

Fig. 6 – Sensitivity analysis of sandstone rock heterogeneity using Microbe 3, $d_x = 2.88 \times 10^{-2} h^{-1}$ and $t_{pulse} = 57.6 h$ during MEOR under varying temperature, salinity and pH conditions: (a) temporal distribution of intrinsic or absolute permeability at x = 0.004 m from the influent point within homogeneous ($a_\beta = -1.0$, $\beta_{min} = 0.4$), intermediate ($a_\beta = -1.7$, $\beta_{min} = 0.75$) and heterogeneous ($a_\beta = -1.9$, $\beta_{min} = 0.9$) sandstone porous media; and (b) spatial evolution of intrinsic permeability within homogeneous, intermediate and heterogeneous sandstone cores at t = 600 h.