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**Effect of composition on rheological behavior of iron oxides produced by hydrothermal method**

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**Abstract**

The aim of the present work was to investigate the rheological properties of different iron oxides ( $\text{Fe}_3\text{O}_4$ ,  $\text{NiFe}_2\text{O}_4$ ,  $\text{ZnFe}_2\text{O}_4$  and  $\text{Ni}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4$ ) aqueous suspensions. The oxides were produced through mixing the respective metallic sulfates within a closed

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