



DEVELOPMENT OF ATHLETICS IN KARAKALPAKSTAN AND UZBEKISTAN

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Abstract: The development of athletics in Karakalpakstan and Uzbekistan has undergone significant transformations over the years, influenced by historical, socio-economic, and political factors. This paper explores the evolution of athletics as a competitive and recreational sport, emphasizing its role in physical education and public health. The study highlights the challenges and opportunities in promoting athletics in these regions, focusing on infrastructure development, training methodologies, and governmental support. Additionally, the paper discusses the impact of international cooperation and modern sports science on enhancing athletic performance. The findings contribute to understanding the current state of athletics in Karakalpakstan and Uzbekistan and provide insights into strategies for further growth.

Keywords: Athletics development, Karakalpakstan, Uzbekistan, training methodologies, sports infrastructure, physical education, international cooperation, sports science.

РАЗВИТИЕ ЛЁГКОЙ АТЛЕТИКИ В КАРАКАЛПАКСТАНЕ И УЗБЕКИСТАНЕ

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Аннотация: Развитие лёгкой атлетики в Каракалпакстане и Узбекистане претерпело значительные изменения на протяжении многих лет под влиянием исторических, социально-экономических и политических факторов. В данной статье рассматривается эволюция лёгкой атлетики как соревновательного и рекреационного вида спорта, с акцентом на её роль в физическом воспитании и общественном здоровье. В исследовании выделены вызовы и возможности в продвижении лёгкой атлетики в этих регионах, включая развитие инфраструктуры, методики подготовки спортсменов и государственную поддержку. Кроме того, обсуждается влияние международного сотрудничества и современных спортивных наук на повышение спортивных достижений. Полученные результаты способствуют пониманию текущего состояния лёгкой атлетики в Каракалпакстане и Узбекистане и предлагают стратегии для её дальнейшего развития.

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Ключевые слова: Развитие лёгкой атлетики, Каракалпакстан, Узбекистан, методики подготовки, спортивная инфраструктура, физическое воспитание, международное сотрудничество, спортивные науки.

Introduction

Athletics, often regarded as the foundation of all sports, has played a crucial role in the physical education and sports culture of Uzbekistan and Karakalpakstan. As one of the most accessible and widely practiced sports, athletics encompasses various disciplines, including running, jumping, and throwing events. Its development in these regions has been shaped by historical traditions, governmental policies, and the increasing influence of global sports trends.

The history of athletics in Uzbekistan dates back to the Soviet era, when systematic sports training was introduced as part of a broader physical culture movement. During this period, specialized sports schools and training programs were established to nurture young talents, many of whom achieved significant success in national and international competitions. After Uzbekistan gained independence in 1991, the government recognized sports as a crucial aspect of national identity and health promotion. Consequently, various initiatives were launched to improve sports infrastructure, promote mass participation, and enhance professional training programs for athletes.

Karakalpakstan, as an autonomous republic within Uzbekistan, has also made efforts to develop athletics, albeit with certain challenges. Limited financial resources, inadequate sports facilities, and a smaller population base have hindered the rapid growth of the sport in this region. However, recent investments in sports infrastructure and government-led programs aimed at fostering youth participation in athletics indicate a positive trajectory for the region's sports development.



The role of educational institutions in shaping athletics development cannot be overstated. Universities and specialized sports schools play a key role in training future athletes and coaches, ensuring that modern training methodologies and sports science principles are incorporated into athletic preparation. Additionally, the integration of athletics into school curricula helps promote a healthy lifestyle among young people, contributing to the overall well-being of society.

Despite significant progress, athletics in Uzbekistan and Karakalpakstan still faces several challenges. These include the need for better training facilities, access to advanced sports medicine, and improved opportunities for international competition. Furthermore, the influence of digital technology and data-driven training methods has created new opportunities for athletic performance enhancement, which remain underutilized in these regions.



