

## Gold Nanoparticles as A New Tool for Lighting Trees

Assist. Prof. Dr. Mona.Moh. Moh. Saleh

Assistant Professor at El Shorouk Academy, Graduated from Cairo University, Senior of Architecture at (Space) Consultants Office

[Dr. Mona.Saleh@Yahoo.Com](mailto:Dr.Mona.Saleh@Yahoo.Com)

### ABSTRACT

When we talk about futuristic architecture we're talking about a new concept of aesthetics through technological advances. It is not based on old perspectives; rather, it has new directions and unclear horizons. The goal is to achieve maximum performance with minimal environmental impact. The use of modern materials has changed the architectural concept to make materials lighter, more efficient and less environmentally impacting.

In addition to the traditional static conception of space, our task is to study the impact of emerging technologies on architecture and their applications... They are the key element of this new architectural language. The primary themes from static compositions arranged on basic tectonic principles have been greatly changed to becoming the new subject of a new composition.

Nanotechnology and its applications represent a classification that challenges classification as a model architecture. It proposes a new concept that has a radically different appearance from almost any existing architectural element. By placing gold nanoparticles inside tree leaves, it causes them to give off a reddish glow.

This research suggests using gold nanoparticles to light trees. We are replacing street lights with light-emitting trees (that's a great idea).

### KEYWORDS:

Gold Nanoparticles – Nano Technology – Light Trees - Futuristic Architecture.