Can emerging technologies make a difference in development?

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Nanotechnology for potable water and general consumption in developing countries

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Abstract

This chapter discusses water and its sources; the main focus is put on surface water and ground water. Factors such as water pollution and sewage are also discussed in areas of mining and agriculture. Furthermore the global water challenges that affect people in developing and developed countries. The challenges outlined are; poor governance, water scarcity, sanitation and climate change. Nanotechnology is sufficiently advanced to help provide potable water and water for general assumption in developing countries. The technology to be implemented will depend on the available infrastructure, and in most remote areas in developing countries where potable water is required, these include such rudimentary basics as electricity and accessibility. Water is vital to sustain life in every organism, including human beings. As a basic need for rich and poor alike, water takes on primary importance among public resources, one that we need to better understand and sustain.