This paper aims to analyze the development of athletics in Uzbekistan and Karakalpakstan, focusing on historical milestones, current challenges, and future prospects. By examining governmental policies, training methodologies, and infrastructure development, this study seeks to provide a comprehensive overview of the state of athletics in these regions. Additionally, the research explores the role of international cooperation and sports science in enhancing athletic performance, offering recommendations for further growth and improvement.

Main Part

The development of athletics in Karakalpakstan and Uzbekistan has been shaped by a combination of historical influences, governmental initiatives, and social factors. Athletics, as a fundamental sport, has long been a part of Uzbekistan's sports culture, with both amateur and professional levels seeing notable growth over the decades. However, while athletics enjoys widespread participation across the country, the level of development differs between regions, particularly in Karakalpakstan, where economic and infrastructural challenges have posed obstacles to its expansion.

Historically, athletics in Uzbekistan gained momentum during the Soviet period, when sports were heavily promoted as part of the state's physical education policy. Uzbekistan produced several world-class athletes in disciplines such as sprinting, long-distance running, and throwing events, many of whom represented the Soviet Union in international competitions. The centralized sports system allowed for extensive talent identification and specialized training, with sports schools and Olympic reserves playing a crucial role in the development of elite athletes. However, following the dissolution of the Soviet Union, the transition to an independent sports system required new strategies and investments to sustain and further develop athletics.



In recent years, the government of Uzbekistan has implemented policies to enhance the development of athletics at both the grassroots and professional levels. The creation of sports academies, investment in stadiums and training facilities, and the hosting of international competitions have contributed to the sport's growth. The Ministry of Sports has introduced programs to encourage youth participation in athletics, recognizing its benefits in promoting a healthy lifestyle and fostering a competitive sports culture. Initiatives such as the "Five Initiatives" program, which aims to promote mass sports participation, have played a crucial role in popularizing athletics among school and university students.



Karakalpakstan, as an autonomous republic within Uzbekistan, faces unique challenges in athletics development. While efforts have been made to improve sports infrastructure, the region still struggles with limited access to high-quality training facilities and professional coaching. However, recent governmental support has led to the construction of new sports complexes and training centers, aiming to provide young athletes with better opportunities to develop their skills. Several promising athletes from Karakalpakstan have emerged in national and international competitions, showcasing the region's potential in athletics.

One of the key factors influencing the development of athletics in Uzbekistan and Karakalpakstan is the availability of qualified coaches and sports scientists. The modernization of training methodologies, including the integration of sports science and advanced performance analysis, has become increasingly important in enhancing athletic performance. However, the adoption of such methods remains uneven, with many training centers still relying on traditional coaching techniques.

In addition to domestic efforts, international collaboration has played a role in advancing athletics in Uzbekistan. Cooperation with foreign sports organizations, participation in training camps abroad, and engagement with global athletics governing bodies have provided Uzbek athletes and coaches with exposure to modern training methods. Moreover, Uzbekistan has hosted several international athletics competitions, which have helped raise the profile of the sport within the country and provided local athletes with valuable competitive experience.

Despite these advancements, several challenges remain. Limited sponsorship opportunities, a lack of consistent funding, and the need for greater public awareness of athletics continue to hinder progress. Additionally, the rise of digital technology and data-driven training approaches has revolutionized sports performance analysis worldwide, yet their implementation in Uzbekistan and Karakalpakstan is still in the early stages. Addressing these challenges through increased investment, improved coaching programs, and stronger international partnerships will be key to ensuring sustained growth in athletics across both regions.



Overall, the development of athletics in Uzbekistan and Karakalpakstan has seen significant progress, but further efforts are required to fully realize the potential of athletes in these regions. The combination of government support, improved infrastructure, and the adoption of modern training methodologies will be essential in shaping the future of athletics and elevating the level of competition both nationally and internationally.

