



“A DAY IN THE GALAXY” - THE ARTISTIC INTERPRETATION OF SCIENCE

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Abstract:

This article discusses the artistic interpretation of science in the work “*A Day in the Galaxy*” and highlights the contributions of contemporary Uzbek children's literature representative Sa’dulla Quronov to the development of the science fiction genre. It also touches on the significance of science fiction in today’s era of rapid scientific and technological development.

Keywords: science, science fiction, scientific facts, genre, cosmos

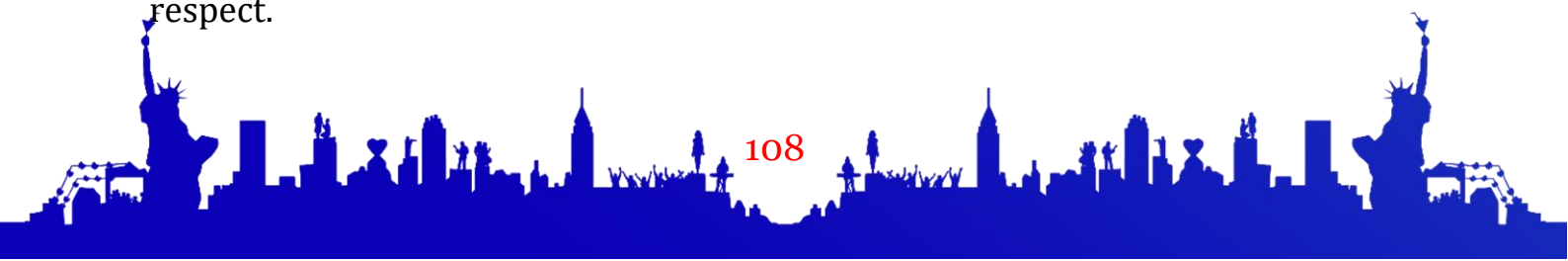
Introduction:

In today’s era of rapid scientific and technological development, the progress of science plays a crucial role. Modern writers cleverly integrate scientific achievements and the advantages of gaining knowledge into their literary works, bringing a new spirit and expression to our literature. One such writer is Sa’dulla Quronov. The author gained readers' affection through his works “*A Day in the Galaxy*” and its logical sequel “*The Gem of the Cosmos*”. We aim to reflect on how the author skillfully conveys scientific elements through art and the uniqueness of his works.

Main Section: Sa’dulla Quronov’s “*A Day in the Galaxy*” is considered one of the prominent examples of the science fiction genre in Uzbek literature. In this work, the author successfully combines elements of science, adventure, and fantasy, inviting readers to delve into the mysterious and fascinating aspects of the cosmos. The scientific and technological elements form the core of the work, with a deep exploration of their impact on human life.

The significance of science in the work is reflected in several ways:

1. Depictions of the Cosmos: The vastness of space, planets, and stars are depicted based on scientific principles. During Ahmad’s journey through space and his interactions with extraterrestrials, he often supports his inventions with scientific facts. Ahmad’s profound knowledge allows him to easily find solutions to various problems. His extraterrestrial friends are impressed by his intelligence, knowledge, and wit, holding him in great respect.





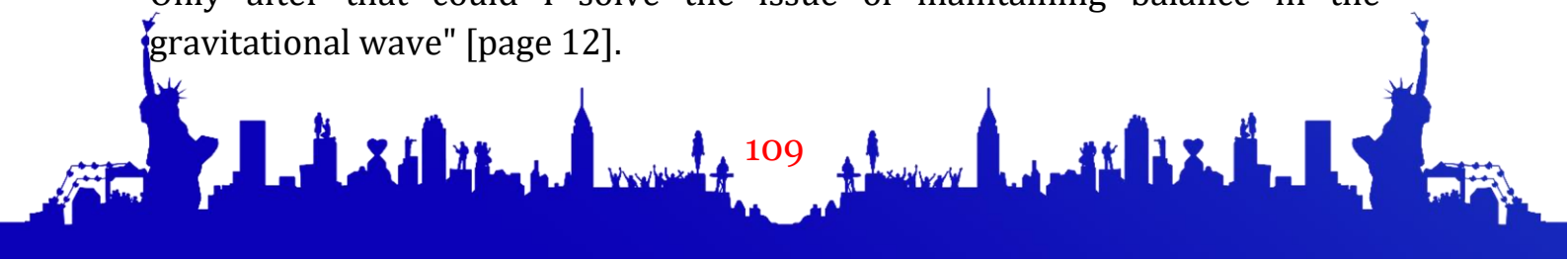
Examples of scientific facts mentioned in the work include:
"- The spacecraft separates from the rocket and, – our hero continued, – is caught in a gravitational wave in space with a small amount of energy. Gravity, that is, the laws of attraction in the entire universe, make this possible. Newton and Einstein's theories of gravity confirm this. Gravity is an invisible force that keeps the entire universe in motion. In space, there are waves of gravity similar to those in rivers. If my ship falls into one of these waves, it can fly to any point in space at high speed. – He began showing a chart of his calculations on the monitor. – The principles of quantum physics show this..." [page 5].

