

Supplementary data

Figure S1. Non-covalent interaction between pesticides (dia and par)/antibiotics (oxa and cip) and graphene (CC).

Figure S2. Non-covalent interaction between pesticides (dia and par)/antibiotics (oxa and cip) and hexagonal boron nitride (h-BN).

Figure S3. Co-adsorption structures of pesticides (a) dia and (b) par and microcystin-LR (mc) on graphene (CC).

Figure S4. Co-adsorption structures of antibiotics (a) oxa and (b) cip and microcystin-LR (mc) on graphene (CC).

Figure S5. Co-adsorption structures of pesticides (a) dia and (b) par and microcystin-LR (mc) on hexagonal boron nitride (h-BN).

Figure S6. Co-adsorption structures of antibiotics (a) oxa and (b) cip and microcystin-LR (mc) on hexagonal boron nitride (h-BN).

Non Covalent Interaction (NCI)

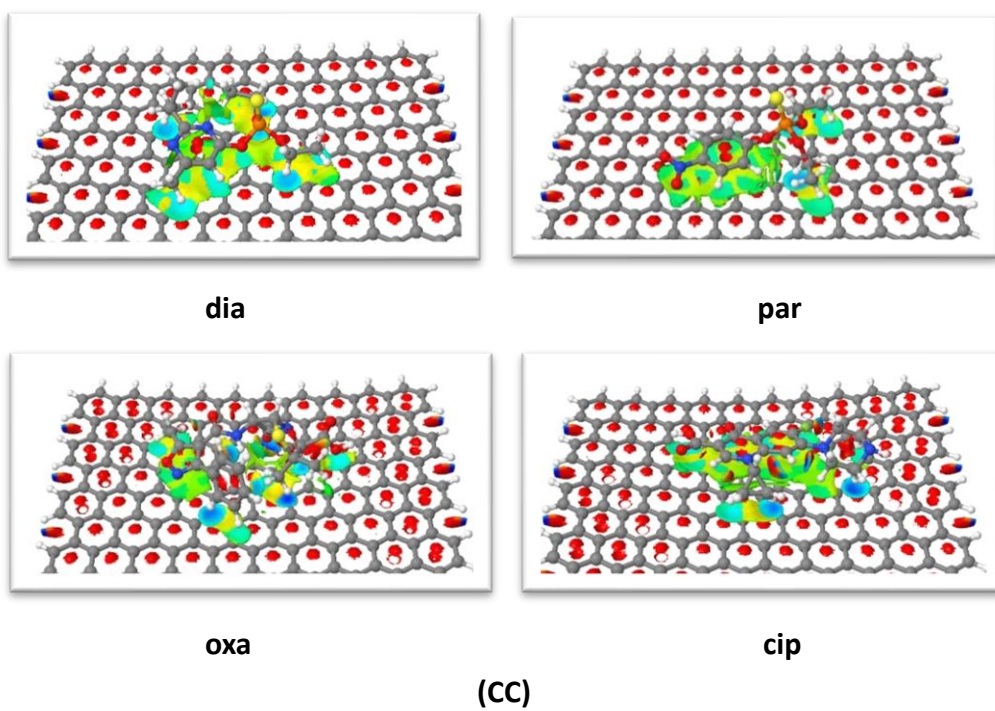


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Non Covalent Interaction (NCI)

