

Review of: "Nanomaterials: History, Production, Properties, Applications, and Toxicities"

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This review is very interesting, since it covers a relatively new field of research that is increasing tremendously. NMs are invading our lives from different corners such as medicine, agriculture, industry, environment, water treatment...this would definitely have a real impact on our health and the quality of life, either positively or negatively. The authors have successfully outlined the background behind these new materials, starting from a historical itinerary and developing the different types of NMs, their properties, and their use. Focus has been placed on the more challenging aspects of use, mainly in the field of medicine, where particular attention should be taken to avoid ethical deviation or unexpected side effects of NPs. Involvement of NMs in other sectors has been developed, such as in the energy sector and detection of pollutants in different compartments and their catalyst activity in the degradation of pollutants. At the end, the authors have outlined, in a comparison approach, the negative and positive effects of NMs on our social behaviour and on the environment. The review is supported with a rich bibliographic list that will definitely serve as a source of information for students and researchers.