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Forecast of the biopolymers future in Russia

Polyhydroxyalkanoates (PHA) are the most commemorated of biodegradable bioplastics due to good physical and mechanical properties, fast and complete biodegradability. PHA is a group of biodegradable and biocompatible polymers, which consists of more than nine groups, including polyhydroxybutyrate (PHB) and polyhydroxyvalerate (PGV). They are synthesized enzymatically by bacteria as a reserve source of energy. The main field of application of PHA-plastics is the manufacture of bulk products, packaging and 3D printing, depends on mixing PHB with various polymers. And also there are some fields of its using which will be available as piece and mass goods only with significant marketing support. Now the biopolymer market in Russia is only being formed, so there are only approximate indicators for several industries, but one of the goals of this study is also to characterize the biopolymer market in Russia. Some aspects of the study also relate the possibility of legislative lobbying for the use of bioplastics in Russia.

Biography

Kseniya Tsyglyaeva and Elena Prokopeva graduated from the Kazan National Research Technological University with receiving a bachelor's degree in Innovative Technologies in Chemistry. Also we were trained at the technical University of Ostrava (Czech Republic) in quality management. Currently Kseniya Tsyglyaeva is studying in "Commercialization of R&D Results". Elena Prokopeva is studying the specialty "Machines and apparatus of industrial ecology". They will receive a master's degree in 2020.

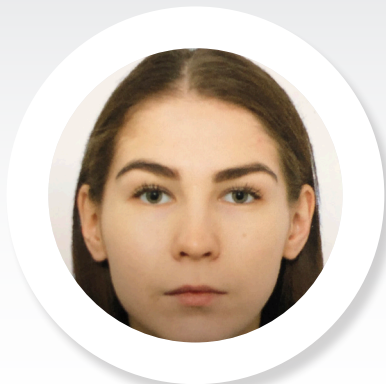
Both of them work in Kazanorgsintez, PJSC on the position of sales economists of Analysis and Planning Department. Kazanorgsintez, PJSC is one of the key chemical players in the Russian economy with a 60-year history. Our company ranks third in the list of the most open and transparent companies according to the data provided by the Russian office of Transparency International e.V. (TI), the international non-government organization. At this moment Kazanorgsintez, PJSC has a project of the Polyhydroxyalkanoates' (PHA) bioplastic production.

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