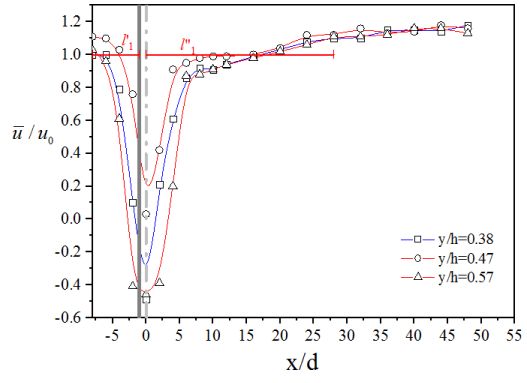
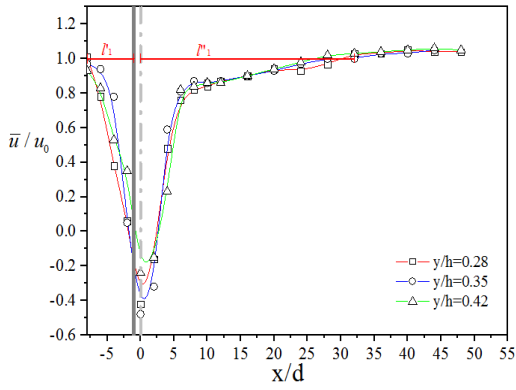


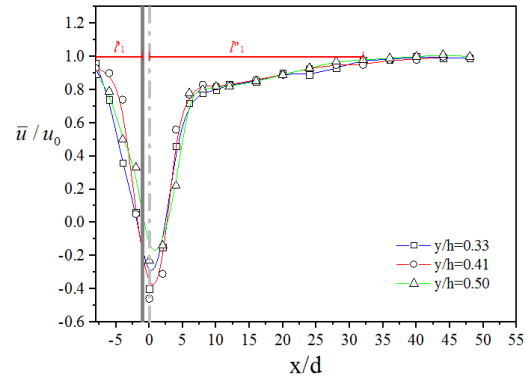
(a)  $Q=80\text{m}^3/\text{h}$



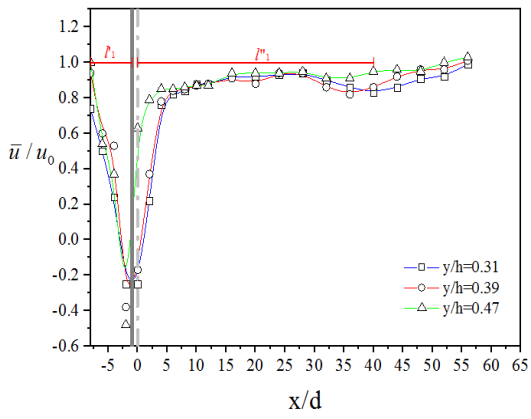
(b)  $Q=90\text{m}^3/\text{h}$



(c)  $Q=100\text{m}^3/\text{h}$



(d)  $Q=110\text{m}^3/\text{h}$



(e)  $Q=120\text{m}^3/\text{h}$

Fig.8 the longitudinal length of vortex behind vegetation under different flow discharges