



**Development and implementation of an innovative technology for the production  
new generation fruit and vegetable products enriched with dietary fibre preparation  
from potato starch with prebiotic properties for children and youth  
(2020-2023)**

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The PreSTFibre4kids project is coordinated by Jan Dlugosz University in cooperation with the most modern specialist pediatric hospital in Poland, the biggest comprehensive cancer center in Poland, one of the leading juice, nectar and soft drink producer in Poland and one scientific partner. The main goal of the project is to conduct development works, which will result in the development and implementation of the technology of production of unsweetened vegetable and fruit products enriched with a fibre preparation from potato starch with prebiotic properties and acceptable organoleptic and appropriate storage stability by children and adolescents. In addition, a pilot study evaluating the effect of enrichment of vegetable and fruit products with fibre preparation from potato starch with prebiotic properties on overweight and obese children and metabolic complications is planned. Evaluation points will be anthropometric, metabolic, immunological parameters and changes in intestinal microbiota and metagenome. The project will be implemented within a consortium composed of:

- Faculty of Science and Technology of Jan Dlugosz University in Czestochowa - Leader
- Tymbark MWS Sp. with o.o. Sp. K.,
- The Children's Memorial Health Institute
- Faculty of Biotechnology and Food Sciences, Lodz University of Technology
- Oncology Center-Institute of Maria Skłodowska - Curie.

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