



Fig. 8 – During MEOR within sandstone core using Microbe 3, $d_X = 2.88 \times 10^{-2} \text{ h}^{-1}$, $t_{pulse} = 57.6 \text{ h}$ and $k_a/k_d = 6.40$, temporal distributions of the following parameters at $x = 0.004 \text{ m}$, 0.2 m , 0.4 m , 0.6 m , 0.8 m , 1.0 m and 1.1 m from the influent point: (a) temperature; (b) γ -function of temperature [$\gamma(T)$] for microbial maximum specific growth rate; (c) total brine salinity (C_{sal}); (d) γ -function of total salinity [$\gamma(C_{sal})$] for microbial maximum specific growth rate; (e) brine pH; and (f) γ -function of pH [$\gamma(pH)$] for microbial maximum specific growth rate.