

An overview on the relationship of climate changes and airborne dust on coronavirus prevalence

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Abstract

In light of the current pandemic, the Corona pandemic, researchers are making a great effort to try to understand and appreciate the characteristics of the SARS-CoV-2 epidemic in order to prevent its spread. It was founded that the virus is increasing in many regions and countries that have achieved clear success in combating environmental pollution or that are not exposed to dusty storm, and infections are increasing again in the same country with different densities of sick people according to the weather temperature and windy season. Three important countries have been taken as case studies, such as Italy, China and Iran. it was found that the regions that are exposed to dust currents are less spreading of the coronavirus. This due to the dust is almost contain 90 % of metal oxide that act as nature photocatalysts for O^{*-2} and *OH production. This oxidizing spices are capable to destroy SARS-Cov-2.

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