

ROLE OF SCIENCE AND CULTURE IN UZBEKISTAN DURING WORLD WAR II

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Abstract: *In this article, the development of the country's scientific potential with the creative work of Uzbekistan's social and humanitarian scientists-historians, orientalists, literary critics, linguists, economists and philosophers is considered as a special issue.*

Key words: *UzFA, "Red Army", "Front reality, theater group, socio-humanitarian, preparations, statistics*

Along with the workers and laborers of Uzbekistan, science, education and culture workers also contributed to the victory over the German-fascist invaders. Many scientists who answered "Labbay" to the slogan "Everything for the front, everything for victory" went to the front in the first days of the war. Among them are famous scientists of Uzbekistan - U.A. Orifov, A.Kh. Torakulov, I. Ismailov, Kh. There were Usmanov and others. T.N. Kori-Niyazov, V.I. Ramonovsky, T.Z. Zohidov, L. A. Raykova, O.S. Scientists like Sadikov worked with great effort to solve the problems, the results of which served for the national economy and the necessity of the front. Uzbek mathematicians, mechanics and astronomers solved a number of important scientific problems related to the improvement of the quality of aviation, ammunition and military equipment. In this T.A. Sarimsakov, V.I. Ramonovsky, M. Kamolov, N.N. Nazarov and other scientists made a great contribution. Their creative research in the field of probability theory and mathematical statistics made it possible to increase the accuracy of artillery fire and bomb throwing, the carrying capacity of combat airstrips, and to improve the quality indicators of military equipment produced in the republic. Geologists paid great attention to finding mineral resources and providing industry with necessary raw materials. 35 geological expeditions worked in the mountains and deserts of Uzbekistan in 1943 alone. Uzbek chemists proposed the use of cotton waste in the national economy, developed new methods of obtaining ethyl alcohol, acetic acid, coal briquettes as a result of dry processing of cane. Academician O.S. Chief Sadikov attached special importance to the work of the group. Academician S.Yu. Great works were carried out under the leadership of Yunusov. The chemical faculty of the Central Asian State University (UzMU) launched the production of narcosis ether, calcium chloride, caffeine, streptocide, sulfidin, nicotinic acid, which were important during the war. A Tashkent pharmaceutical plant was established on the faculty base. Uzbek pharmacists have discovered methods of production of 15 new medicines from local raw materials. Scientists of social and humanitarian sciences of Uzbekistan - historians, orientalists, literary experts, linguists, economists and philosophers made a

valuable contribution to the development of the country's scientific potential with their creative work, instilling the ideas of humanity, patriotism, and patriotism in the masses. Scientific research activities were led and coordinated by the Uzbek branch of the FA of the USSR (UzFAN), which was established in 1940, and then by the UzFA, which was opened in November 1943. The first president of UzFA was T.N. Kori Niyazov was elected. This was an important event in the life of the Uzbek people. With the successes achieved in 1943-1945, UzFA became a well-known scientific center in the Union. At this time, 818 scientific workers in 22 scientific institutions within the academy conducted research in various aspects of the world of science. Transferred academic staff also made a unique contribution to the activity of UzFA. Despite the difficulties of the war years, the activities of higher and secondary special schools and educational institutions did not stop in Uzbekistan. Uzbekistan had 29 higher and 52 secondary special educational institutions, the number of which increased due to 31 higher educational institutions transferred from the center and 7 military academies. 11,750 highly qualified specialists and 6,673 personnel were trained in these educational institutions during the war years.

In the field of public education, the departure of teachers to the front, the transfer of many buildings to hospitals, orphanages and military training centers, the lack of textbooks and training manuals, and the lack of specialist personnel caused many difficulties. Even so, during the war years, training was carried out regularly. Along with studying at school, students helped the wounded, family members of those who went to the front, families of war disabled people. Uzbek literature has also made its worthy contribution during the years of our nation's struggle against the evil enemy. Poets and writers such as Oybek, Hamid Olimjon, Shaikhzada, Gafur Ghulam, Uygun, Sabir Abdullah, Zulfiya, Temur Fattah inspired the people to victory with their poems and articles that mobilized them to the battlefields. Oibek's poem "Death to the Wild", the novel "Navoi", "I'm a Jew", Hamid Olimjon's "Sending Young Men to the Front". "Warrior Fursun", "Roksana's tears" and other works are bright examples of Uzbek literature during the war years. M. Ismaili, Ilyas Muslim, Nazarmat, Adham Rahmat, N. Safarov, Ibrahim Rahim, Z. Writers and journalists such as Fatchullin, Adham Hamdam participated in the front and served in front newspapers such as "Red Army", "Front Haqiqit", "Red Soldier Haqiqit", "Suvorovchi", "For the Homeland's Honor", Hamid Olimjon, Oybek, A Umari, Gafur Ghulam, Ra'no Uzokova and other poets and writers went to the front lines of the government delegations, met their heroes, praised the courage of their compatriots. A. Akhmatova, I. Virta, S. Gorodetsky, A. Deutsch, K. Zelinsky, Ya. Kolas, N. Pogodin, A. Tolstoy, writers and poets also lived in Uzbekistan and created wonderful works in cooperation with Uzbek writers. H., who headed the Republican Union of Writers. The scientist's service was great. In the field of dramaturgy N. "Sword of Uzbekistan" by Pogodin, Hamid Olimjon, Uygun and Sabir Abdulla, and "Revenge" by A. Umari, "Davron Ota" by Yashin and Sabir Abdullah, along with "Alisher Navoi" by Uygun and Izzat Sultan, "Mukanna" by Hamid Olimjon, Maqsud

Sheikhzadeh created dramatic works such as "Jalaluddin Manguberdi" and Oybek "Mahmud Tarobiy", which depicted the pages of the struggle of the Uzbek people against the invaders. During the war of 1941-1945, theater and art, which were considered an effective tool, developed significantly in Uzbekistan. Theater and art figures were at the front line. During this period, 35 local and 16 transplanted theater groups worked in Uzbekistan, prepared 203 new productions during the war and gave 13,568 performances and concerts to 6,667,303 spectators.

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