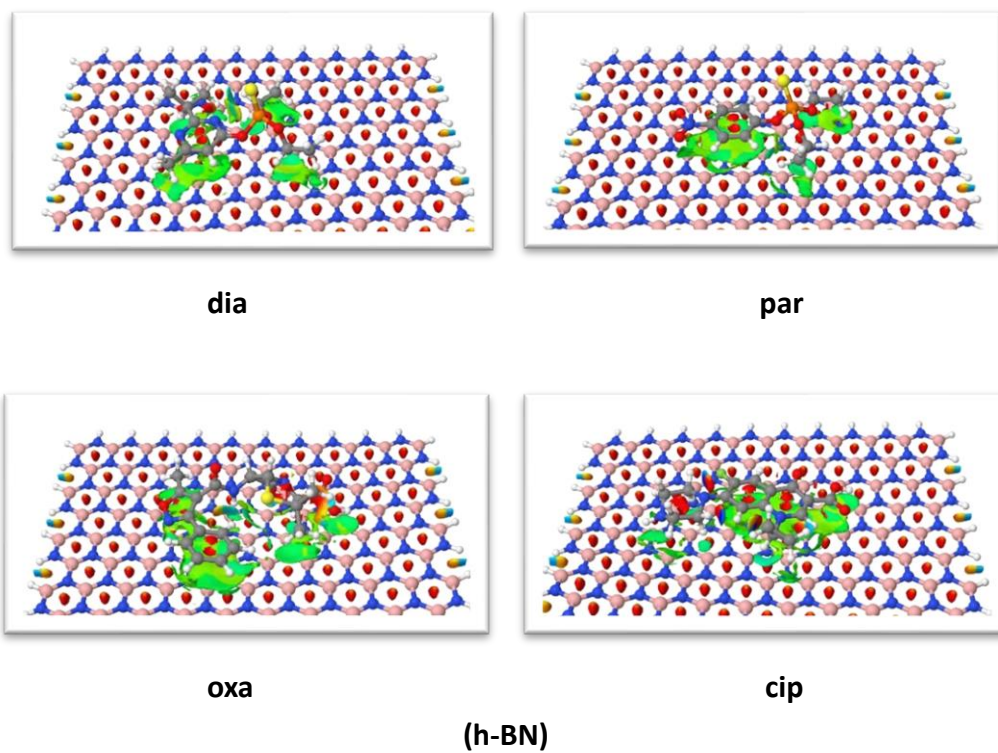


Figure S2. Non-covalent interaction between pesticides (dia and par)/antibiotics (oxa and cip) and hexagonal boron nitride (h-BN).

