

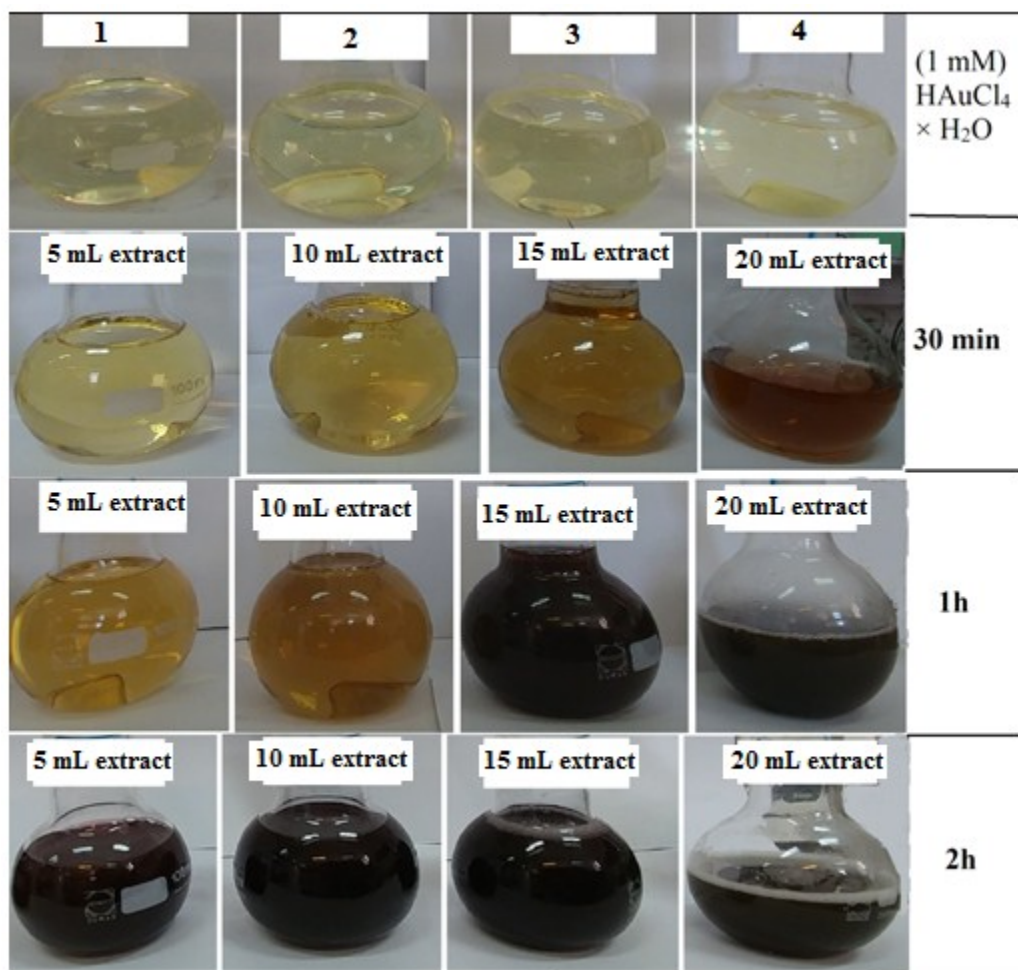
## Green synthesis of Au nanoparticles using aqueous extract of *Stachys Lavandulifolia* and their catalytic performance for alkyne/aldehyde/amine A<sup>3</sup> coupling reactions

