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Investigating the Photocatalytic Application of $Nd_2CuFe_2O_7$ Nanocomposite to Remove Organic Dyes.

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Photocatalyst degradation of dyes or organic pollutions in wastewater is one of the methods of removing these pollutions.These methods have advantages including the total deterioration of contaminations, being environmentally friendly and sustainable treatment technology to protect the environment, possibly in a less expensive method. [1,2] In this work The photocatalytic property of $Nd_2CuFe_2O_7$ nanocomposites were investigated using the photodegradation of methyl violet, and malachite green oxalate and Erio chrom black T, under ultraviolet light irradiation at various parameters such as, temperature, pH of solution, dye concentration, catalyst amount and time UV radiation. The results show that these nanocomposites have applicable photocatalytic performance.

Keywords: Nanocomposites, ,Photocatalyst , Degradation , Methyl violet , Malachite green

References

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