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IN KARAKALPAKSTAN**

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ФАН ВА ТАЪЛИМ**

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ИЛИМ ҲЭМ ТЭЛИМ**

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NATURAL SCIENCES	
Nagashibayeva A.K. Ecological role and importance of wasp (Insecta: Hymenoptera) in nature.....	4
Allamuratov M., Qidirbaeva A., Tlepbergenova P. The impact of the Aral sea ecological problem on the ecosystem.....	6
Kurbaniyazov B.T. Interaction of phenology and biology of some landscape trees in Nukus.....	9
Tanirbergenov M.B., Kalmuratova Z., Madiyarova M. On Non-standard methods for solving the Cauchy problem for the wave equation and the heat equation	14
Matmurotov M. A. Macrozoobenthos of lakes of Uzbekistan.....	18
Ibragimov M.M., Seypullaev J.X. Kalenbaev K.B. Extreme points of the atomic strongly facially symmetric spaces.....	23
Seyilkhanova A.N., Miratdin kizi A.M., Medetov M.J. Diversity and practical significance of blister beetles (Coleoptera: Meloidae) in the natural areas of northwestern Uzbekistan.....	28
Sultansuynov A.S. Issues of cardiovascular system adaptation to physical activity of students living in the Republic of Karakalpakstan.....	32
Erejepova Sh.K. An algorithm for inverse beam vibration problems.....	35
Shaniyazov Sh.O., Mambetullaeva S.M. Ecological analysis of the Dynamics of the Area and resources of medicinal plants in the Southern areal.....	38
TECHNICAL SCIENCES	
Gadaev A.N., Jumamuratov D.K. Urgent Central Asian water challenge: sustainable water resources management	43
Aripov N.M., Rasulov M.Kh., Suyunbaev Sh.M., Nazhenov D.Ya. Study of the possibility of using marshaling tracks in conditions of a fixed schedule of freight trains traffic	47
Nizomov Sh.R. Utegenova G.A., Eshmuratov M.S., Bektursinova Q.Q. The effect of temperature on reinforced concrete structures. Calculation of the effect of structures on temperature	58
Arziev A.S., Dauletov M.B., Mambetkarimov R.R. Improvement of the teaching methods of engineering and graphic disciplines	64
Rashidov Yu.K., Aytbayev K.R. Energy-saving technologies based on intelligent control of heat exchange processes in low-temperature heating systems	67
Mamataliev N.N., Abdikamalova A.B., Sharipova A.I., Reimov A.M., Sharipov A.A. Oxidative destruction of phenol in an aqueous medium under the influence of pillar clays	74
Abdikadirov P.U., Nazhenov D.Ya., Dauletov M.B. Application of foamed bitumen in road construction in the Republic of Karakalpakstan	83
Turaev Sh., Oymirov S.I., Kazakhbaev S.A. Uncertainty and risk assessment in electrical testing laboratories	86
SOCIAL SCIENCES	
Biyimbetov J. Political, economic, cultural and information development of the world in the process of globalization	91
Allanazarova Sh. The importance of using the debate method in didactic situations	93
Aleuov U., Utemuratova Yu.M. The essence and features of the humanization of axiological education of students	98
Sarsenbaev B.A., Mamutova K.M. Digitization of the agricultural sector	101
Turebekov M., Maksetov F.A. Researching the Puljay monument	104
Turebekov M., Hakimniyazov J., Tolibaev M. Excavation in the town of Bogrokhon	110



Khalmuratov K.P., Allamuratova P. Priority areas for the development of tourism services in the Republic of Karakalpakstan on the basis of public-private partnership	119
Erkinov Sh.Sh., Makhmudov V.V., Erdonov O.L. Analysis of young footballers morphofunctional and physical performances	123
HUMANITIES SCIENCES	
Koshanova D.S. Guarantees of property rights in the defense of a land plot for the needs of the state and society	130
Nuratdinova I.M. Publication and entry into force of regulations	133
Prekeeva T.M. Improving the efficiency of the public administration system based on foreign experience and national practice	136
Uteshova Z.Kh. Linguoculturological features of Speech Etiquette in English and Karakalpak languages	139
Turdimuratova D. The role of law education in the development of law culture of students	143
Zinatdinova G.I. Some distinctive problems of lyrical Chronotope research	146
Uteshova Z.Kh. Comparative-pragmatic analysis of Speech Etiquette in the English-speaking and Karakalpak linguistic cultures	149
Gaylieva O.K. Gazelle genre in modern Turkish poetry (On the example of Uzbek, Karakalpak and Turkmen lyrics)	153
Tajieva A., Keljanova G. Presett programme as a new approach in Uzbekistan	158
Kurbanbaeva B.R. The use of headwear terms with dialectical features	161
Reymova Yu.E. Importance and efficiency of using new technologies in foreign language teaching	165
Ubaydullaeva R. The importance of mediation and the conclusion of a marriage contract in divorce proceedings	168
Satullayeva N.J. Semantics and functioning of the passive voice in the Karakalpak language	170
Seytova D.U. Prefixation and its peculiarities	173
Saparov T.T. Development of a course on health education technologies.....	177
Zarlikov I., Aytbaeva M. The relationship between language and culture and the implications for language teaching	181
Tanirbergenova N. The importance of parental involvement in early education of a foreign language	185
Tajieva A., Boribayev K. Academic research and its types	188
Seytova D.U. International computer terminology as a way to enrich the vocabulary of the Uzbek language	192
Khojakhmetova S.M. Efficient techniques to inspire students to learn language in the classroom	196
Tanirbergenova N. The influence of extrinsic motivation on intrinsic motivation in teaching English	199