Methods

The development of athletics in Uzbekistan and Karakalpakstan relies on a combination of traditional training methodologies, modern sports science, and government-supported programs aimed at enhancing athletic performance. Various methods have been implemented at different levels of athletic training, ranging from grassroots development in schools to elite training programs for national and international competitions. This section examines the primary methods used in developing athletics, including talent identification, training techniques, infrastructure support, and the integration of sports science.

Talent identification plays a crucial role in developing competitive athletes. In Uzbekistan, young athletes are often selected through school-based programs and regional sports competitions. The government and sports federations have established systematic scouting initiatives to identify promising athletes at an early age. These programs involve physical fitness assessments, coordination tests, and endurance evaluations to determine an athlete's suitability for different athletic disciplines. In Karakalpakstan, the process is more challenging due to limited resources and infrastructure; however, local sports academies have been working to improve talent selection and early training opportunities.

Training methodologies in Uzbekistan and Karakalpakstan vary depending on the level of the athlete. At the grassroots level, schools and youth sports academies focus on fundamental motor skills, endurance building, and basic technique development. Training programs emphasize general fitness, agility drills, and basic sprinting or throwing techniques. As athletes progress to higher levels, more specialized training is introduced. Strength conditioning, biomechanics analysis, and endurance-focused exercises become integral to their development. The incorporation of structured periodization, which involves cycles of training intensity and rest, is commonly used to enhance peak performance during competition periods.

Infrastructure development is another important factor in improving athletics. Uzbekistan has invested significantly in modernizing its sports facilities, with new stadiums, indoor training centers, and specialized athletics tracks being constructed across the country. The National Athletics Federation has played a key role in ensuring that athletes have access to high-quality training environments. In Karakalpakstan, where resources are more limited, the focus has been on renovating existing facilities and increasing the number of athletics training centers. The government has also encouraged private sector involvement in funding sports infrastructure to expand access to professional training.



The use of sports science and modern technology in athletics training has increased in recent years. Sports scientists in Uzbekistan are beginning to apply biomechanical analysis, physiological testing, and data-driven training approaches to optimize athlete performance. Video analysis tools are used to evaluate sprinting mechanics, jumping techniques, and throwing form, helping coaches make adjustments to improve efficiency and prevent injuries. Nutritional programs tailored to individual athletes are also gaining importance, ensuring that athletes receive proper dietary support for peak performance. However, the adoption of these advanced methods is still inconsistent, with many training centers relying on traditional coaching techniques due to limited access to modern equipment and research facilities.

Another essential method in athletics development is international collaboration. Uzbek and Karakalpak athletes participate in international training camps, where they learn from world-class coaches and compete against elite athletes. Exchange programs with foreign athletics federations have provided valuable insights into advanced training methodologies and competitive strategies. Furthermore, Uzbekistan has hosted international athletics competitions, allowing local athletes to gain exposure to high-level competition without needing to travel abroad.



Despite the progress in training methodologies and infrastructure development, challenges remain in fully optimizing these methods. There is still a need for more sports science research within the country, greater investment in coaching education, and a stronger focus on injury prevention programs. Addressing these challenges will require a multi-faceted approach, involving government initiatives, private sector support, and greater international cooperation to ensure the continued growth of athletics in Uzbekistan and Karakalpakstan.

Discussion

The development of athletics in Uzbekistan and Karakalpakstan has made significant strides in recent years, but several challenges and opportunities remain. The combination of historical influences, government initiatives, infrastructure development, and the integration of modern training methodologies has shaped the current state of athletics in these regions. However, disparities in access to high-quality facilities, coaching expertise, and funding continue to impact the overall progress of the sport.

One of the main challenges faced in both Uzbekistan and Karakalpakstan is the uneven distribution of resources. While major cities like Tashkent and Nukus have seen significant investment in athletics infrastructure, rural areas often lack proper training facilities and equipment. Many young athletes in these regions do not have access to professional coaching or specialized sports science support, which can hinder their development. Addressing these disparities requires targeted investment in regional training centers and increased funding for grassroots athletics programs.

