

Research Article

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Optimization of polyphenol extraction, phenolic profile by LC-ESI-MS/MS, antioxidant, anti-enzymatic, and cytotoxic activities of *Physalis acutifolia*

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Abstract: During the current study, the phenolic and flavonoid contents were measured in *Physalis acutifolia* extracts with Folin–Ciocalteu and AlCl₃ methods, respectively. Various

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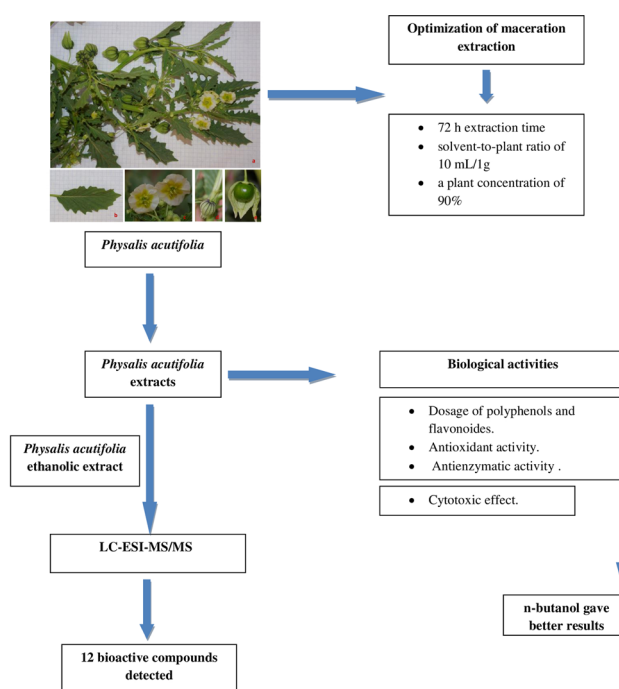
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Graphical abstract

antioxidant assays, including 1,1-diphenyl-2-picrylhydrazyl, ABTS, reducing power, Fe²⁺-phenanthroline reduction, and silver nanoparticle assays, were also conducted, along with anti-enzymatic assays. The cytotoxicity of the ethanolic

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