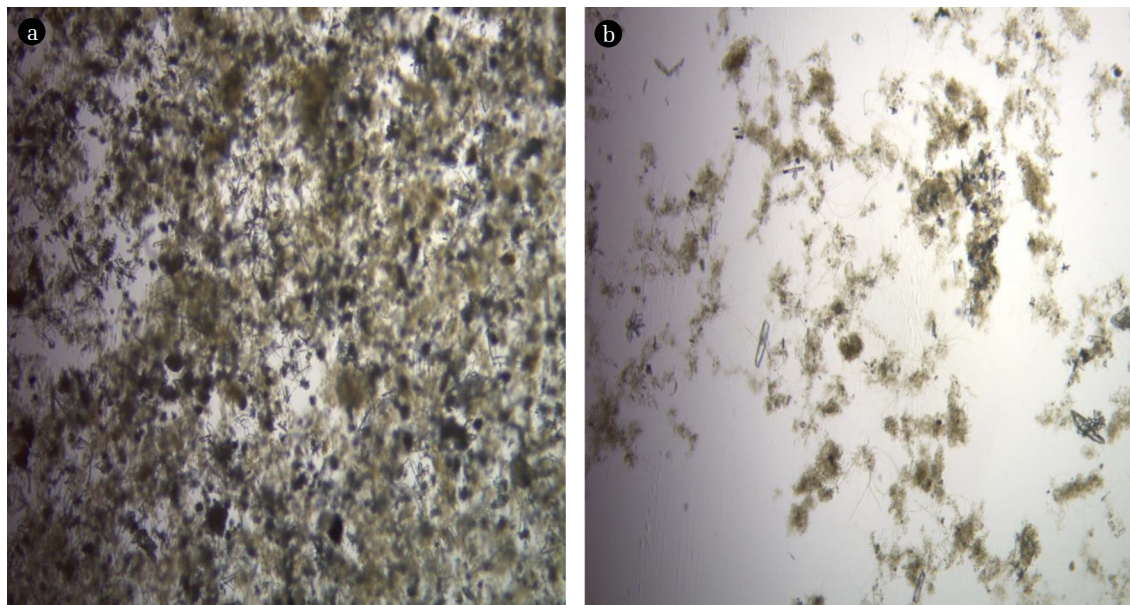
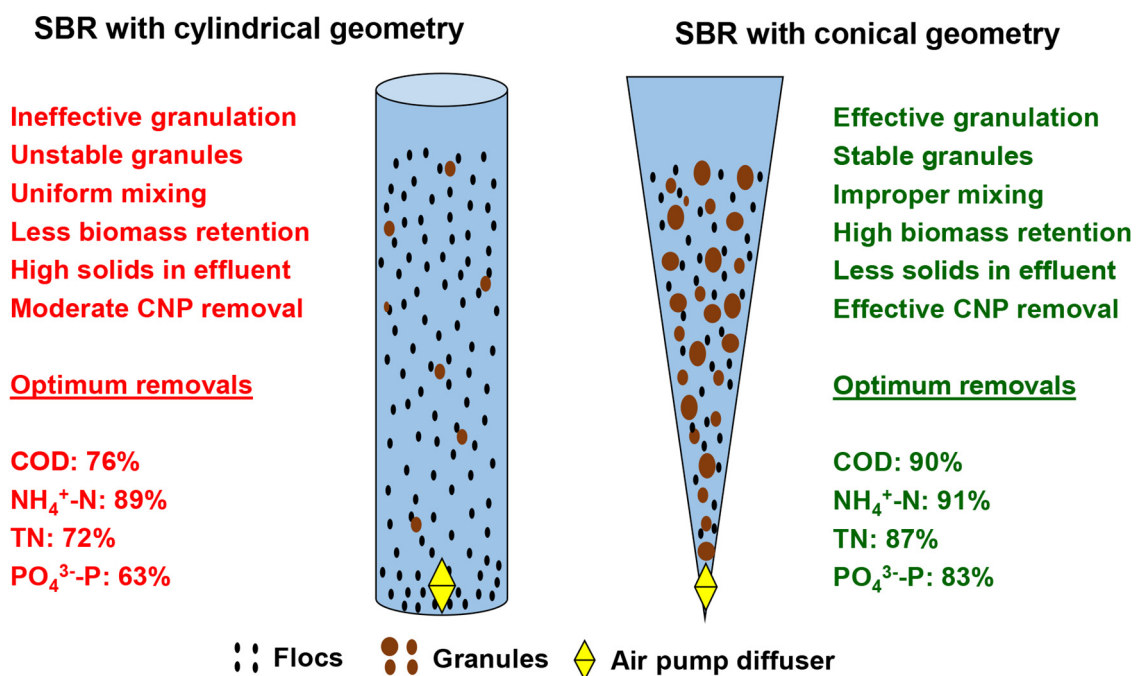




## Supplementary Materials



**Fig. S1.** Microscopic images (x 4) of biomass from (a) conical SBR and (b) control SBR



**Fig. S2.** Schematics of the SBRs with the highlights of the results

**Table S1.** Values of SVI<sub>30</sub>, MLSS, and MLVSS during various phases of conical SBR operation

Phase	SVI <sub>30</sub> (mL/g)	MLSS (g/L)	MLVSS (g/L)
Start-up	380	0.26	0.17
I	90	0.81	0.70
II	82	1.74	0.22
III	65	2.31	0.52

**Table S2.** Average percentage removals during various phases of control SBR operation

Phase	% Removals			
	COD	NH <sub>4</sub> <sup>+</sup> -N	TN	PO <sub>4</sub> <sup>3-</sup> -P
Start-up	68 ± 7	85 ± 12	41 ± 9	41 ± 9
I	69 ± 6 <sup>#</sup>	79 ± 13 <sup>#</sup>	49 ± 16 <sup>#</sup>	51 ± 11 <sup>#</sup>
	64 ± 16 <sup>*</sup>	71 ± 9 <sup>*</sup>	43 ± 12 <sup>*</sup>	44 ± 8 <sup>*</sup>
II	68 ± 9 <sup>#</sup>	86 ± 14 <sup>#</sup>	54 ± 7 <sup>#</sup>	52 ± 7 <sup>#</sup>
	63 ± 6 <sup>*</sup>	85 ± 12 <sup>*</sup>	48 ± 4 <sup>*</sup>	47 ± 5 <sup>*</sup>
III	76 ± 16	89 ± 7	72 ± 11	63 ± 3

\* Cycle time – 9 h; # Cycle time – 15 h