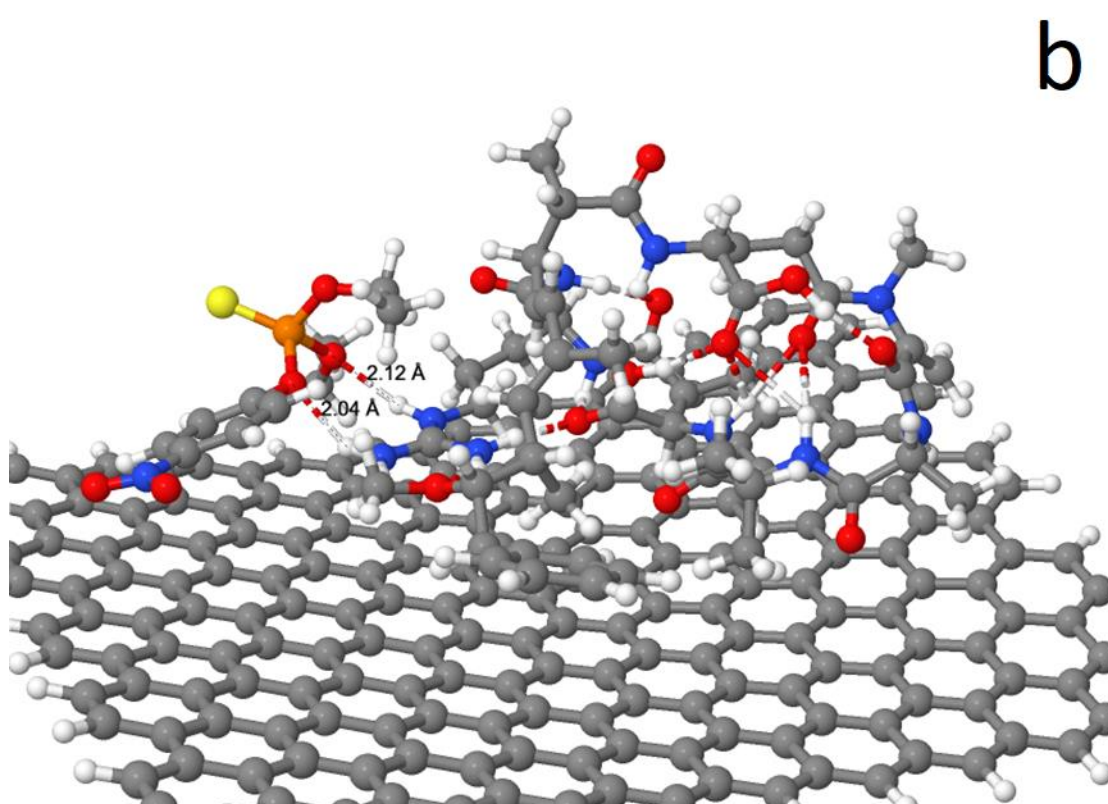
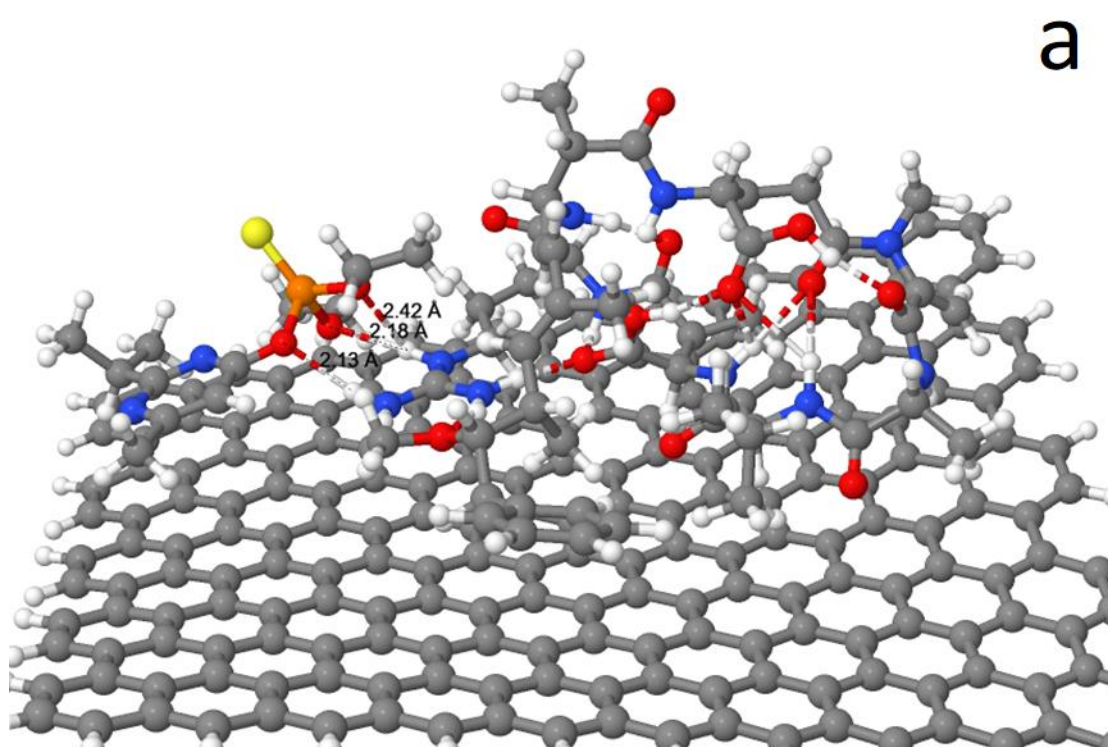
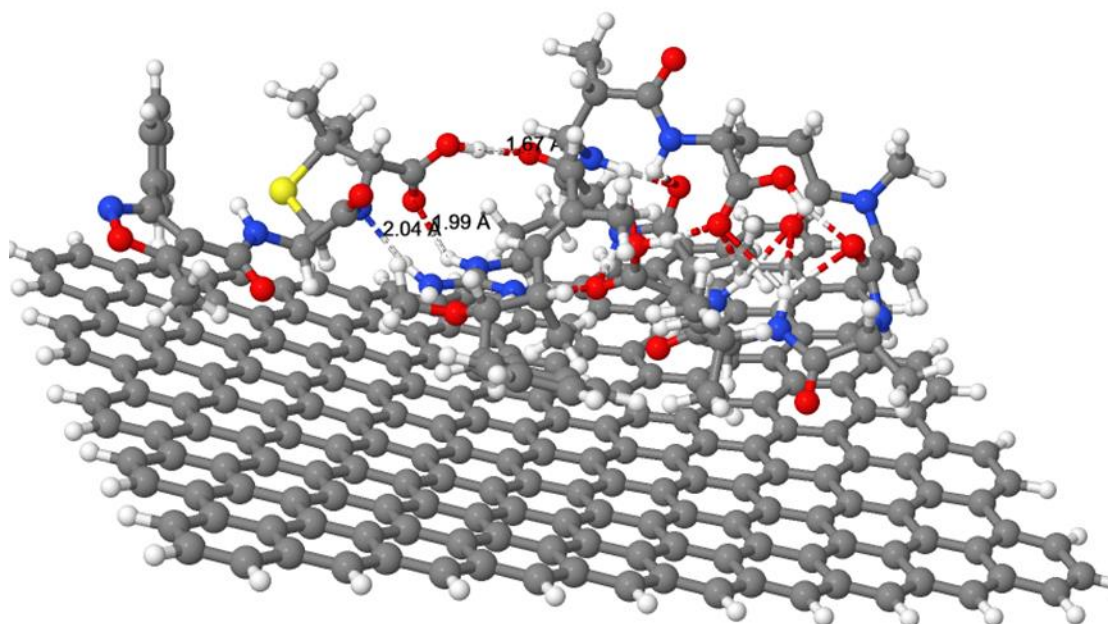


