

# Renewable Energy Resources Based on Triboelectric Nano Generators

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The growth of global population and the energy demand, limitations in fossil fuels and their shortage, have all motivated human beings to explore new approaches for energy supply. With the innovations in technology, the use of renewable resources has been the center of interest in this regard. Among these resources, are triboelectric nano generators that have the capacity to turn mechanical energy into electrical energy that can be used. These devices exploit natural mechanical movements of human body, wind and oceans to generate electricity. The idea of using these natural resources that are available to all human beings has always been a dream and today, it has come true. Herein, the mechanisms of energy generation and energy intakes are reviewed in simple words by various approaches.

**Keywords: Renewable resources, Triboelectric nanogenerators, Electrical Energy, Mechanical Energy, Wearable Nanogenerators**

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