

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

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Potential competing interests: No potential competing interests to declare.

After careful reading, the manuscript is only the summary of some notable reviews that are already present in the literature. See, for example, 1) Nanomaterials history, classification, unique properties, production and market by Parappurath N. Sudha* et al., Kchp 12 in Emerging Applications of Nanoparticles and Architectural Nanostructures. <http://dx.doi.org/10.1016/B978-0-323-51254-1.00012-9>, 2018, Elsevier; 2) Manufacturing nanomaterials: from research to industry by Costas A. Charitidis et al., open access, see <https://doi.org/10.1051/mfreview/2014009>; 3) Recent Progress on Titanium Dioxide Nanomaterials for Photocatalytic Applications, by Maryline Nasr, Cynthia Eid, Roland Habchi, Philippe Miele, Mikhael Bechelany, ChemSusChem, 2018, 11(18), pp.3023-3047. 10.1002/cssc.201800874; 4) Nanoparticle toxicity: an overview of its mechanism and plausible mitigation strategies, by Nitin Sharma et al., Journal of Drug Targeting, 1–13. <https://doi.org/10.1080/1061186X.2024.2316785>.

Consequently, there is neither the novelty of the work, which adds a chapter on photocatalysis that is not guaranteed to be implemented with NPs, nor a dissemination purpose, which appears too approximate. A lot of work must be done by the authors to improve the novelty of their submission.