Figure S3. Co-adsorption structure of pesticides (a) dia and (b) par and microcystin-LR (mc) on graphene (CC).

a



b

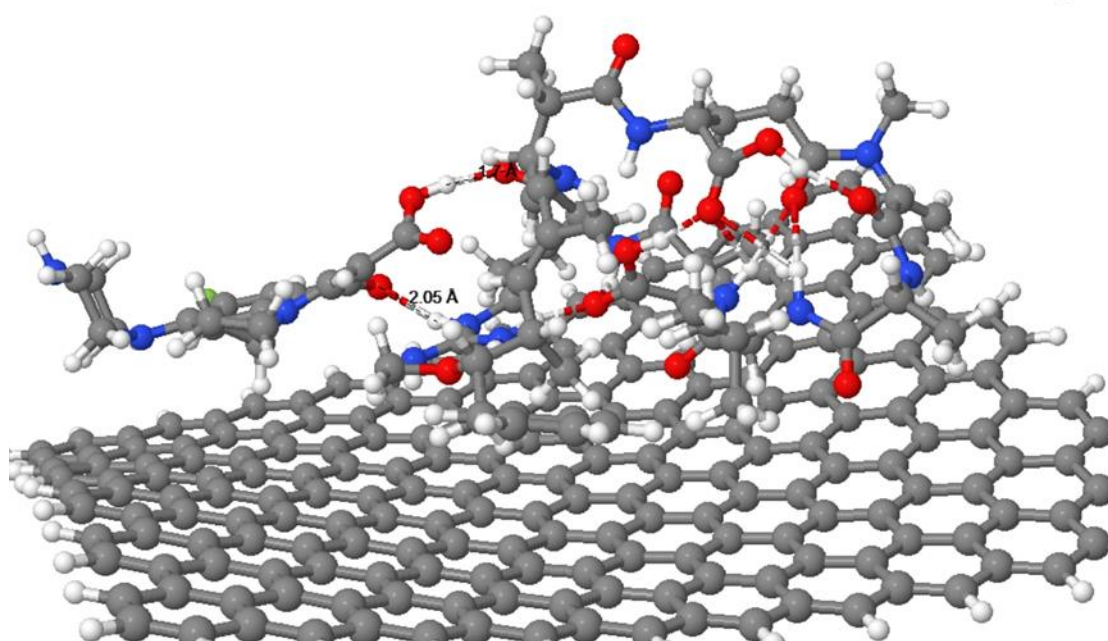


Figure S4. Co-adsorption structure of antibiotics (a) oxa and (b) cip and microcystin-LR (mc) on graphene (CC).