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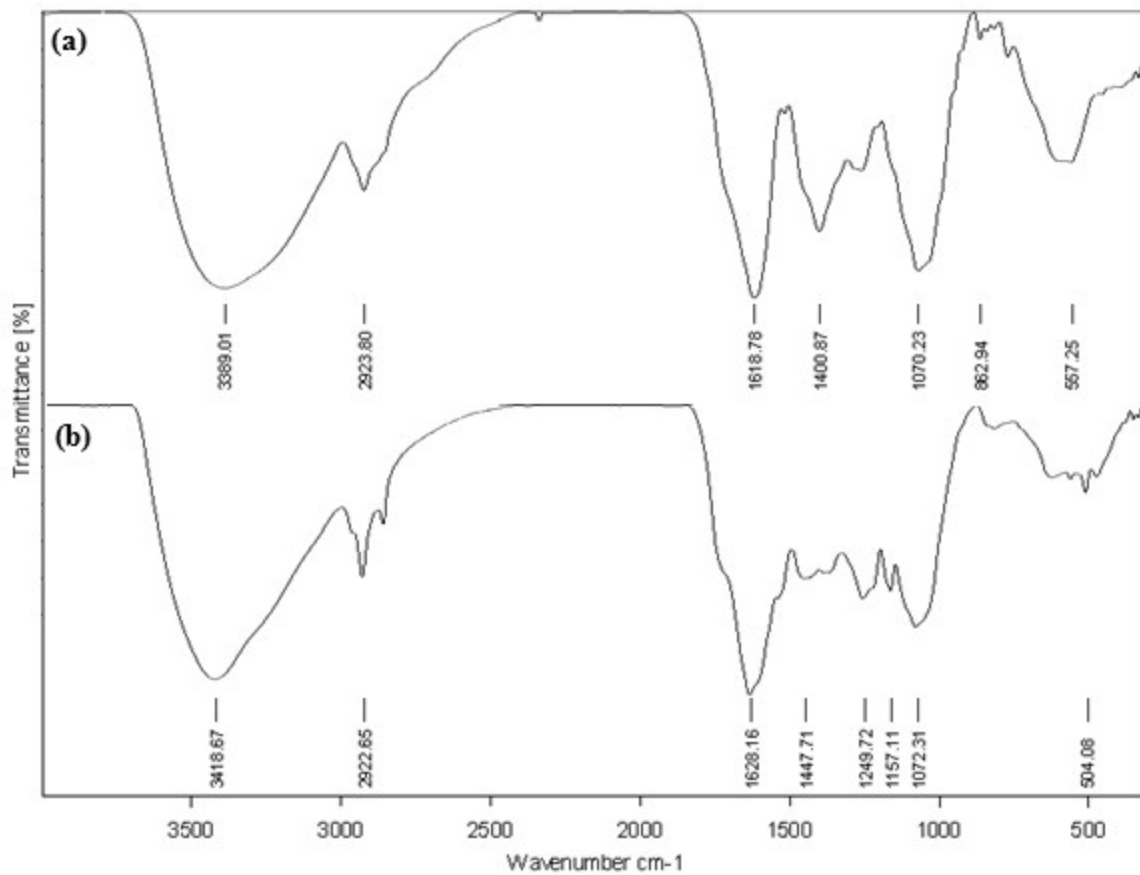
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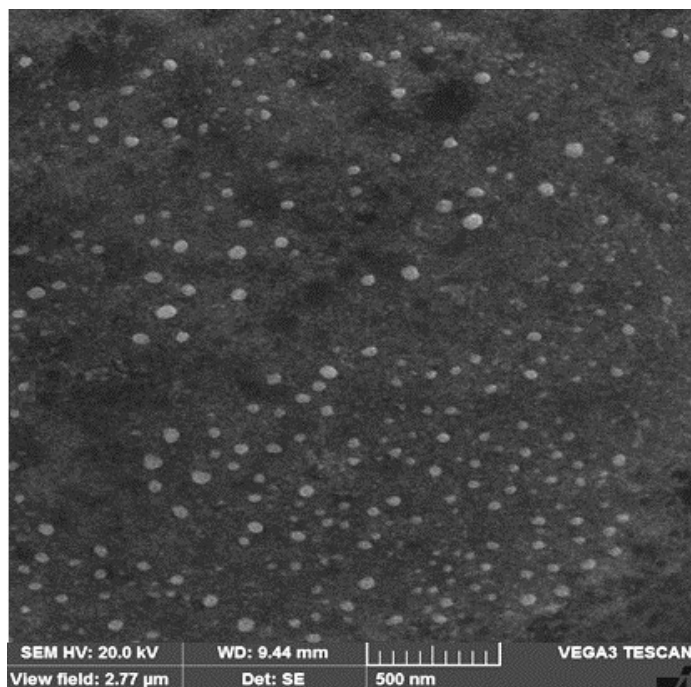
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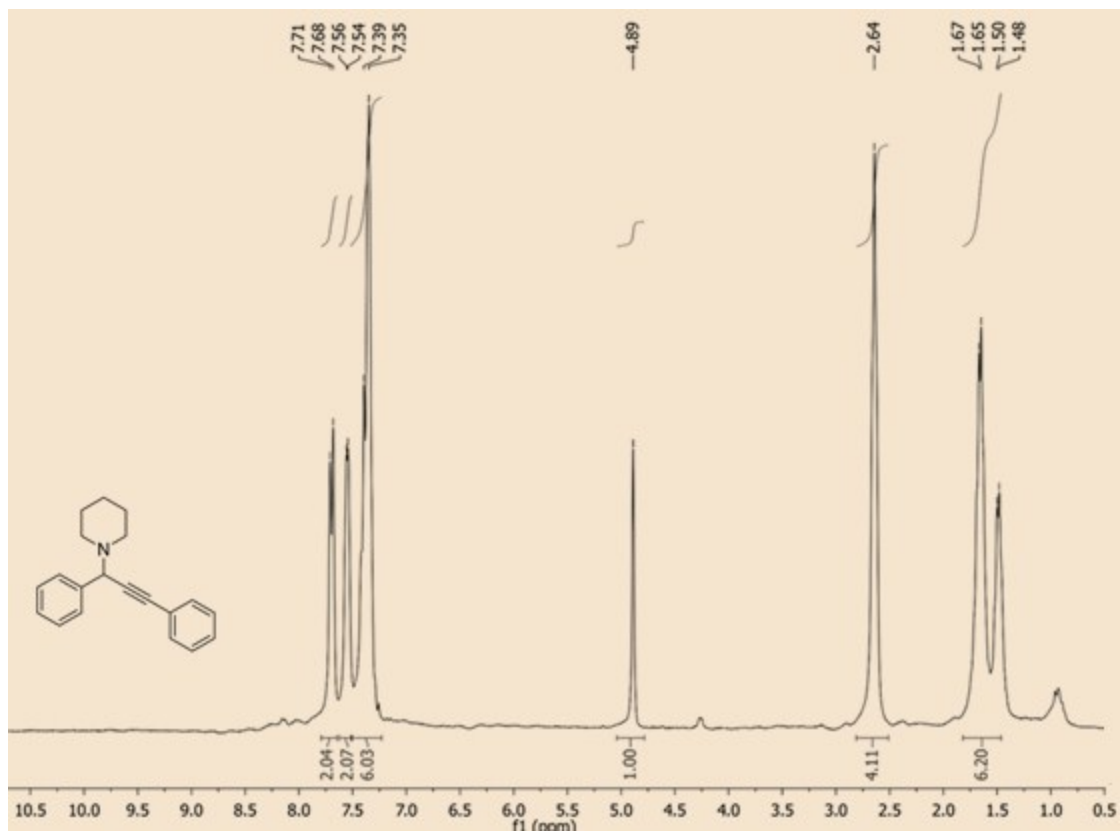
