

Fig. 5. Bacterial growth kinetics. *S. aureus* (a) and *E. coli* (b), were exposed to 3 different concentrations of $Zn_{0.99}(Ce_{0.01-x}M_x)O$ (Nd, Sm, Er and x = 0, 0.005) nanoparticles. Gompertz model was adjusted to each curve.