



## YANGI O'ZBEKISTONDA ILM-FAN TARAQQIYOTI OLIMLAR NIGOHIDA

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*Abdusattarova Shohsanam Alisher qizi*

*SamDCHTI Ingliz tili fakulteti*

*Maktabgacha va Boshlang'ich ta'lim yo'nalishi*

*2-bosqich 2303-guruh talabasi*

*Scientific tutor: Zubaydova Nilufar Ne'matullayevna*

*[shohsanamabdusattarova@gmail.com](mailto:shohsanamabdusattarova@gmail.com)*

*+998937741106*

### THE SCIENTIFIC DEVELOPMENT IN NEW UZBEKISTAN THROUGH THE EYES OF YOUNG SCHOLARS

**Abstract:** The journey toward scientific progress in New Uzbekistan, as viewed by young scholars, is marked by hope, ambition, and a drive for global excellence. Their contributions and perspectives not only align with the national development goals but also represent a promising future where Uzbekistan emerges as a hub of knowledge and innovation in Central Asia.

**Keywords:** institutions, "Yangi O'zbekiston", cooperation, Young scholars, innovation, development of Uzbekistan.

#### Introduction

In recent years, Uzbekistan has embarked on a journey to revitalize its scientific and educational sectors. As part of President Shavkat Mirziyoyev's vision for "Yangi O'zbekiston" (New Uzbekistan), reforms in education and scientific research are being prioritized to cultivate innovation and foster a modern knowledge-based economy. A unique perspective on these changes comes from young Uzbek scholars, who are not only observers but also active contributors to this national transformation.

##### *The Vision of New Uzbekistan*

The "New Uzbekistan" vision is built on principles of openness, modernization, and global integration. At its core, the plan seeks to establish Uzbekistan as a regional leader in science, technology, and innovation. Recognizing the importance of these fields, the government has launched initiatives to overhaul educational institutions, enhance research capabilities, and support the development of young scientists.

##### *Educational Reforms and Youth Participation*



One of the key aspects of this transformation is the focus on education. The government has increased investment in higher education, creating partnerships with prestigious international institutions and expanding access to scholarships for young researchers. The introduction of new programs and curricula aims to equip students with cutting-edge skills and knowledge in various scientific fields. Young scholars are encouraged to pursue research in critical areas, such as renewable energy, information technology, agriculture, and medicine, aligning their studies with the country's developmental goals.

#### *Funding and Research Opportunities for Young Scientists*

The government has also taken significant steps to support young scientists financially. For instance, the Uzbek Ministry of Innovative Development has increased grant funding, providing opportunities for young researchers to work on projects of national and international relevance. These grants cover various fields, including artificial intelligence, nanotechnology, environmental science, and biomedicine, among others. Additionally, collaborative programs with international scientific bodies have allowed Uzbek scholars to gain global exposure and further their research through knowledge exchange.

#### *Scientific Collaboration and Innovation Hubs*

Uzbekistan has been active in establishing scientific cooperation agreements with countries like Russia, China, South Korea, and the United States. These collaborations allow young Uzbek scientists to work with leading experts worldwide, exchange research ideas, and access cutting-edge technologies. Additionally, innovation hubs and technology parks, such as the Tashkent Innovation Center, have been established to create a conducive environment for scientific exploration, start-ups, and research projects.

#### *Challenges and Prospects for the Future*

Despite these advancements, young scientists in Uzbekistan face several challenges. Limited access to high-tech laboratories, insufficient funding for long-term projects, and a lack of mentorship from experienced scientists have been cited as hurdles in their research journey. However, the government's proactive measures, combined with the determination of these young scholars, hold promise for overcoming these obstacles.

Young researchers envision an Uzbekistan that is globally competitive in fields like biotechnology, artificial intelligence, and environmental science. They see themselves as contributors to a knowledge economy where innovation drives economic growth and enhances the quality of life for all Uzbek citizens.



### **Conclusion**

The journey toward scientific progress in New Uzbekistan, as viewed by young scholars, is marked by hope, ambition, and a drive for global excellence. Their contributions and perspectives not only align with the national development goals but also represent a promising future where Uzbekistan emerges as a hub of knowledge and innovation in Central Asia.

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