SOME DISTINCTIVE PROBLEMS OF LYRICAL CHRONOTOPE RESEARCH

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Summary: The main directions of the study of lyrical chronotope are studied in the article on the example of world and Russian literature.

Keywords: lyrical chronotope, style and chronotope, chronotope analysis, images of artistic time and space

Lyric - expressing a sensitive attitude to "events that belong to the poet" [1, P.9-12], expressing personal apologies in the form of a monologue (through "I") [2, P.56-61], narration (epic), show (drama) rather, it is the most subjective literary genre, with a wide range of ideas and emotions [3, P.346-354]. A literary character who is "dependent" on events in the epic and conflict in the drama rises to the level of a lyrical protagonist-individual who has his own personal apologies, meditative thoughts in the lyrics and demands a lyrical chronotope in the face of these qualities. In this article, we aim to determine the level of study and the main directions of the lyrical chronotope on the example of world and Russian literature.

In the study of world literature, much attention has been paid to the comparative study of the literary chronotope with other sciences [4], and the interest in the independent study of the lyrical chronotope has increased in the XXI century. In 2019, the English scholar Zh. Kasanova's work "Forms of the Chronotope in Finnish de-Siècle British Women's Poetry" was published. The research consists of three parts except introduction and conclusion, and it studies chronotope forms in the poetry of poets such as Amy Levy, M. Blind, A. Mary, K. Mattos, D. Radford, who worked in the late nineteenth and early twentieth centuries through gender and feministic views, social-political events and women psychology at that times. This is one of the first large-scale studies of chronotope in women's poetry in the field of literature, which includes new types of chronotope (imaginary chronotope, strangeness chronotope, human and non-human chronotope). The peculiarity of the study is that the scientist focuses on the transformation of common chronotope into author's chronotope. For example, in the lyrics of R.M. Watson there is an imaginary chronotope, M. Kendall's dream chronotope, Mattos's labyrinth chronotope and others. In our opinion, such a scientific approach shows the importance of chronotope in the creation of individual style and prevents the formation of the notion that "the main dimension of style is the chronotope.

Different views of several poetries such as (E. Pound, T. Eliot, J. Ashbury, C. Bernstein (american-english) and V. Khlebnikov, V. Mayakovsky, Brodsky (Russian), etc.) about time, space, history and language were studied comoaratively in the work of Professor J. Probststein "The River of Time: Time, space, history and language in avant-garde, modernistic contemporary Russian and Anglo-American Poetry" [5]. M. Malone studied chronotope forms in the poetry of the Russian period and studied Russian as a chronotope [6]. The scientist T. Axalkatsi emphasizes that the concept of time and space in Georgian romantic poetry [7] is conceptual, the past is illuminated through personal recollections, and the future can be connected in the form of poetic imagination.

The problem of lyrical chronotope has been studied in detail in Russian literary criticism. According to the well-known scientist V. Khalizev, in lyric poetry the chronotope "has a symbolic character in the form of motive and leitmotif" [8]. In this case, the chronotope rises to the level of a symbolic image. For example, in lyric poetry, the chronotope of "autumn" is shaped as a traditional depiction of the end of human life, maturity or aging, as well as a symbol of anticipation and longing. However, each poet has his own individual style, his own way of thinking, his own way of illuminating. In this process, traditional symbolic images are transformed, creating new content.

The monograph "Images of space and time in Russian poetry of the XIX-XX centuries" (Kurgan, 2012) was published by scientists I.M.Zhukova and N.K.Nezhdanova. In this work, the artistic semantics of the images of time and space in the transition from Russian classical poetry of the XIX century to Russian rock-poetry of the XX century were studied in connection with the genre, architectonics, composition, evolution and transformation of images, another Russian scientist, N. Lovchinsky ("Images of space in modern Russian postmodern poetry". Volgograd, 2010) has studied the peculiarities of the creation of spatial images in modern Russian postmodernist poetry.

