# Almost hom-Poisson algebras and homomorphisms and derivations on hom-Poisson algebras

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We construct hom-Poisson algebra from almost hom-Poisson algebra by using the Hyers-Ulam stability method and prove the Hyers-Ulam stability of homomorphisms and derivations on hom-Poisson algebras by using the direct method and the fixed point method. We moreover investigate the properties of hom-Poisson algebras.