

عنوان مقاله:

Kinetics adsorption of Amoxicillin from aqueous solution by Graphen Oxide- Gold nanoparticles (GO-AuNPs) nanocomposite as novel adsorbent

محل انتشار:

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خلاصه مقاله:

In this research, Graphene Oxide- Gold nanoparticles (AuNP/GO) were easily fabricated by a redox reaction between GO and chloroauric acid without using any additional reductant and then used to stabilize Pickering emulsions. (AuNP/GO) was investigated by FT-IR spectroscopy. The changes of parameters such as contact time, pH, Amoxicillin initial concentration and temperature were tested and investigated by several adsorption experiments various factors affecting the uptake behavior such as initial concentration, contact time and temperature were studied. The adsorption kinetics well described by a pseudo-second-order rate model. The adsorption kinetics well described by a pseudo-second-order rate model. The adsorption kinetics well described by a pseudo-second-order rate model.

کلمات کلیدی:

Adsorption, Amoxicillin, Chloroauric acid, Gold nanoparticles, Graphene oxide, Kinetics parameters

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