Another key issue is the recruitment and retention of qualified coaches. Coaching plays a crucial role in an athlete's development, and the effectiveness of training programs depends on the expertise and experience of the coaching staff. In Uzbekistan, efforts have been made to improve coaching education, with training programs and certification courses offered by sports federations. However, in Karakalpakstan, the number of experienced athletics coaches remains limited. Encouraging more young professionals to pursue careers in coaching and providing them with opportunities for international training can help bridge this gap.

The role of sports science and technology in athletics training is becoming increasingly important. Advanced techniques such as biomechanical analysis, performance monitoring through wearable technology, and data-



driven training programs have revolutionized athletics worldwide. While Uzbekistan has started adopting some of these innovations, there is still a long way to go before they become widely available across all levels of athletics. Expanding access to sports science research and technological advancements can significantly enhance athlete performance and injury prevention strategies.



International cooperation has also played a key role in athletics development in Uzbekistan. The country has engaged in partnerships with foreign athletics organizations, hosted international competitions, and sent athletes to train abroad. These experiences have provided Uzbek and Karakalpak athletes with exposure to high-level competition and modern training methods. However, sustaining these international collaborations requires consistent investment and strategic planning to ensure that knowledge transfer and athlete development programs are effectively implemented.

Despite the challenges, there are numerous opportunities for further growth in athletics. The increasing popularity of athletics as a means of promoting health and fitness among young people presents a strong foundation for expanding grassroots participation. Government initiatives aimed at integrating athletics into school curricula and university programs can help nurture future generations of athletes. Additionally, public awareness campaigns highlighting the benefits of athletics for overall health and well-being can further drive participation at all levels.

Sponsorship and financial support from private enterprises can also play a significant role in boosting athletics development. While government funding remains the primary source of support for sports programs, attracting corporate sponsorships and partnerships can provide additional resources for athlete training, equipment procurement, and facility maintenance. Establishing scholarship programs for talented young athletes can also ensure that financial constraints do not hinder their progress in the sport.



Overall, while athletics in Uzbekistan and Karakalpakstan has made significant progress, there is still considerable room for improvement. Addressing infrastructure challenges, enhancing coaching quality, integrating modern sports science, and strengthening international collaborations will be key to sustaining the growth of athletics in these regions. By continuing to invest in the sport and providing young athletes with the necessary resources and opportunities, Uzbekistan and Karakalpakstan can further establish themselves as competitive forces in the field of athletics.

Results

The development of athletics in Uzbekistan and Karakalpakstan has led to notable achievements in recent years, with improvements in infrastructure, training methodologies, and athlete performance. Government support, international collaboration, and grassroots programs have contributed to the steady growth of the sport. However, disparities in access to resources and advanced training techniques continue to affect the overall progress of athletics in these regions.

One of the key outcomes of recent initiatives is the expansion of sports infrastructure. In Uzbekistan, several new athletics stadiums, training centers, and school sports facilities have been constructed, providing athletes with better training environments. The National Olympic Committee and the Ministry of Sports have played a crucial role in funding these projects, ensuring that athletes have access to high-quality tracks, gyms, and rehabilitation facilities. In Karakalpakstan, while investment has been more limited, recent efforts to renovate and expand training centers have started to show positive results, allowing more young athletes to engage in the sport.



Athlete performance at both national and international levels has also improved. Uzbek athletes have achieved success in regional and global competitions, particularly in sprinting, long-distance running, and field events. The country has produced medalists in the Asian Games, World Athletics Championships, and other prestigious tournaments. Karakalpak athletes, though facing greater challenges in terms of training resources, have also made significant progress, with some competing at national championships and earning recognition for their achievements.

The introduction of modern training techniques and sports science applications has enhanced athlete development. Sports federations have begun integrating biomechanical analysis, performance tracking, and advanced strength and conditioning programs into their training regimens. However, the availability of these resources remains inconsistent, with many regional training centers still relying on traditional coaching methods. Further investment in sports science and technological advancements will be essential in optimizing athlete performance and reducing the risk of injuries.

