

عنوان مقاله:

Modeling the transport of shigella in silty and fine sand in shallow aquifers in Coastal area of bonny Niger delta; rivers state of Nigeria

محل انتشار:

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خلاصه مقاله:

Modeling the transport of shigella in silty and fine sand formation in shallow aquifer has been developed, the model were generated to monitor the transport of shigella in coastal area of bonny, as coastal environment there are lots of influence in the soil formation, the major variable were considered in the development of the theoretical model, this condition were assessed and were integrated , this variables were considered and it develop a system that generated the model equation since the microbes are found to be in exponential phase ,because of high degree of porosity and permeability of the soil formation, the mathematical equation were found to consider these variables to ensure it predict the rate of deposition of shigella in silty and fine sand formation, the model developed predict the transport of shigella in the coastal area of bonny, Niger Delta area of Nigeria, the model will be one of the baseline to reduce high rate of shigella in the study area, the study has also provide a design benchmark for practicing engineers and scientist .to ensure that thorough ground are provide by application of the these design model

کلمات کلیدی:

Modeling , Transport , Shigella , Fine sand

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