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Nanodevices

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Nanodevices are the critical enablers that will allow mankind to exploit the ultimate technological capabilities of electronic, magnetic, mechanical, and biological systems. The introduction of nanotechnology in biomedical applications has facilitated the exact control and regulation of biological environments. There are many interesting nanodevices and nanomaterials being developed that have a potential to improve cancer detection, diagnosis, and treatment. Nanodevices will ultimately have an enormous impact on our ability to enhance energy conversion, control pollution, produce food, and improve human health. The use of Nanodevices is to confirm the entry of the produced nanoparticles into cells opening new sights for the use of these particles as drug/gene delivery agents and/or as a new method for optimal imaging when methodologies like x-ray computed tomography or magnetic resonance cannot be used. Nanodevices has developed new and innovative concepts and methods for measuring and characterizing airborne ENP with novel portable and easy-to-use device for workplaces. This ability is derived from the small size of the devices and their multifunctional capabilities to operate at specific sites for selected durations of time.