Another significant result of athletics development is the increasing participation of young athletes. School-based athletics programs and university sports clubs have experienced higher enrollment rates, reflecting growing interest in the sport. Government initiatives promoting youth involvement in athletics have played a crucial role in this trend, encouraging physical activity and fostering a culture of competitive sports. Additionally, public awareness campaigns emphasizing the health benefits of athletics have contributed to greater community engagement in sports activities.

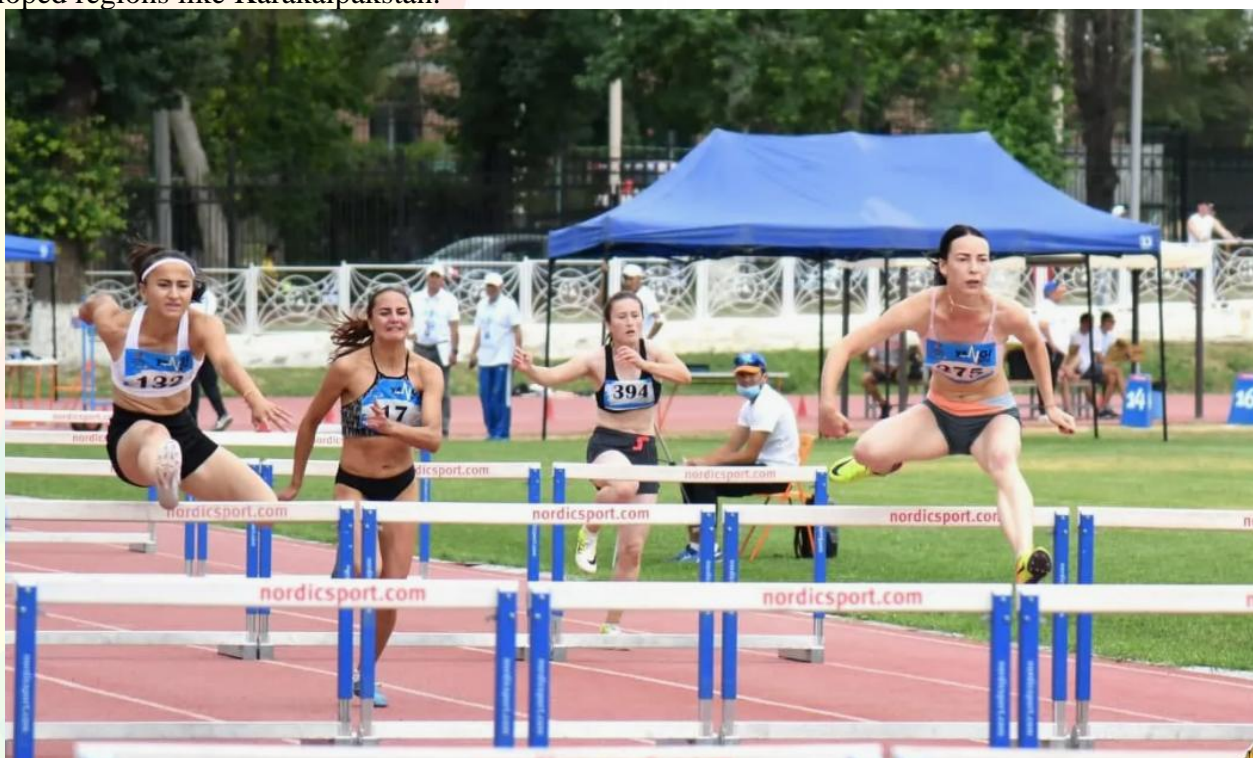
Despite these positive developments, several challenges remain. Funding shortages, particularly in Karakalpakstan, continue to hinder the expansion of athletics programs. Limited access to international training opportunities and high-performance coaching further restricts the development of elite athletes.

