

Potential of Titanium Dioxide and its Application

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Abstract: *Now a day's metal and metal Oxides including titanium dioxide have been widely studied, due to their importance in recent medical therapies, catalysis, photocatalysis, antibacterial agent and also as nano paints. It is an inorganic compound with attractive physical and chemical characteristics based on the size, crystal phase and shape of particle. Utilization of titanium dioxide is natural amicable because of some electrical, optical and morphological properties, TiO₂ nanoparticles were concentrated as photosensitizing specialist in the treatment of harmful growth just as in photodynamic inactivation of anti-microbial opposition microscopic organisms. TiO₂ is also used to mineralized organic compound such as alcohol, carboxylic acid, phenolic derivatives using oxygen as primary oxidant. TiO₂ has been also used as bleaching, opacifying agent and as U.V protector in cosmetics, paints and enamel.*

Keywords: Titanium Dioxide

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