**Fig. 1S.** Effect of time and extract concentrations on synthesis gold nanoparticles.



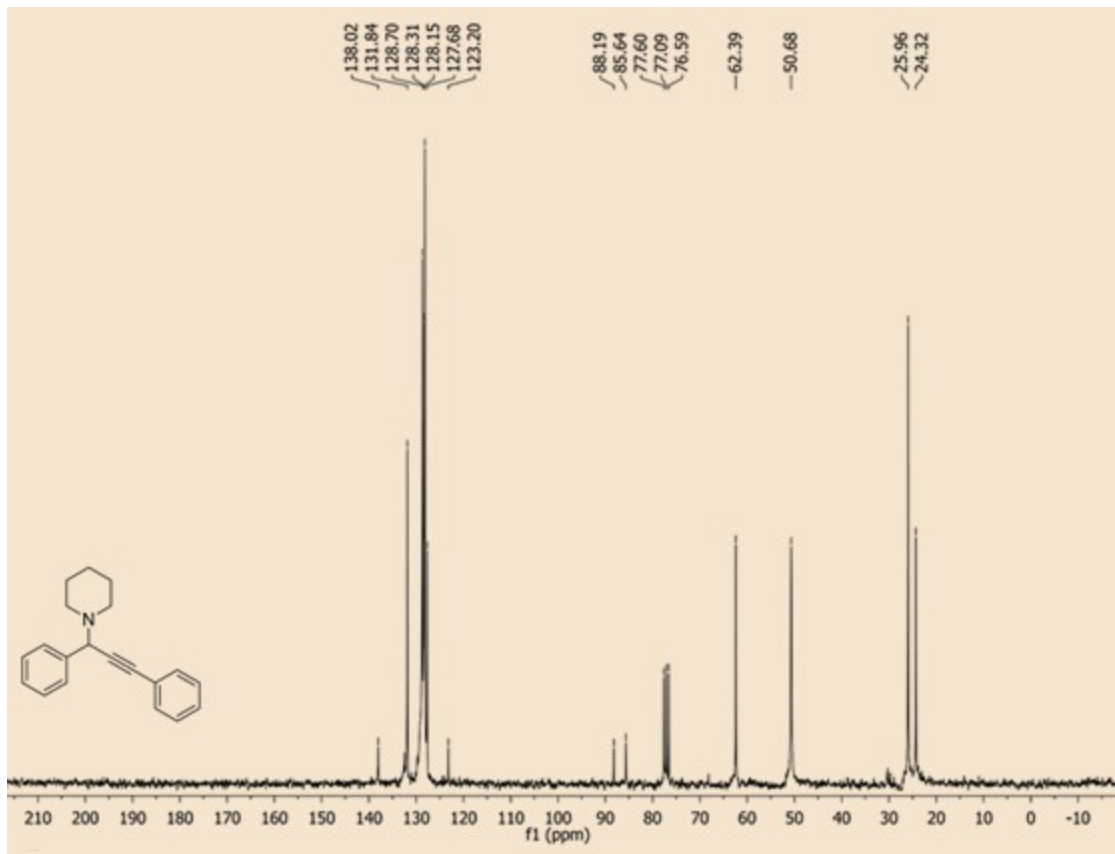
**Fig. 2S.** FT-IR spectra of extract of *Stachys Lavandulifolia* (a) and green synthesized Au NPs (b).



