Ease of inhalation is an important criterion, both for preventing human inhalation of harmful particles and to optimize drug deposition in the respiratory tract. For all orally-inhaled and nasal drug products (OINDPs), particle size is a critical parameter, with clear size ranges specified for deposition and retention in the nasal cavity and

Chromatographic or electrophoretic separation in chemical analysis has classically not been considered to be a "chemical sensor." However, the difficult analyte selectivity issue of direct-reading sensors can be avoided by using a chromatographic or capillary electrophoretic format.

Coronavirus disease 2019 (COVID-19), due to infection by the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), is now causing a global pandemic. Aerosol transmission of COVID-19, although plausible, has not been confirmed by the World Health Organization (WHO) as a general transmission route. Considering the rapid spread of SARS-CoV-2, especially nosocomial outbreaks and other