This passage, taken from the section *"The Inventors' Contest"*, shows Ahmad explaining his invented interplanetary spacecraft to the contest judges, with clear scientific facts backing his claims. The author skillfully integrates scientific facts into the artistic narrative. For example, Newton's laws of universal gravitation are well-known, and anyone familiar with physics would understand Einstein and quantum mechanics.

2. Technological Innovations: The work depicts advanced technologies, space crafts, and the technological capabilities of extraterrestrials. Through these depictions, the author reflects on how technology and science may change human life in the future. In many parts of the work, it is clear that the extraterrestrials have advanced far ahead of Earthlings in terms of science and technology. Ahmad comes to realize this during his journey. However, we also see that their technological advancements have caused an environmental crisis on their planets, which serves as a cautionary tale about the need for environmental protection.

There are also discussions about Isaac Newton, with Margol passing through a time portal to meet the great scientist. These dialogues are filled with scientific facts. The work also references Mirzo Ulugbek's *"Ziji Jadidi Ko'ragoniy"* (New Astronomical Tables). The protagonist studies this book with great dedication, relying on it to create his spacecraft and study astronomy. He explains:

"- *Ziji Jadidi Ko'ragoniy* is an astronomical table compiled by the great scientist Mirzo Ulugbek. This book was published in 1437. It contains information on 1018 stars. I had to calculate the coordinates, size, mass, gravitational force, and all other aspects of the planets based on this book. Only after that could I solve the issue of maintaining balance in the gravitational wave" [page 12].





The work does not limit science to technological aspects; it also addresses humanity's understanding of its place in the universe and its desire to explore the cosmos. Through Ahmad's interactions with other civilizations, the work touches on universal human values and unity.

The harmony between scientific facts and artistic expression holds significant importance in the work. Sa'dulla Quronov does not simply present scientific knowledge as dry facts but conveys it through vivid descriptions and adventurous plots. Through Ahmad's experiences, the author inspires readers to take an interest in science and technology. For instance, when extraterrestrials effectively use robot droids, the scientific approach is presented in an artistic way. The characters name the droid "Moki" and treat it like a companion, demonstrating the integration of scientific elements and artistic storytelling.

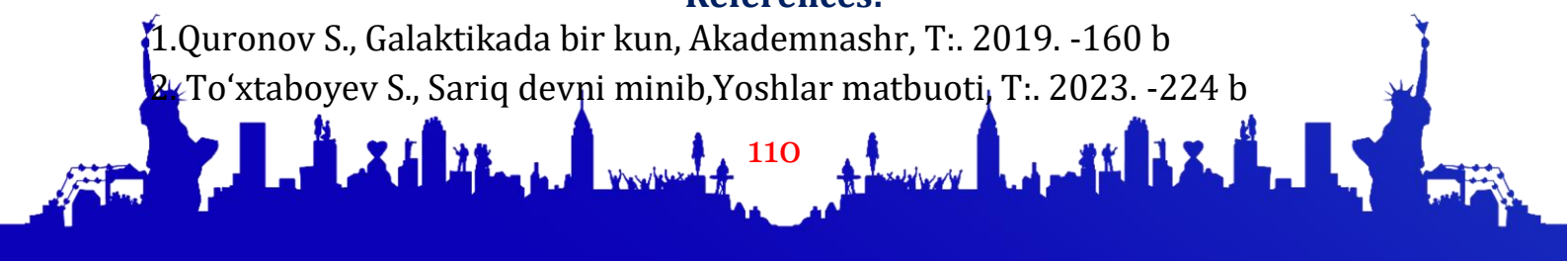
Through the artistic interpretation of science, the author achieves several goals: First, it popularizes scientific knowledge. The scientific events depicted in the work spark interest in the cosmos, technology, and science among young readers. Ahmad's use of technology and scientific knowledge to solve complex problems encourages the pursuit of knowledge. Furthermore, readers learn through Ahmad's interactions with extraterrestrials that the future of humanity depends on scientific progress. The philosophy of self-awareness is also evident in the work. Ahmad's journey through space is a process of discovering his inner world, which the author profoundly interprets, showing that science is not only about external discoveries but also about understanding oneself.

Conclusion:

In conclusion, *"A Day in the Galaxy"* is a unique artistic work where scientific and fantastical elements are harmoniously interpreted. Sa'dulla Quronov not only highlights the role and importance of science and technology in human life through exciting adventures but also aims to popularize scientific knowledge and encourage young readers to engage with science. The work motivates readers to appreciate the infinite nature of the cosmos, the power of technology, and the greatness of human intellect. Therefore, this work occupies a significant place not only in Uzbek literature but also in the genre of science fiction.

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