# МЕЖДУНАРОДНЫЙ ЦЕНТР НАУЧНОГО СОТРУДНИЧЕСТВА «НАУКА И ПРОСВЕЩЕНИЕ»



# НАУКА И ИННОВАЦИИ В XXI ВЕКЕ:

**АКТУАЛЬНЫЕ ВОПРОСЫ, ОТКРЫТИЯ И ДОСТИЖЕНИЯ** СБОРНИК СТАТЕЙ ХХІІІ МЕЖДУНАРОДНОЙ НАУЧНО-ПРАКТИЧЕСКОЙ КОНФЕРЕНЦИИ, СОСТОЯВШЕЙСЯ 12 ФЕВРАЛЯ 2021 Г. В Г. ПЕНЗА

ПЕНЗА МЦНС «НАУКА И ПРОСВЕЩЕНИЕ» 2021 УДК 001.1 ББК 60 Н34

### Ответственный редактор: Гуляев Герман Юрьевич, кандидат экономических наук

H34

**НАУКА И ИННОВАЦИИ В XXI ВЕКЕ: АКТУАЛЬНЫЕ ВОПРОСЫ, ОТКРЫТИЯ И ДОСТИЖЕНИЯ**: сборник статей XXIII Международной научно-практической конференции. – Пенза: МЦНС «Наука и Просвещение». – 2021. – 250 с.

ISBN 978-5-00159-743-8

Настоящий сборник составлен по материалам XXIII Международной научнопрактической конференции «НАУКА И ИННОВАЦИИ В XXI ВЕКЕ: АКТУАЛЬНЫЕ ВОПРОСЫ, ОТКРЫТИЯ И ДОСТИЖЕНИЯ», состоявшейся 12 февраля 2021 г. в г. Пенза. В сборнике научных трудов рассматриваются современные проблемы науки и практики применения результатов научных исследований.

Сборник предназначен для научных работников, преподавателей, аспирантов, магистрантов, студентов с целью использования в научной работе и учебной деятельности.

Ответственность за аутентичность и точность цитат, имен, названий и иных сведений, а также за соблюдение законодательства об интеллектуальной собственности несут авторы публикуемых материалов.

Полные тексты статей в открытом доступе размещены в Научной электронной библиотеке **Elibrary.ru** в соответствии с Договором №1096-04/2016K от 26.04.2016 г.