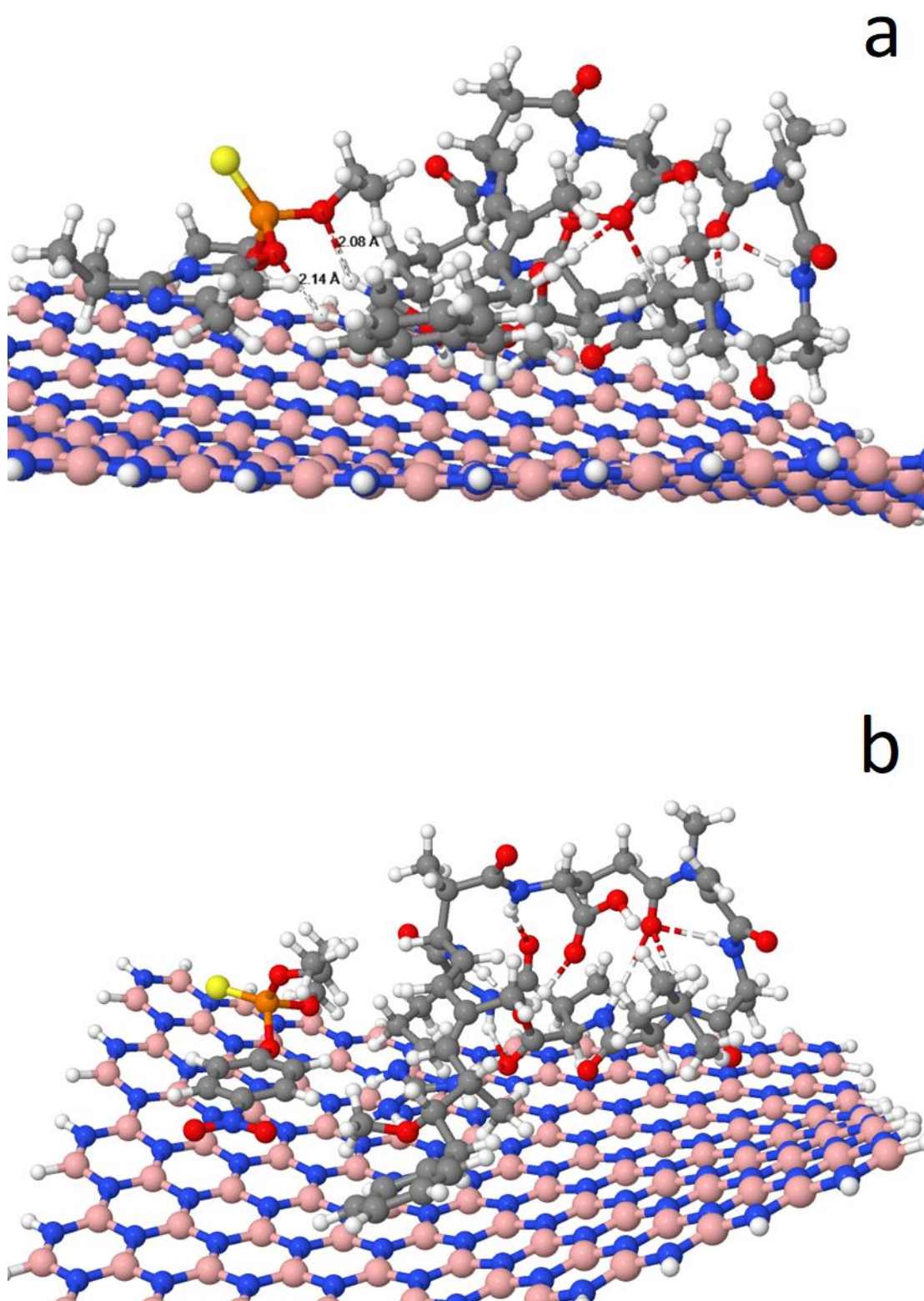


Figure S5. Co-adsorption structure of pesticides (a) dia and (b) par and microcystin-LR (mc) on hexagonal boron nitride (h-BN).