The scientist A.B. Yesin in his work "Principles and methods of analysis of literary work" (Moscow, "Flinta. Nauka", 2000) devoted to the methods of selection of works of art focuses on each literary chronotope and emphasizes the lyrical chronotope with epic, dramatic chronotope. The scientist connects the "breaking" of traditions by poets, the transformation of images, the introduction of new descriptions into the literature in relation to their chronotope. These studies confirm that the individual attitude of authors to time and space realizes their psychological differences, views on the world, objective reality. Thus, in the post-Soviet period, the study of lyrical chronotope in Russian literature was dominated by the study of individual authors. In this direction chronotope in the works of famous Russian poets such as A.S Pushkin [9], M.Yu. Lermontov [10], A. Akhmatova [11], S. Yesenin [12], B. Pasternak [13], M. Tsvetaeva [14], V.V. Mayakovskiy [15].

In short, the problem of lyrical chronotope in world and Russian literature began to be studied in the late twentieth and early nineteenth centuries. While the research in this direction is carried out in the periodical approach to the study of world literature, it can be seen that in the study of Russian literature the focus is on the study of the chronotope in the education of individual authors.

References:

1. Аристотел. Поэтика (Поэзия санъати хақида). Тошкент, «Ғафур Ғулом номидаги адабиёт ва санъат нашриёти», 1980, 9-12-бб.
2. Адабий турлар ва жанрлар (Тарихи ва назариясига оид). Уч жилдлик. 2-жилд. Лирика. Тошкент, «Фан», 1992, 56-61-бб.
3. Хализев В.Е. Теория литературы. Москва, «Высшая школа», 2002. СС. 346-354.
4. Janice B. The Chronotope and the Generation og Meaning in Novels and Paintings. Wayne State University Press. 1994.No.2, pp.291-316; [Lawson J. Chronotope, Story, and Historical Geography: Mikhail Bakhtin and the Space-Time of Narratives. 2011// <https://doi.org/>](#); Currie, Mark. About Time: Narrative, Fiction and the Philosophy of Time. –Edinburgh: Edinburgh University Press, 2007; Haynes J. Bakhtin and the Visual arts // A companion to Art theory. Blackwel publishing. 2002.
5. Probststein I. The River of Time Time-Space, History, and Language in Avant-Garde, Modernist, and Contemporary Russian and Anglo-American Poetry. England. «Academic Studies Press», 2017. // <https://www.degruyter.com/document/doi/10.1515/9781618116277/html>
6. Malone M. That other life, so near in time and distance' : Forms of Time and of the Chronotope in Great War poetry// www.academia.edu.
7. Ахалкати Т. Time-space continuum in Georgian romantic poetry // [Karadeniz Uluslararası Bilimsel Dergi](#). 2019, N42, p.235-245.
8. Хализев В.Е. Время и пространство. Теория литературы. Москва, «Высшая школа», 1999. стр. 249.
9. Иванов П. Образы стихий и пространственная картина мира в поэзии А.С. Пушкина: мотивный комплекс, мифопоэтика. Автореф. дис. док. филол. наук. Красноярск, 2010; Фаритов В.Т. Философские аспекты времени и пространства в творчестве А.С. Пушкина // *Litera*. – 2015. – № 1. – С. 1 - 30. URL: https://nbpublish.com/library_read_article.php?id=15098.
10. Зотов С. Н. Художественное пространство — мир Лермонтова. Автореф.дис.док.филол.наук. Ставрополь, 2001; Уланова О. Тарханский хронотоп Михаила Лермонтова. Саранск, 2005.
11. Хомяков С. Формирование лиро-эпической картины мира в творчестве А.А.Ахматовой (на материале пространственно-временных характеристик ранней лирики, «Реквиема» и «Поэмы без героя»). Автореф.дис.канд. филол.наук. Москва, 2019.
12. Кривошапко С. Концепты время и пространство в лирической поэзии С.А. Есенина. Автореф.дис.канд. филол.наук. Ростов, 2010.

13. Ким Ен Сук. Художественное пространство в лирике Б. Пастернака. Автореф. дис. канд. филол. наук. Москва, 2001; Маслова А. Поэтика хронотопа в раннем творчестве Б. Л. Пастернака. Киров, 2003.

14. Крысанова А. Семантика художественного пространства в лирике М. И. Цветаевой. Автореф. дис. канд. филол. наук. Москва, 2014; Чернухина М. А. Хронотопы «пути», «дороги» в творчестве М. И. Цветаевой // Современные проблемы науки и образования. – 2012. – № 2.

15. Юрасова Н. Пространство и время в художественном мире В. В. Маяковского. Автореф. дис. канд. филол. наук. Нижний Новгород, 2008.

Rezyume: *Mazkur maqolada jahon va rus adabiyoti misolida lirik xronotopni o'rganishning asosiy yo'nalishlari ko'rib chiqiladi.*

Резюме: *В статье исследуются основные направления изучения лирического хронотопа на примере мировой и русской литературы.*

Kalit so'zlar: *lirik xronotop, uslub va xronotop, xronotopik tahlil, badiiy zamon va makon obrazlari.*

Ключевые слова: *лирический хронотоп, стиль и хронотоп, хронотопный анализ, образы художественного времени и пространства.*