

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

**МАТЕРІАЛИ
VIII МІЖВУЗІВСЬКОЇ НАУКОВО-ПРАКТИЧНОЇ
КОНФЕРЕНЦІЇ
ЛІНГВІСТИЧНОГО НАВЧАЛЬНО-МЕТОДИЧНОГО ЦЕНТРУ
КАФЕДРИ ІНОЗЕМНИХ МОВ**

“TO LIVE IN A SAFER WORLD”

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The eighth scientific practical student`s, postgraduate`s and teacher`s
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FOSSIL FUELS

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One of the most discussed global problems nowadays is using fossil fuels. For the past hundred years we have come to relying more on that power source. It facilitates the industrial revolution and helps to turn the Western world into what it is today. On the contrary, unwise consumption of resources will cause a lot of problems in future. The fact is that we are running out of this resource considerably quickly. However, it will not happen tomorrow we are not able to rely on that source of energy to power our economy any more.

Demand on the fossil fuels is increasing rapidly all over the world. As soon as such countries with large population like China and India become more and more developed they intensify usage of the petrol. The stated goal of the Chinese government, for example, is to achieve level of development where every Chinese family owns a car. If this happen it would require more than the world's total oil production to satisfy people's needs. The competition for a limited resource keeps the price going up. People are already upset by the high fuel prices. The cost is predicted to go even higher in future. When this happens it is going to do real damage to the economies of developed nations that depend mostly on resources imported from overseas.

The biggest problem connected with that source of energy is the environmental damage which its obtaining causes. There is a destruction of ecosystems in both: getting it out of the ground and burning it as a fuel source. The threat of climate change has made it obvious that we should reduce the emissions of this resource.

Global warming is one of the most dangerous consequences of extra fossil fuels consumption brings about. The planet's

temperature is getting higher. This tendency is obvious and unmistakable. The previous 37 years have been warmer than a whole 20th century. The 12 warmest years on record have all occurred since 1998. The hottest period ever recorded for the United States was in 2012. Globally, the average surface temperature has increased more than one degree Fahrenheit since the late 1800s. Most of that increase has just occurred over past three decades. This problem was caused by overloading atmosphere with carbon dioxide, which traps heat and steadily drives up the globe temperature. Where does all this carbon come from? The answer is fuels we burn for energy (coal, natural gas and oil).

The issues given above explain why current technologies of getting and using fossil fuels should be replaced and retrofitted with alternatives that have comparable or better performance and do not emit carbon dioxide. For example: Biomass Energy, Wind Energy, Solar Energy, Geothermal Energy, Hydroelectric Energy sources. The exploitation of clean alternative energies such as the home use of solar power systems combined with the usage of recycling will help ensure human beings` survival in the 21st century.