

Fig. 2 – Evolution of the specific affinity of microbes 1, 2 and 3 within sandstone core towards their carbon substrate (sucrose) with respect to (a) core length at t=32 h and (b) simulation run-time at x=0.004 m from influent point; evolution of the specific affinity of the microbes towards their nitrogen substrate (ammonium sulphate) with respect to (c) core length at t=32 h and (d) run-time at x=0.004 m from influent point; variation of microbial specific growth rates (μ_X , h^{-1}) of microbes 1, 2 and 3 within sandstone core as functions of (e) carbon substrate concentration and (f) nitrogen substrate concentration at simulation run-time of 38 h.