УДК 001.1 ББК 60

> © МЦНС «Наука и Просвещение» (ИП Гуляев Г.Ю.), 2021 © Коллектив авторов, 2021

ISBN 978-5-00159-743-8

# НАУКА И ИННОВАЦИИ В ХХІ ВЕКЕ

КРИМИНАЛИСТИКА – СТАНОВЛЕНИЕ, ИСТОРИЯ РАЗВИТИЯ ХАРИНА ЭЛЬМИРА НАСИБОВНА	170
УСЛОВИЯ ЭФФЕКТИВНОГО ИСПОЛЬЗОВАНИЯ ЗЕМЕЛЬ СЕЛЬСКОХОЗЯЙСТВЕННОГО НАЗНАЧЕНИЯ, НАХОДЯЩИХСЯ В ДОЛЕВОЙ СОБСТВЕННОСТИ ЧЕРЕПАНОВА ВЛАДЛЕНА ОЛЕГОВНА, ВОЛКОВ НИКИТА ВИКТОРОВИЧ	
ПЕДАГОГИЧЕСКИЕ НАУКИ	180
К ВОПРОСУ О ПСИХОЛОГО-ПЕДАГОГИЧЕСКОЙ ДИАГНОСТИКЕ ДЕТЕЙ С ОПОРНО- ДВИГАТЕЛЬНОЙ ДИСФУНКЦИЕЙ СОЛНЦЕВА ЕКАТЕРИНА ИГОРЕВНА	181
THE PRIORITY OF THE DEVELOPMENT OF TALENTED CHILDREN'S CREATIVITY IN UZB RAKHIMOV MINHOJIDDIN MUKHAMMADGOLIB OGLI	
ТЕХНОЛОГИЯ КОНТРОЛЯ РЕЗУЛЬТАТИВНОСТИ ТРЕНИРОВОЧНОГО ПРОЦЕССА В ДЕ ФУТБОЛЬНОЙ ШКОЛЕ ДМИТРИЕВ ПАВЕЛ ВЛАДИМИРОВИЧ	
МОДУЛЬНОЕ ОБУЧЕНИЕ В РАЗВИТИИ СОЦИАЛЬНОГО ИНТЕЛЛЕКТА ДЕТЕЙ ДОШКОЛ ВОЗРАСТА В ЭКСПЕРИМЕНТАЛЬНОЙ ДЕЯТЕЛЬНОСТИ ТАВЕД ИРИНА АЛЕКСЕЕВНА	
POSSIBILITIES OF INTERACTIVE EDUCATION IN THE FORMATION OF VOCATIONAL TRABOYEV SALIMBOY AKROMOVICH	
ОСОБЕННОСТИ ЗДОРОВЬЕСБЕРЕГАЮЩИХ АСПЕКТОВ РАЗВИТИЯ МЛАДШИХ ШКОЛЬ ОБУСЛОВЛЕННЫХ ЭПИДЕМИОЛОГИЧЕСКОЙ ОБСТАНОВКОЙ ПРОНИНА АНЖЕЛИКА НИКОЛАЕВНА	
МЕДИЦИНСКИЕ НАУКИ	202
ТРАНСПЛАНТАЦИЯ – ШАНС НА ВТОРУЮ ЖИЗНЬ ГИЗАТУЛЛИНА АЛСУ ХАСАНОВНА	203
ФАРМАЦЕВТИЧЕСКИЕ НАУКИ	207
ИДЕНТИФИКАЦИЯ ОРНИДАЗОЛА В НОВОЙ МЯГКОЙ ЛЕКАРСТВЕННОЙ ФОРМЕ НА ТИТАНСОДЕРЖАЩЕЙ ОСНОВЕ С ИСПОЛЬЗОВАНИЕМ СПЕКТРОФОТОМЕТРИИ ЗАМАРАЕВА АННА ИГОРЕВНА, БЕССОНОВА НАТАЛЬЯ СЕРГЕЕВНА,	
КОБЕЛЕВА ТАТЬЯНА АЛЕКСЕЕВНА, СИЧКО АЛИК ИВАНОВИЧ	
искусствоведение	212
РУССКИЙ КЛАССИЦИЗМ В АРХИТЕКТУРНОЙ СРЕДЕ СИМФЕРОПОЛЯ УДОВИЧЕНКО МАРИЯ ЕВГЕНЬЕВНА	213

**UDC 37** 

# THE PRIORITY OF THE DEVELOPMENT OF TALENTED CHILDREN'S CREATIVITY IN UZBEKISTAN

### RAKHIMOV MINHOJIDDIN MUKHAMMADGOLIB OGLI

PhD Student

Tashkent State Technical University named after Islam Karimov, Ministry of Higher and Secondary Special Education of the Republic of Uzbekistan

**Abstract**: Improving the process of designing the creative activities of gifted children and the mechanisms for its implementation have played an important role in ensuring the effectiveness of education.

**Key words**: science, gifted child, continuing education, future of the country, pedagogical experience, life skills.

### ПРИОРИТЕТ РАЗВИТИЯ ДЕТСКОГО ТВОРЧЕСТВА В УЗБЕКИСТАНЕ

### Рахимов Минходжиддин Мухаммадголиб огли

**Аннотация:** Совершенствование процесса проектирования творческой деятельности одаренных детей и механизмов его реализации сыграло важную роль в обеспечении эффективности обучения. **Ключевые слова:** наука, одаренный ребенок, непрерывное образование, будущее страны, педагогический опыт, жизненные навыки.

In the Republic of Uzbekistan, special attention is paid to the development of the system of continuing education, improving its quality and efficiency as one of the priorities of state policy. It is clear that the appeal of all reforms will be more impressive, first of all, with the efforts and determination of talented young people. In this sense, the main focus is on improving the activities of educational and cultural institutions to create the foundation of the Third Renaissance. The future and development of any country is largely determined by the conditions created for the education of young people. Where conditions exist, of course, there is opportunity, which is the most important tool to achieve the goal. Consistent measures are being taken in our country to support young people, develop their talents in all respects, stimulate their aspirations to acquire knowledge, realize their potential, further improve the system of continuing education, and expand access to quality educational services.

