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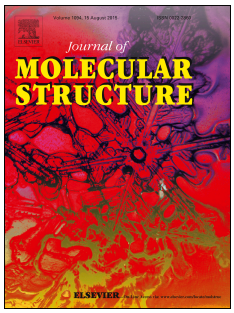

Synthesis, spectroscopic studies, DFT calculations, cytotoxicity and antimicrobial activity of some metal complexes with ofloxacin and 2,2′-bipyridine

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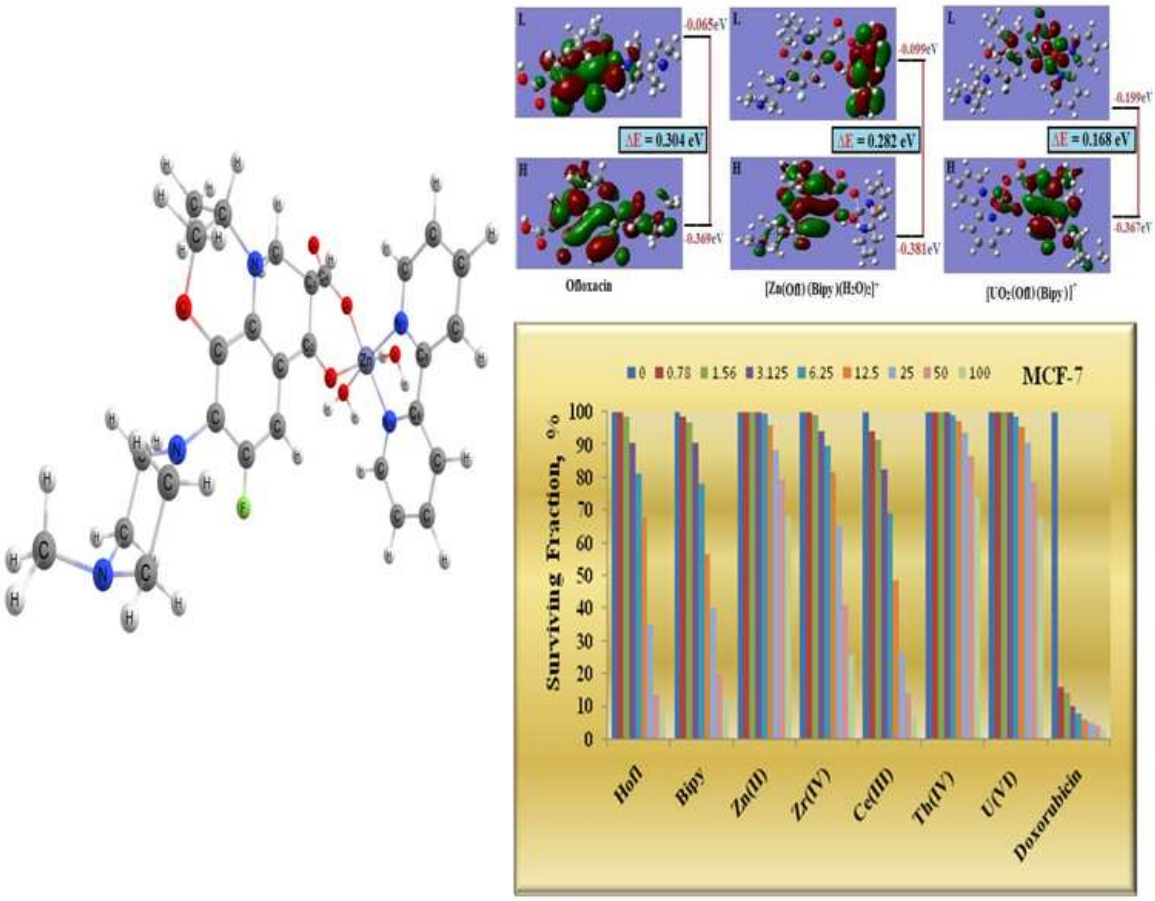
Graphical abstract



A new series of Zn(II), Zr(IV), Ce(III), Th(IV) and U(VI) metal complexes derived from ofloxacin and 2,2'-bipyridine have been synthesized and characterized. The chemical formulas, structures, antimicrobial and antitumor behavior as well as DFT were investigated.