

Supp. Matt. Scheme (a). Proposed mechanism for possible interactions between (a) *MNPs@FA* and *Doxo* at pH<6. (b) *MNPs@FA* and *Doxo* at pH=6. (c) *MNPs* and *Doxo*. Orange and violet colors imply that adsorption happened through hydrogen bond and hydrophobic interactions. Blue color implies that the adsorption happened through electrostatic interactions. Red color means that the interaction did not take place because of repulsion forces.