Moreover, the need for more structured long-term athlete development programs remains an important consideration for the future.

In conclusion, the progress of athletics in Uzbekistan and Karakalpakstan has been evident in terms of infrastructure improvements, increased participation, and enhanced performance in competitions. However, addressing the existing challenges will require sustained investment, greater international cooperation, and the adoption of modern sports science methodologies. By continuing to build on the current momentum, Uzbekistan and Karakalpakstan can further strengthen their presence in the field of athletics and produce a new generation of successful athletes.

Conclusion

The development of athletics in Uzbekistan and Karakalpakstan has shown significant progress in recent years, with increasing government support, improved infrastructure, and growing interest in sports participation. Athletics has become an essential component of the country's sports culture, contributing to both elite-level competition and public health initiatives. However, challenges such as resource distribution, coaching quality, and access to modern training technologies continue to affect the growth of athletics, particularly in less developed regions like Karakalpakstan.



One of the key factors driving the progress of athletics in Uzbekistan is the strong governmental commitment to sports development. Investments in sports infrastructure, talent identification programs, and coaching education have helped create a more structured and professional approach to athletics training. The establishment of modern training centers and stadiums has provided athletes with improved facilities, contributing to their competitive performance on national and international levels. Additionally, the integration of athletics into school and university curricula has increased youth participation in the sport, ensuring a continuous pipeline of talented athletes.

Karakalpakstan, despite facing economic and infrastructural challenges, has also made strides in athletics development. Recent investments in training facilities and coaching programs have started to yield positive



results, with more young athletes emerging from the region. However, further efforts are required to bridge the gap between Karakalpakstan and other regions of Uzbekistan in terms of access to professional training and competition opportunities. Addressing this disparity will be crucial for ensuring equal development of athletics across the country.

The role of modern sports science and technology in athletics training cannot be overlooked. While Uzbekistan has begun integrating data-driven training methods, biomechanical analysis, and nutritional science into its sports programs, there is still a need for broader implementation of these advanced techniques. Increasing collaboration with international sports organizations and providing more opportunities for Uzbek coaches and athletes to learn from global best practices will be key to further enhancing athletic performance.

International cooperation has also played a significant role in shaping the athletics landscape in Uzbekistan. Hosting international competitions, engaging in exchange programs, and participating in overseas training camps have provided Uzbek athletes with valuable exposure to high-level competition. Expanding these initiatives and forming long-term partnerships with established athletics federations will further support the development of athletics in Uzbekistan and Karakalpakstan.

Despite the achievements made so far, the future of athletics in these regions depends on sustained investment and strategic planning. Continued support from both government and private sectors, improved access to resources, and the adoption of cutting-edge training methodologies will be critical in ensuring the long-term success of athletics. Furthermore, increasing public awareness and community engagement in athletics will help foster a culture of sports participation that extends beyond professional athletes.





In conclusion, Uzbekistan and Karakalpakstan have demonstrated strong potential in athletics development, with notable progress in infrastructure, training, and competitive performance. While challenges remain, targeted efforts in improving coaching quality, integrating modern sports science, and expanding international collaboration can accelerate the growth of athletics in these regions. By maintaining a commitment to sports excellence, Uzbekistan and Karakalpakstan can continue to develop world-class athletes and strengthen their position in the global athletics community.

