

Nano-technology Advances Around the World and Its Relevance to the CARICOM Region

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Abstract

Nano-technology is becoming critically important in various industrial fields, introduces new platforms for wealth creations and offers an abundance of opportunities for improving the standard of living. Significant developments have already taken place to establish the new knowledge of nano-science and manufacturing. This has been achieved using interdisciplinary collaborations. Numerous market reports and forecasting trends predict a rapid growth in commercial products with increased performance, miniaturisation and acceptance. Despite the massive developments in nano-technology around the world, even traces of nano-initiatives are not apparent in the Caribbean community (CARICOM) region. This paper addresses the global developments in nano-technology and their relevance to the CARICOM region. Also, a new interdependent approach is proposed describing the focus and the nice areas.

Keywords: Nano-technology, nano-fabrication, ultra precision