A review on in silico evaluation of natural derived compounds for inhibition of TMPRSS2

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ABSTRACT

The untapped potential of phytocompounds is always been a promising source whenever there is a demand from mankind. A worldwide pandemic, COVID-19, was originated in Wuhan, China and this was first reported to WHO on 31st December 2019 as "Pneumonia of unknown cause". As time went on, more and more people developed the disease as there was no effective therapy or no access to certain immunisations. Exploration of novel scaffolds can lead to the development of new molecules active against the specific targets in Covid-19 disease mechanism. Present manuscript reviews the current studies on in-silico search of a suitable lead molecule active against host cellular protease, TMPRSS2, which is essential for virus invasion into the host cell.

Key Words- Covid-19, in silico, TMPRSS2, viral protein, phytoconstituents.