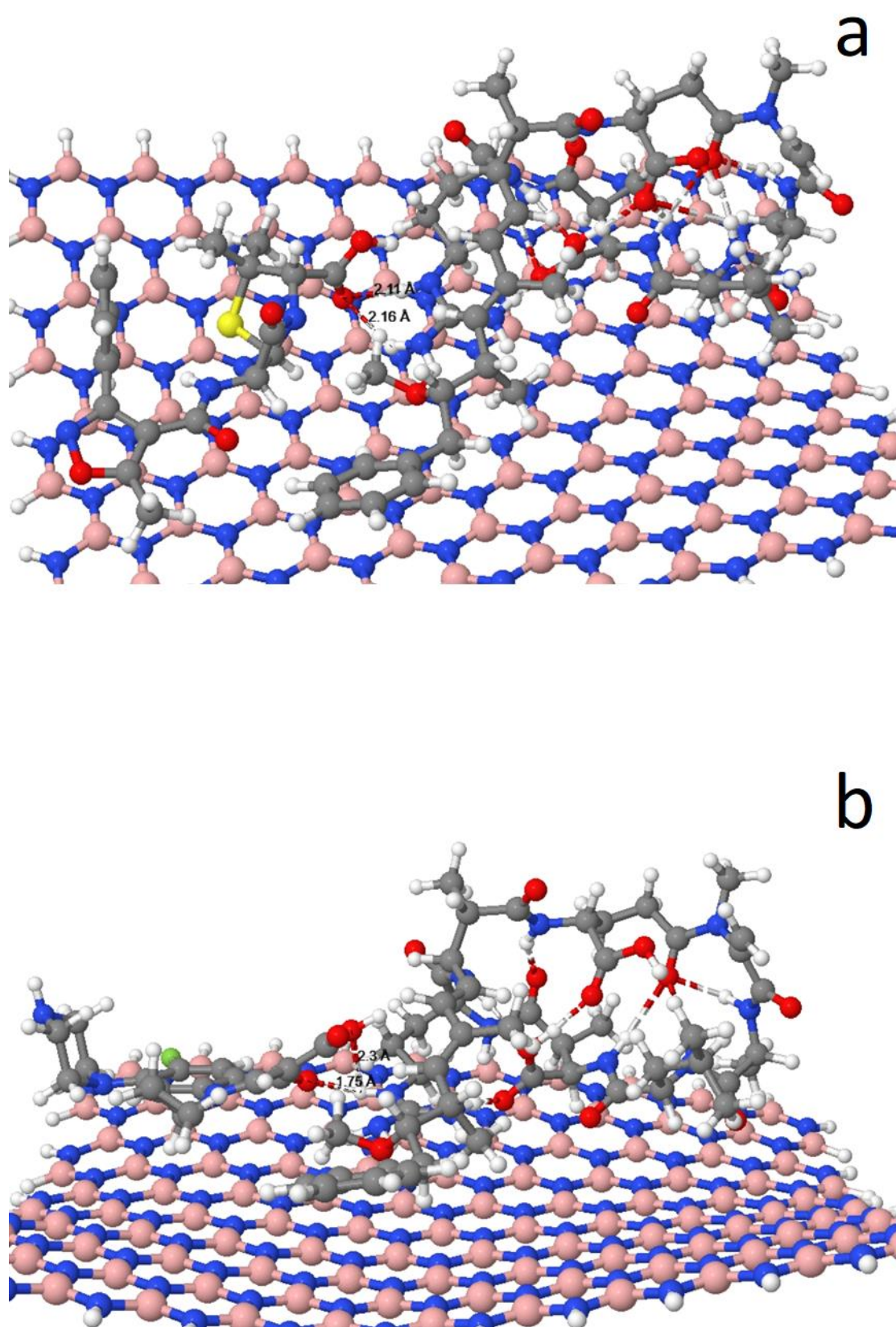


Figure S6. Co-adsorption structure of antibiotics (a) oxa and (b) cip and microcystin-LR (mc) on hexagonal boron nitride (h-BN).