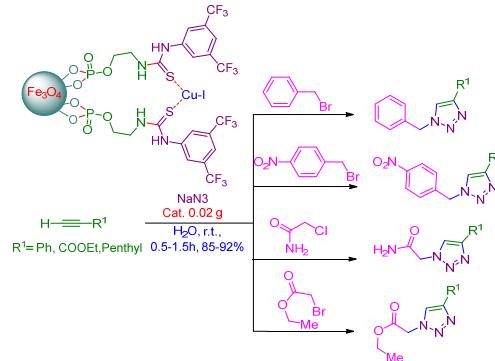
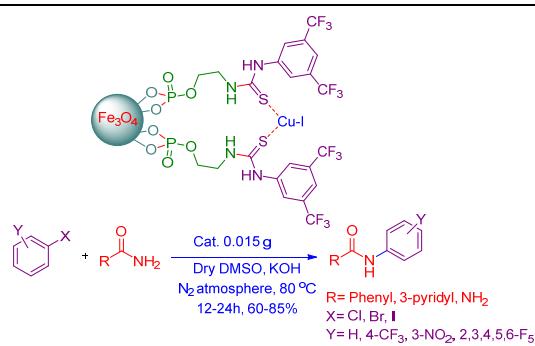


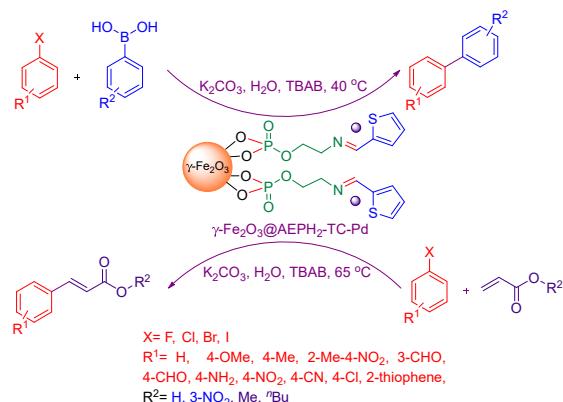
(J) Zolfigol and co-workers reported the design, synthesis and characterization of a novel inorganic-organic Takemoto-like hybrid nanomagnetic catalyst using 2-aminoethyl dihydrogen phosphate as an excellent linker. After structural verification of desired nanomagnetic catalyst, its catalytic performance successfully probed at the synthesis of triazoles through click reaction [14].



(K) In another assay, the abovementioned nanomagnetic supported thiourea-copper(I) has been used as an elegant catalyst at the synthesis of benzamides through coupling reaction under benign reaction conditions. The applied catalyst shows superior potential of recyclability in the tested reaction [14].



(L) In another exploration, thiophene methanimine-palladium Schiff base complex anchored on decorated $\gamma\text{-Fe}_2\text{O}_3$ with 2-aminoethyl dihydrogen phosphate ($\gamma\text{-Fe}_2\text{O}_3/\text{AEPH}_2\text{-TC-Pd}$) was synthesized. The constructed magnetically separable nanocatalyst was applied as superb promoter for Suzuki-Miyaura and Heck-Mizoroki cross-coupling reactions [15].



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