REFERENCES:

1. Abdullayev, D. (2020). Харакатли ўйинлар орқали ёш авлодни жисмоний тайёргарлигини ривожлантириш. Архив Научных Публикаций JSPI.
2. Saydaliyeva, L. M. (2023). Formation of medical geographical environment in Fergana region. Ethiopian International Journal of Multidisciplinary Research, 10(11), 366-369.
3. Abdullayev, D. (2020). Мактабга тайёрлов гуруҳларига ҳаракатли ўйинларни танлаб олиш ва ўтказиш методикаси. Архив Научных Публикаций JSPI.
4. Egamberdiyeva, L. (2024). Formation of professionalism in future teachers in designing the educational process. Science and innovation, 3(Special Issue 36), 606-609.
5. Abdullayev, D. (2020). Мактабгача таълим муассасаси тарбияланувчиларида меҳнатсеварлик ва катталар меҳнатига қизиқишини шакллантириш. Архив Научных Публикаций JSPI.
6. Umarova, Z. A. (2024). BOSHLANG'ICH SINFI O „QUVCHILARINI IXTISOSLASHTIRILGAN TA“ LIM MUASSASALARIGA TAYYORLASHDA ZAMONAVIY RAQAMLI TEXNOLOGIYANING AHAMIYATI. Academic research in educational sciences, (1), 396-399.
7. Umarova, Z. A., & Tuychiyeva, S. Z. Q. (2024). Boshlang'ich sinfi o 'quvchilarini ixtisoslashtirilgan ta'lim muassasalariga tayyorlash va unda lingvodidaktikaning o 'rni. Academic research in educational sciences, 5(CSPU Conference 1), 296-299.
8. Abdullayev, D. (2020). Спортчи хотин-қизларни тайёрлашда миллий ҳаракатли ўйинларни мазмун ва моҳияти. Архив Научных Публикаций JSPI.
9. Matkarimova, S. (2024). System and methodology of work conducted through the heroes of the work in the teaching of a work of art. Web of Teachers: Inderscience Research, 2(9), 102-107.
10. Matkarimova, S. (2023). Forming creative thinking through creative tasks. Mental Enlightenment Scientific-Methodological Journal, 4(6), 144-153.
11. Abdullayev, D. (2021). Maktabgacha yoshdagi bolalarni milliy harakatli oyinlar orqali jismoniy rivojlanishini va tayyorgarligini takomillashtirish: maktabgacha yoshdagi bolalarni milliy harakatli oyinlar orqali jismoniy rivojlanishini va tayyorgarligini takomillashtirish. Maktabgacha taъlim журнали, 3(3).
12. Abdullaeva, B. P. (2024). Issues encountered in sports activities and opportunities for technology use. Web of Humanities: Journal of Social Science and Humanitarian Research, 2(3), 34-39.
13. Abdullayev, D. (2021). Ўқувчиларнинг жисмоний маданиятини ривожлантиришда тўғарак машғулотларининг ўрни. Мактабгача таълим журнали, 3(Preschool education journal).
14. Abdullayev, D. (2021). JISMONIY TARBIYA DARSLARINI INNOVATSION TEXNOLOGIYALAR YORDAMIDA SAMARADORLIGINI OSHIRISH YO'LLARI. Maktabgacha taъlim журнали, 4(Preschool education journal).
15. Jurayeva, Z. I., & Xoshimova, G. S. (2023). The role of information communication technologies in technology classes. Web of Teachers: Inderscience Research, 1(9), 59-61.



