عنوان مقاله:

Reviewing Distribution and Calculation of the Radius Spread of a Biological Infection during a Biological Event

نویسندگان:

Siavash Hamzeh pour - *B.S.C. Student of Biochemistry، Department Of Biology, College Of Robae Rashid, Tabriz, Iran*

Ramin Shah Bahrami - *B.S.C. Student of Genetics، Department Of Biology, College Of Robae Rashid, Tabriz, Iran*

Samin Zorrihe hoseyni - *B.S.C Student of Cell &Molcular Biology، Department Of Biology،College Of Robae Rashid،Tabriz،Iran*

Hamed Mohammadzadeh zanglani - *B.S.C Student of Cell &Molcular Biology، Department Of Biology،College Of Robae Rashid،Tabriz،Iran*

خلاصه مقاله:

Crisis is such a situation in which sudden events occur uncontrollably and threaten human life and the environment. When the contaminants are transferred from the source to the receiver, they scatter in the surrounding environment, and ultimately will reach the target with a lower concentration than the initial value. Universal inhibiting laws have caused the attentions growth toward the credibility and the capability of contaminants dispersion models.This was a descriptive– analytical, which was conducted in 2014. In this research, reliable scientific resources, reports and data concerning various experiments in the field were used, and the results were analyzed.This study was an effort to assess the capability of the Gaussian model, which models the distribution of biological contaminants from a point source located at ground level or above the ground level. The impact of important factors such as wind speed,temperature,emission rate of contaminants, release height, etc., which can influence the concentration and distribution of microbial contaminants, were calculated by the model and the results were provided. Mathematical models should be further developed to predict the distribution of pollutants from various sources, and various effects should be considered for simulation.

کلمات کلیدی:

Gaussian model, pollutant concentrations, Sensitivity, Distribution, Atmospheric conditions

لینک ثابت مقاله در پایگاه سیویلیکا:

https://civilica.com/doc/303789