

# Review of: "The unique properties of nanomaterials such as high electrical conductivity, better shock tolerance, and sensitive responses such as versatile piezo-electric"

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The unique properties of nanomaterials such as high electrical conductivity, better shock tolerance, and sensitive responses such as versatile piezo-electric and color detection mechanisms are only results of the multitude of properties of nanomaterials. Different types of biosensors are propagated based on different types of nanomaterials and their developmental and implicit aspects. Measurement of biological responses has assumed great importance in the current scenario of ever-dynamic environmental developments and altered hemostatic events occurring at the *in vivo* as well as intracorporeal level. Analyzing the behavior of changing materials is of great importance in areas such as pharmaceutical diagnostics, food quality screening, and environmental applications. In this reference, the development of efficient nano biosensors that can analyze the minutest details of biological interactions even on a very small scale with extreme accuracy and maximum sensitivity is always possible and deserves urgent attention as a major component of biosensing mechanisms. Transduction is the task of converting bioanalyte interactions in a detectable and reproducible manner using transfer mechanisms. Nanomaterials can be a very surprising factor in this dimension because they have a high surface-to-volume ratio, which allows the surface to be used in a better and more diverse way. Furthermore, their electromechanical properties are a tremendous asset for biosensor technology. The nanostructural marvels offered by nanotechnology have revolutionized existing molecular events that have provided an opportunity to manipulate atoms and molecules and observe biological phenomena at the physiological level with much greater precision. The term "nano biosensor" is a misnomer in the sense that it prefixes the word "nano" with it. Because nanoscience is interdisciplinary in nature, putting the word nano as a prefix often means using or manipulating a scale equivalent to a billionth of a meter.

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