A mini review on emerging targets and approaches for the synthesis of anti-viral compounds- in perspective to covid-19

ABSTRACT

The novel Coronavirus disease (COVID-19) is an epidemic disease that appeared at the end of the year 2019 with a sudden increase in number and came to be considered as a pandemic disease caused by a viral infection which has threatened most countries for an emergency search for new anti-SARS-COV drugs /vaccines. At present, the number of clinical trials is ongoing worldwide on different drugs i.e. Hydroxychloroquine, Remedisvir, Favipiravir that utilize various mechanisms of action. A few countries are currently processing clinical trials, which may result in a positive outcome. Favipiravir (FPV) represents one of the feasible treatment options for COVID-19, if the result of the trials turns out positive. Favipiravir will be one of the developed possibly authoritative drugs to warrant benefits to mankind with large-scale production to meet the demands of the current pandemic Covid-19 outbreak and future epidemic outbreaks. In this review, the authors tried to explore key molecules, which will be supportive for devising COVID-19 research.