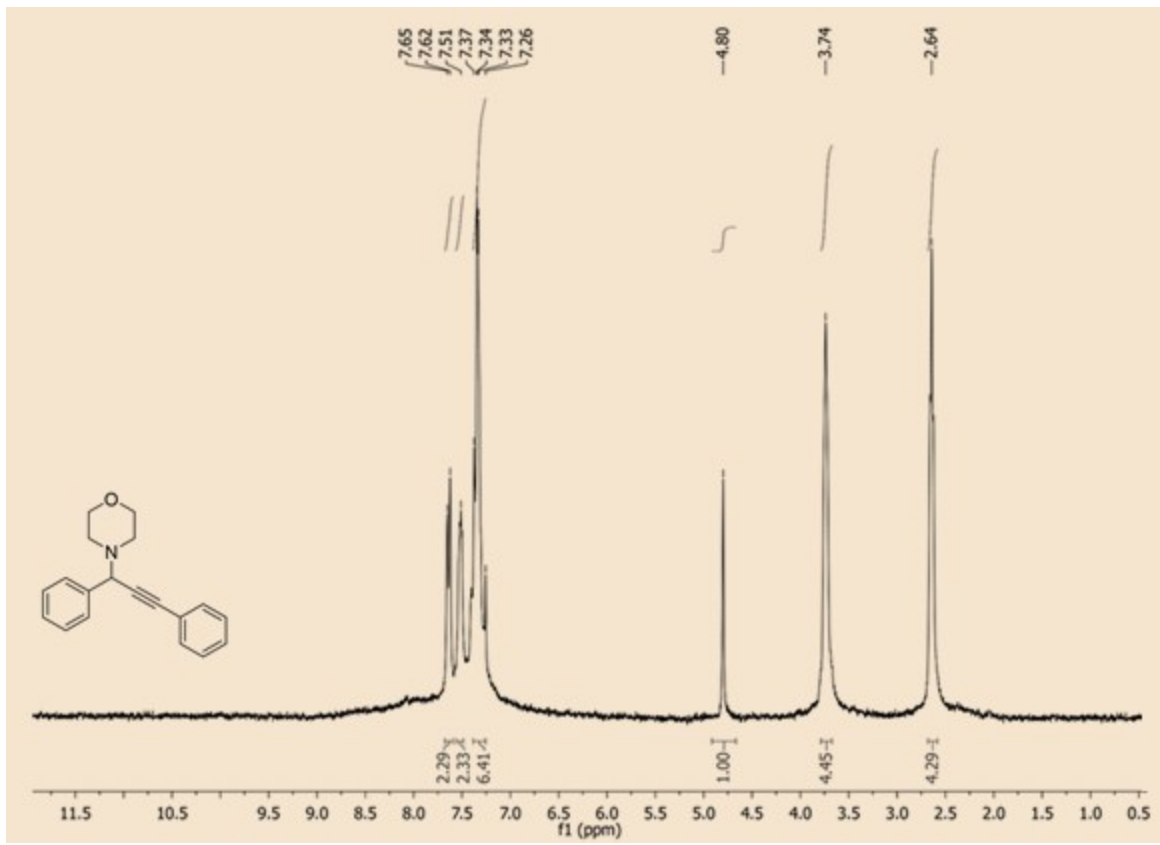
**Fig. 3S.** SEM image of Au/*S. lavandulifolia* NPs.



