

In 2021, the "Startup-UzhNU" innovation ideas competition took place, featuring the participation of students, postgraduates, and young scientists from the university, as well as a student from the National University of Life and Environmental Sciences of Ukraine. During the final stage of the competition, 7 projects from young researchers in the fields of physics, chemistry, dentistry, information technology, health and physical education, as well as postgraduate and pre-university training, were evaluated.



The winning project in the "Startup-UzhNU 2021" competition was the "Model for optimizing the process of manufacturing surgical templates for dental implantation procedures using FDM printing technologies in dental clinics," presented by Myroslav and Ihor Honcharuk-Khomyn. The project aims to address three practical problems:

- 1) Improve the quality of dental care by increasing the accessibility of manufacturing surgical templates for the predictable execution of dental implantation procedures.
- 2) Minimize costs associated with the production of surgical templates by utilizing FDM three-dimensional printing technology in dental clinic conditions while maintaining the accuracy and quality of the used constructions.
- 3) Formulate a territorially oriented concept for organizing the mass production process of surgical templates in the Transcarpathia region as a competitive and

regionally adapted solution considering economic, geographic, and epidemiological conditions.



The second place is the project "University! Breathe fully!", which was presented by Emilia Glyudzyk and Svitlana Delegan-Kokaiko.



The project "Homemade 3D printer" by Anatoliy Kotvytskyi and Igor Honcharuk-Khomin took third place.

