

عنوان مقاله:

Mathematical modeling to monitor physiochemical interaction with e. coli transport in homogeneous fine sand on the application of colloid filtration method in port harcourt, Niger delta of Nigeria

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خلاصه مقاله:

Excessive usage of different types of chemical constituents through the activities of man has caused a lot of pollution in soil and water environment. The deltaic environment are not left behind, in fact it is an area to be taken as the worst condition in research of groundwater pollution transport in developing nation. This has reflected on high concentration of different types of pollution sources influenced by the activities of man as industrialized environment. Formation characteristics that reflect the deltaic nature of the soil has been expressed in geologic history to be predominant with alluvium deposition with high yield rate of groundwater known as Benin formation. Such condition has generated degradation of water quality in the study area. In line with this conceptual framework mathematical model were developed expressing these variables in the system that influence the migration of E.coli under the influence of physiochemical deposition at various formations. The model will definitely monitor the behaviour of E. coli transport under the influence of these chemical properties in soil and water environment.

کلمات کلیدی:

Pollution , Environment , E. coli tra E.coli transport nsport

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