

ABSTRACT :

The mixed oxides of $\text{SiO}_2\text{-TiO}_2$, $\text{MoO}_3\text{-SiO}_2\text{-TiO}_2$, $\text{CoO-SiO}_2\text{-TiO}_2$ and $\text{MoO}_3\text{-CoO-SiO}$ are prepared from a stable homogeneous mixture based on transition metals. During the preparation, it is necessary to know the duration of the stability of this solution, to control its stability, use the Zetasizer. The sol-gel process is one of the most widely used synthetic methods. This leads to the formation of homogeneous products. In present study; the structure, composition, particle size, morphology and porosity of the particles are obtained. The nanostructured mixed oxides has been characterized by physico-chemical analysis methods, including Acidity, Zeta potential, FTIR, BET, X-ray dif- fraction and TEM