16. Jurayeva, Z. I. (2023). Innovational Methods of Raising the Profile of the Pedagogical Profession.(on the Example of a Practical Subject Profile). *International Journal on Integrated Education*, 3(8), 167-173.
17. Jurayeva, Z. I. (2024). Digital transformation: its didactic possibilities. *American Journal Of Social Sciences And Humanity Research*, 4(02), 135-139.
18. Islomovna, J. Z. (2024). Formation of design and technological competence of pupils through the transformation system. *Current research journal of pedagogics*, 5(01), 44-49.
19. Кадирова, О. Х. (2024). Литературный цикл и его функции в литературе XX века. *Xorazm ma'mun akademiyasi axborotnomasi*, 1(12), 545-548.
20. Кадирова, О. Х. (2024). Жанровое многообразие циклических произведений. *Филологические исследования: язык, литература, образование*, 2(12), 83-90.
21. Abdullayev, D. (2021). BO 'LAJAK JISMONIY MADANIYAT O 'QITUVCHILARNING KASBIY TAYYORGARLIGIDA INTEGRATSIYALASH JARAYONNING AHAMIYATI. *Мактабгача таълим журнали*, 4(Preschool education journal).
22. Khakimov, K. M., Zakirov, A. A., Seytniyazov, K. M., & Gaypova, R. T. (2021). Some Aspects Of The Relationship Between Nature And Society In Geography. *nveo-natural volatiles & essential oils Journal| NVEO*, 15320-15325.
23. Дониёрова, Л. Х. (2023). Культура речи в профессиональной деятельности учителя. *GOLDEN BRAIN*, 1(1), 315-322.
24. Тожибоева, Г. Р., & Нисамбекова, С. (2021). Инклюзивное образование в условиях современной образовательной среды. *Academic research in educational sciences*, 2(4), 1436-1442.
25. Тожибоева, Г. Р., & Умарова, З. (2024). Проблема развития творческих способностей студентов в процессе обучения. *Science and innovation*, 3(Special Issue 18), 529-532.
26. Tojiboyeva, G. R. (2022). Development of the skill of calligraphic writing as a professional competence in a future primary school teacher. *Galaxy International Interdisciplinary Research Journal*, 10(12), 830-835.
27. Khudaiberdievna, D. L. (2022). Children's literature as an integral part of the education of the younger generation. *Galaxy International Interdisciplinary Research Journal*, 10(5), 26-82.
28. Дониёрова, Л. Х., & Муродова, Ш. Р. (2022). Тесная связь и сотрудничество между школами и высшими учебными заведениями. *Academic research in educational sciences*, 3(9), 44-49.
29. Муминджанова, С. Х. (2024). Применение медиа на занятиях русского языка. *Science and innovation*, 3(Special Issue 36), 589-591.
30. Mumindjanova, S. X., Ibragimova, D.A. (2024). Yoshlarni milliy va umuminsiniy qadriyatlar ruhida tarbiyalash "Temur tuzuklari"ning ahamiyati. *Международная научно-методическая конференция*, 2(3), 155-158.
31. Муминджанова, С. Х. (2023). Нетрадиционные уроки русского языка, игровые технологии как средство обучения. *O'zbekistonda fanlararo innovatsiyalar va ilmiy tadqiqotlar jurnali*, 2(23), 167-171.
32. Муминджанова, С. Х. (2023). Хотин – кизлар масаласи, жамият ва оила мисолида. *Форум*, 1(1), 414-415.
33. Turdimambetov, I. R., Seitniyazov, K. M., & Baltabayev, O. O. (2020). Methods of toponymic researches of Peoples geographical terms in the Republic of Karakalpakstan. *Science and Education in Karakalpakstan*, 1(2), 109-111.



34. Султанова, А. М. (2015). Важные компоненты системы развивающего обучения. Актуальные проблемы гуманитарных и естественных наук, (4-2), 148-150.
35. Абдужалилова, Ш. А. (2023). “Оилада тарбия асослари” модулини ўқитишда интерфаол методлардан фойдаланиш. Fan, ta'lim va amaliyotning integrasiyasi, 4(5), 33-41.
36. Abdujalilova, S., & Sodikova, N. (2023). Requirements of Family Education in the Works of Abdurauf Fitrat.
37. Xudayberdiyeva, D., & Abdujalilova, S. (2023). Maktabgacha talim tashkilotlar rahbarining oldiga qoyilgan vazifa va burchlari Adas, S. (2014). Modernization of lifelong education in school practice. Образование через всю жизнь: непрерывное образование в интересах устойчивого развития, 12(2 (eng)), 69-70.
38. Abdullayev, D. (2022). KICHIK MAKTAB YOSHIDAGI BOLALARNING JISMONIY TARBIYASINI RIVOJLANTIRISH USLUBIYATI. Science and innovation, 1(B7), 728-731.