



МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ  
СУМСЬКИЙ ДЕРЖАВНИЙ УНІВЕРСИТЕТ  
КАФЕДРА ІНОЗЕМНИХ МОВ  
ЛІНГВІСТИЧНИЙ НАВЧАЛЬНО-МЕТОДИЧНИЙ ЦЕНТР

## **МАТЕРІАЛИ**

**XIV ВСЕУКРАЇНСЬКОЇ  
НАУКОВО-ПРАКТИЧНОЇ КОНФЕРЕНЦІЇ  
СТУДЕНТІВ, АСПІРАНТІВ ТА ВИКЛАДАЧІВ  
ЛІНГВІСТИЧНОГО НАВЧАЛЬНО-МЕТОДИЧНОГО ЦЕНТРУ  
КАФЕДРИ ІНОЗЕМНИХ МОВ**

**«TO MAKE THE WORLD SMARTER AND SAFER»**

26 березня 2020 року



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**Суми  
2020**

Biodegradable plastics can partially deprive us of these problems and move toward its goal of "zero waste" economy in which plastic is produced from biomass and it also transmits after use.

Recently found an innovative solution to produce plastic from cellulose or lignin, most likely, will help to get rid of these shortcomings.

Cellulose, the most abundant organic polymer on earth, is a major component of the cell walls of plants, lignin fills the space in these walls, giving them strength and rigidity.

Before the new plastics will be a product of mass use, will need to overcome many obstacles.

### "GREEN" AIRCRAFT FROM FILMS

A. Yakovenko - Sumy State University, group PM-91  
S.V. Podolkova – EL Adviser

Every year, the amount of passengers on airplanes is growing by several million people and the slogan "Everyone can fly" becomes a reality. In addition, there are different types of aircraft: wide-body aircrafts are used for transporting a large number of passengers for medium and long distances, narrow-body ones have lower passenger capacity, regional and local.

But not all modern planes are environmental friendly. During flights carbon gets into the atmosphere, which causes environmental pollution. That's why some companies try their best to solve this problem.

In February of this year, the company Airbus presented a new model of the aircraft Maveric. In this new model of the aircraft, the body is blended with the wings. This construction permits to reduce air resistance, fuel consumption and carbon emissions. Airbus estimates that Maveric can reduce fuel consumption by 20% compared to other existing narrow-body aircraft. This percentage will allow the company to contribute to

environmental protection. It is worth noting that two engines are located at the rear.

Engineers have increased the cabin area and thanks to this, passengers will be as comfortable as possible. Thanks to its unusual design, Maveric is like a plane from fiction films. The developers of the aircraft believe that the new form will make it easier to improve it in the future. Airbus is only testing a new aircraft, but it is possible that in the near future we will make flights on such aircraft.

At the moment, the environmental problem is very acute for humanity. Airbus is an example of a company that is developing new environmental technologies. The company presented not only a unique design, but also the protection of our lives in the future. The developer of this model noted that they need breakthroughs, their technologies must solve the environmental problems which are set for them.