It is no coincidence that the head of our state Sh. Mirziyoev compared the youth to the greatest wealth and priceless treasure of our Motherland. In our country, on the basis of the state policy on youth, reforms aimed at ensuring the vital interests of the younger generation, the realization of their noble aspirations, abilities and talents are being consistently and effectively implemented. All conditions are being created for them to acquire advanced knowledge and professions and become mature professionals and true patriots.

Today, all sectors of the country are developing rapidly. In his speech at the youth forum "Youth - the price-less treasure, the symbol of our strength and great future," the President said, "The enthusiasm of the youth shows the strength of the new Uzbekistan. Every time I meet our young people, I get strength from your enthusiasm; my heart rises like a mountain. I know that each of you is burning with the desire to serve our dear Motherland and people. I highly appreciate you as the greatest wealth, invaluable treasure of Uzbekistan".

# НАУКА И ИННОВАЦИИ В ХХІ ВЕКЕ

The analysis of pedagogical experience at the international level shows that the development of strategies to improve the design process of creative activity of students and the design of mechanisms for its implementation play an important role in ensuring the effectiveness of education. Management technology for the development of gifted children's creativity plays an important role in solving problems such as the effective use of methods and tools that respond to modern students in teaching, the formation of students' independent and creative thinking skills. Our government is paying special attention to this problem. The call of the President of the Republic of Uzbekistan Sh.M.Mirziyoev "We will mobilize all the forces and capabilities of our state and society for the development and happiness of our young people as independent thinkers, with high intellectual and spiritual potential, who will not be idle to their peers in any field around the world" [1, p. 56] is one of the urgent issues of today to educate creative students as independent thinkers, people with high intellectual and spiritual potential through a new approach to the quality of education and its effective organization, especially management technologies.

Today, a special place is given to the design of creative activities of students, targeted research, taking into account the age characteristics of students. This type of activity involves the design of students' creative activities in the management technology of the development of creative creativity of gifted children. It requires the improvement of strategies for organizing, monitoring and managing the learning process based on teacher-student interaction. In our country, special attention is paid to the radical reform of the field of continuing education, the study of students on the basis of international assessment programs, the development of creative, natural and scientific literacy. It is especially important for students to organize their activities independently, to make a conscious decision on the basis of self-analysis, critical thinking.

The Strategy of Actions for the Further Development of the Republic of Uzbekistan identifies the issues of "education of physically healthy, mentally and intellectually developed, independent-minded, and loyal to the Fatherland, strong outlook on life" [2] as one of the priorities. In the implementation of these tasks, special attention is paid to the management technology of developing the creativity of gifted children. In particular, it requires the improvement of mechanisms for the effective organization, control and management of the process of designing the creative activities of gifted students.

PD No. 947 of the President of the Republic of Uzbekistan dated February 7, 2017 "On the Action Strategy for further development of the Republic of Uzbekistan", Decree of the President of the Republic of Uzbekistan dated January 25, 2018 PD No. 5313 "On measures to radically improve the system of general secondary, secondary special and vocational education", No. 187 of the Cabinet of Ministers of April 6, 2017 "On approval of state educational standards of general secondary and secondary special, vocational education", this dissertation research to some extent contributes to the implementation of the tasks set out in the Resolution PD No. 3931 of September 5, 2018 "On measures to introduce new principles of governance in the public education system" and other regulations in this area.

Bringing up a spiritually rich, healthy, harmoniously developed generation with a high level of knowledge that has been tested in life is one of the main goals of all our laws and regulations.

The first President I.A. Karimov said in his report to the Cabinet of Ministers of the Republic of Uzbekistan "Our main task is to further enhance the development of our country and the well-being of our people" on January 29, 2010, "We aim to create all the necessary opportunities and conditions for our children not only to grow physically and spiritually healthy, but also to grow into a harmoniously developed generation with the most modern intellectual knowledge, fully developed to meet the requirements of the XXI century" [3, p. 94]. Therefore, the issue of developing the theoretical aspects and improving the practical basis of the system of education of creative youth is one of the huge and responsible tasks facing the education system today.