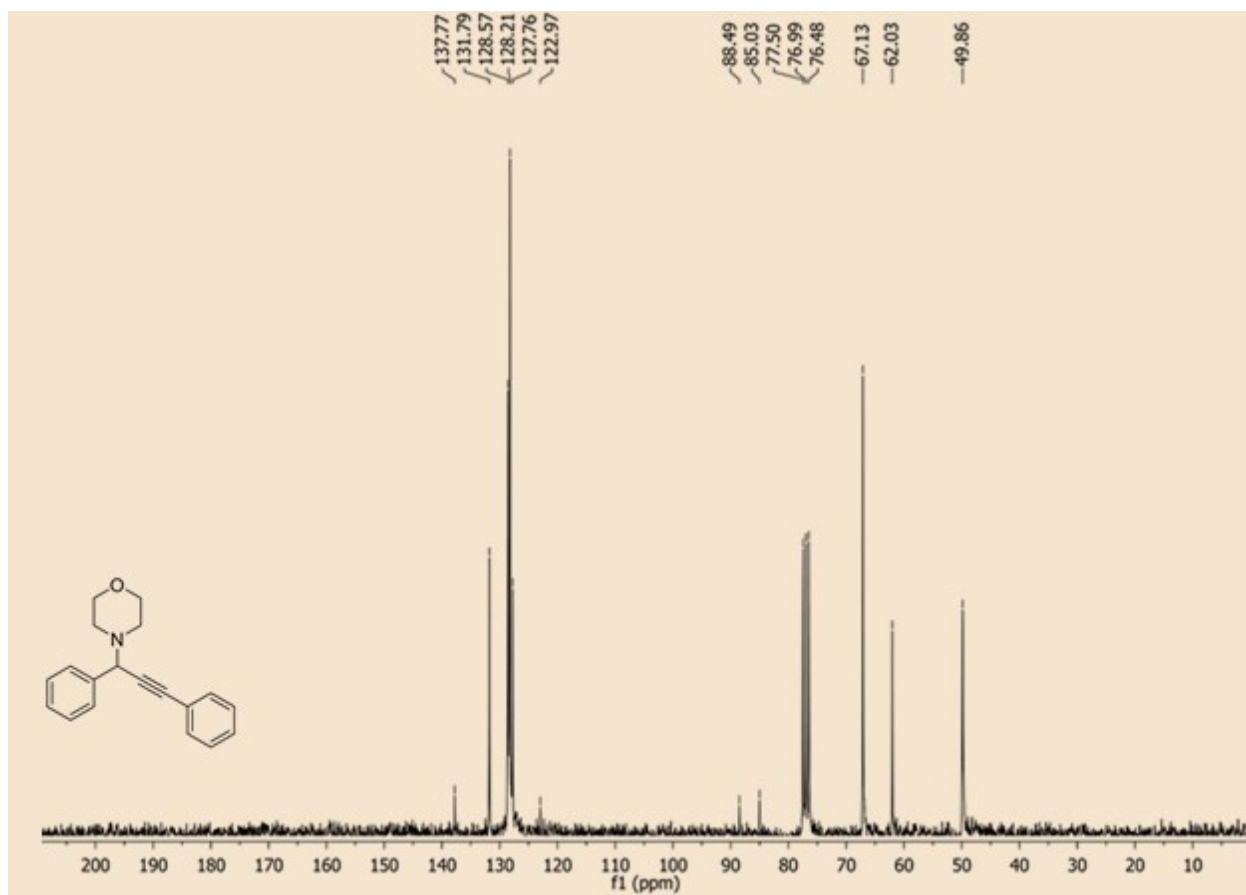
<sup>1</sup>H NMR



<sup>13</sup>C NMR



$^1\text{H}$  NMR



$^{13}\text{C}$  NMR