الآية

بسم الله الرحمن الرحيم

قال تعالى :

﴿إِنَّ اللَّهَ عِندَهُ عِلْمُ السَّاعَةِ وَيُنَزِّلُ الْغَيْثَ وَيَعْلَمُ مَا فِي الْأَرْحَامِ ۖ وَمَا تَدْرِي نَفْسٌ مَّاذَا تَكْسِبُ غَدًا ۖ وَمَا تَدْرِي نَفْسٌ بِأَيِّ أَرْضٍ تَمُوتُ ۚ إِنَّ اللَّهَ عَلِيمٌ خَبِيرٌ ﴾(34)

صدق الله العظيم

سورة لقمان الاية(34)

Dedication

Dedicate this work:

To the soul of my father

To the soul of my wife

To my mother

To my children

To all my family

… And my special ...

Acknowledgement

All my pleasure to those whom support and encouraged me throughout my graduate studies. My parents specially my mother, my brothers , my sisters and my friends.

All my pleasure to my supervisor associate professor Rawia abdelgani , Dr. Ali Suleiman , UZ: Ammar Adam and UZ: Mogahid Mohammed for their great support that they offered wich made the completion of this study possible.

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Abstract

Silicon dioxide nanoparticles, also known as silica nanoparticles or Nano-silica, are the basis for many a lot of biomedical research due to their stability, low cost and ability to be functionalized with a range of molecules and polymers.

Silicon Oxide Nanoparticles Applications:

Paint, plastic, rubber color and magnetic materials, in addition Nano-silica can be widely used in ceramics (sugar) porcelain, gypsum, batteries, adhesives, cosmetics, glass, steel, fiber glass, and many other fields of environmental protection products upgrading.

In this study, a different sample of silicon was selected to investigate the transmission of radiation by an ultraviolet spectrometer. Three samples of silicon dioxide were prepared. At different periods of curushing optical properties were studied, including the attenuation coefficient, absorption and transmission.

المستخلص

الجسيمات النانوية لثاني أكسيد السيليكون، والمعروفة أيضا باسم الجسيمات النانوية للسيليكا أو نانوسيليكا، هي الأساس لكثير من البحوث الطبية الحيوية نظرا لاستقرارها، وانخفاض ثمنها والقدرة على التفاعل مع مجموعة من الجزيئات والبوليمرات.
تطبيقات الجسيمات النانوية اكسيد السيليكون:
الطلاء والبلاستيك ولون المطاط والمواد المغناطيسية ، بالإضافة إلى ذلك، النانو السيليكا يمكن أن تستخدم على نطاق واسع في السيراميك والخزف والجبص والبطاريات والمواد اللاصقة ومستحضرات التجميل والزجاج والصلب والألياف والزجاج، والعديد من المجالات الأخرى فى ترقية منتجات حماية البيئة.
في هذه الدراسة تم اختيار عينه مختلفة من السيليكون للتحقق من انتقال الأشعة بواسطة جهاز مطياف الاشعة فوق البنفسجة. تم تحضير ثلاث عينات من ثاني أكسيد السيليكون التى تم طحنها في فترات طحن مختلفة تم دراسة الخصائص البصرية لها، بما في ذلك معامل التوهين والامتصاص والانتقال.

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