Electronic Supplementary Material (ESI) for RSC Advances.
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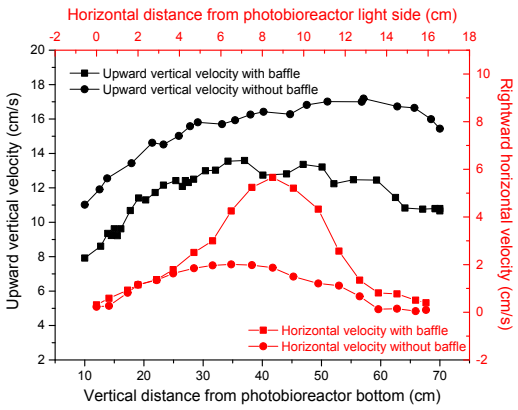
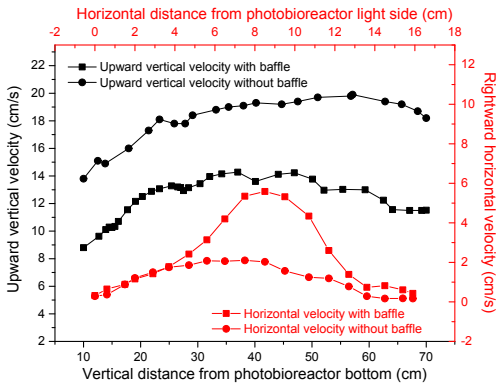
Support Materials



□a□



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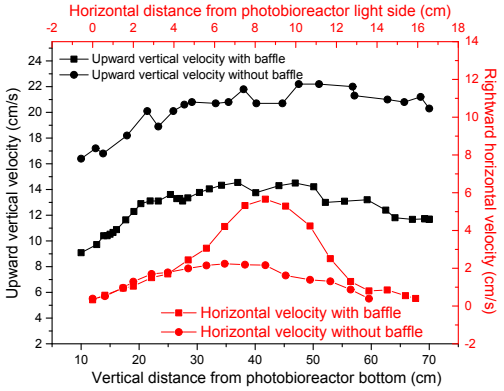
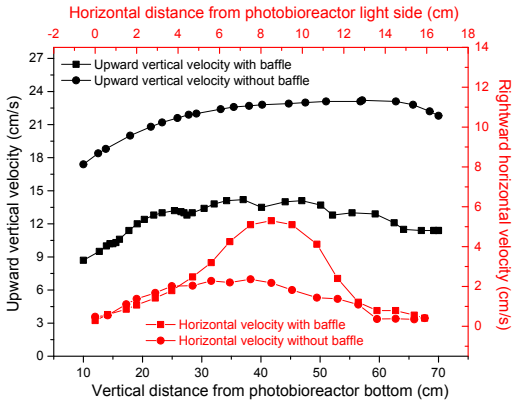


(c)



(d)

Fig.1 Vertical velocity and horizontal velocity at different position in a panel bioreactor under various gas aeration rate. (a) 0.04 vvm, (b) 0.06 vvm, (c) 0.08 vvm, (d) 0.10 vvm.