NANOTECHNOLOGIES IN ELECTRONICS:
PROSPECTS OF DEVELOPMENT

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Considered issue of the level of the nanotechnology of today. Presented a shot characteristic of the history of the development of nanotechnology; positive and negative sides. We discuss issues of nanotechnology development today, especially in electronics. According to experts, nanotechnology will be the driving force behind the next industrial revolution and will change our way of life. Research and development of nanotechnology are on the rise in the pursuit of original and useful things, and at a time when the rise of factory production, very little is done to annul the safety of society and the environment. Obviously, to achieve the best and most useful results, you need international coordination: it is necessary to find ways of harmonizing scientific research, sharing costs and exchanging information between countries and between economic regions.

Experts believe that nanotechnology will become the driving force of the next industrial revolution, and will change our way of life. Research and development of nanotechnology are in a state of recovery in the pursuit of original and useful things, and at the time when there is a rise of factory production, very little is done to guarantee the safety of the public and the environment.

Nanotechnology promises huge potential benefits in improving almost all industrial products, computers, cars, clothing, food, medicines, batteries and more. On the other hand, more and more question: are they safe? A growing number of research reports and the government warns that created nanoparticles may pose a risk to human health and the environment, held at a little research on their toxicity Therefore, nanotechnology include a wide range of technologies to control the structure of matter at the level of atoms and molecules. Obviously, to achieve the best possible results, and useful international coordination is required: it is necessary to find ways to harmonize research, sharing costs and sharing of information between countries and between economic regions.

Keywords: nano, nanotechnology, nanotechnologies of today, electronics.