

عنوان مقاله:

Synthesis and Evaluation of the Performance of CuFe O /GO Photocatalyst for the Degradation of Methylene Blue

محل انتشار:

پنجمین کنگره ملی شیمی و نانوشیمی از پژوهش تا فناوری (سال: 1401)

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خلاصه مقاله:

Herein, the GO/CuFe₂O₄ has been synthesized as a novel nanocomposite to examine its performance in biomedical and photocatalyst activities. Then, the magnetic nanocomposite was characterized by FT-IR and UV-Vis. In this work, the nanocomposite was applied to degrade methylene blue. The dye degradation process attained ۹۲.۵ promising efficiency in only ۶۰ min and just ۴.۴ degradation after ۳۰ min in dark conditions.

کلمات کلیدی:

Environmental application, graphene oxide, CuFe₂O₄ NPs

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