About 50% of the population of Uzbekistan is children and adolescents under 18 years of age. Effectiveness can be achieved by improving the management technology of pedagogical education of the younger generation and the development of their creative activity. After all, only a creative person will be able to fully express their intellectual, spiritual potential. In this sense, the comparative-analytical study of the historical experience of gifted children in our country, the generalization of practical experience on the basis of critical observation, in particular, allows to correctly interpret the theory and practice of education development technology, determine its future strategy. This requires targeted pedagogical research.

# **НАУКА И ИННОВАЦИИ В ХХІ ВЕКЕ**

On the basis of management technology for the development of creative creativity of gifted children in Uzbekistan, close cooperation has been established with the President, creative schools under the Agency for Creative and Specialized Schools Development and the Ministry of Public Education. One of the important areas of this cooperation is the improvement of knowledge, skills and abilities of local students on the basis of foreign experience, management technology for the development of creative creativity of gifted children in preschool, general secondary and out-of-school educational institutions, development of the content of education on a scientific basis and modernization of its organizational and technological bases, the development of future development trends is one of the pressing issues facing the science of pedagogy, and these factors determine the relevance of the research topic.

Although the policy of supporting talented youth is stable, democratic principles, lack of highly qualified teachers who can fully respond to the reforms of the market economy, quality teaching, scientific and didactic manuals, textbooks of the new generation, the principles of cooperation The fact that it is not developed on the basis of the existing ones, and that the existing ones do not fully represent the mutual integration, shows that there are serious shortcomings in this regard.

Such shortcomings in the current education system create a gap in the education of young people. This leads to young people falling into the trap of strangers, using them for unclean purposes. Therefore, education should be based on the principles of patriotism, and effective ways to do so should be sought and explored. Based on this, let us make some comments on the curriculum. Curriculum change will take place in two main areas:

- 1. Extensive way.
- 2. Intensive way.

In an <u>extensive way</u> to change the curriculum, the duration of training will be extended and the volume of training materials will be increased.

In an <u>intensive way</u>, a completely new curriculum will be developed for the system. In our opinion, this method gives more results. The experience of developed countries has shown that an intensive position in education reform is acceptable.

Reforms in our national education system, along with the above goals, have put people at the center of all educational activities. Renewed pedagogy began to create a system of education that considers man as the highest value. In this way, our national pedagogy can turn students into well-rounded individuals.

### References

- 1. Mirziyoev Sh.M. Together we will build a free and prosperous, democratic state of Uzbekistan. Tashkent: Uzbekistan, 2016. p. 56
- 2. Decree of the President of the Republic of Uzbekistan No. PFI4947 "On the Action Strategy for the Development of Uzbekistan in 2017-2021" // Collection of Legislation of the Republic of Uzbekistan. 2017 No. 6, Article 70.
- 3. Karimov I.A. Our ultimate goal is a free and prosperous homeland, a free and prosperous life. Tashkent: 2000. p. 94
- 4. Mirziyoev Sh. Decree PD-5712 "On approval of the Concept of development of the public education system of the Republic of Uzbekistan until 2030". Electronic source: lex.uz/docs/3412785.
- 5. Petition of the President of the Republic of Uzbekistan Shavkat Miromonovich Mirziyoev to the Oliy Majlis 24.01.2020.
- 6. Resolution of the President of the Republic of Uzbekistan No. PD 39-07 of 14.08.2018 "On measures to bring up young people in a spiritually, morally and physically harmonious way, to raise their education system to a qualitatively new level".
- 7. Mirziyoev Sh. Five important initiatives to raise the morale of young people, the meaningful organization of their leisure time. –Electronic source: https://www.gazeta.uz./oz/2019/04/03/5-tashabbus/

### НАУЧНОЕ ИЗДАНИЕ

## НАУКА И ИННОВАЦИИ В XXI ВЕКЕ: АКТУАЛЬНЫЕ ВОПРОСЫ, ОТКРЫТИЯ И ДОСТИЖЕНИЯ

Сборник статей Международной научно-практической конференции г. Пенза, 12 февраля 2021 г. Под общей редакцией кандидата экономических наук Г.Ю. Гуляева Подписано в печать 13.02.2021. Формат 60×84 1/16. Усл. печ. л. 14,8

МЦНС «Наука и Просвещение» 440062, г. Пенза, Проспект Строителей д. 88, оф. 10 www.naukaip.ru