

Mr. Chair, distinguished delegates,

Israel considers the issue of Space technology for sustainable socioeconomic development to be of great importance. **I would like to share with you some of our national activities, as well as our international cooperations in these fields.**

StemRed supported by the Israel Space Agency developed a radiation protection vest for astronauts. The vest was already tested at the International Space Station for its ergonomic performance. It will be launched to lunar orbit as part of Artemis 1 in order to test its effectiveness in preparation for long duration human missions as part of a collaboration between NASA and DLR. This will be the first direct measurement of the threat of deep space radiation to the human body.

During March, the "RAKIA" mission will be carried out, sending the second Israeli to space, on a historic event of the first commercial mission to the ISS. The main purpose of the 'RAKIA' mission is to inspire the younger generations while advancing the Israel Aerospace Industries. The mission will enable Israeli entrepreneurs and researchers to have access to the ISS for demonstrating innovative ideas that need microgravity conditions and astronauts operation. The Israel Space Agency in the Ministry of Innovation, Science and Technology together with the Ministry of Health published a Call for proposal for experiments in micro gravity conditions. Out of dozens of proposals submitted, 4 groundbreaking experiments were selected for funding. These experiments make a significant contribution to a long-term stay in space as well as improving our daily lives on Earth.

One of the selected experiments, led by a research group from the Hebrew University in Jerusalem, investigates the physical and chemical properties of cancer cells, an anti-cancer nano-drug, and their interactions in space. The data obtained through this study will help fight cancer on Earth and use micro gravity for developing new nano-drugs.

Last but not least,

At the beginning of 2022, Israel has launched 8 CubeSats, built by over 250 high school students from all over the country, with the guidance of space and satellite engineers. This project, „TEVEL“, which means WORLD in Hebrew, is part of a wide program to nurture and build the next generation of Israeli space engineers and scientists.

Mr. Chair,

Space technology for sustainable socioeconomic development requires international cooperation. Israel intends to further its cooperation and collaboration on this key topic.

I thank you for your attention.