

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

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

**“TO MAKE THE WORLD SMARTER AND SAFER”**

(Суми, 23 березня 2017 року)

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE  
SUMY STATE UNIVERSITY  
FOREIGN LANGUAGES DEPARTMENT  
LANGUAGE CENTRE

**MATERIALS OF THE ELEVENTH  
ALL UKRAINIAN SCIENTIFIC PRACTICAL  
STUDENTS', POSTGRADUATES' AND INSTRUCTORS'  
CONFERENCE OF LANGUAGE CENTRE OF THE  
FOREIGN LANGUAGES DEPARTMENT**

**“TO MAKE THE WORLD SMARTER AND SAFER”**

(Sumy, March 23, 2017)

## SOLAR ENERGY IS AN ENERGY ALTERNATIVE SOURCE

*A. Yeremenko – Sumy State University, group U-31  
S.V. Podolkova – EL Supervisor*

Our relationship with the environment is bilateral. If we want to live in clear world that takes care about us we must take care about the environment. It is evident that healthy population and high quality of life is possible only in healthy environment.

Nowadays we have some negative effects on the environment that caused by results of coal, oil and gas burning. People use these resources everyday: while driving a car, cooking a breakfast, turning on the heat in the house and etc. All these activities lead to "greenhouse effect" that changes the climate of our planet. Ultimately we get air pollution, acid rains, climate changes which destroy flora and fauna, kill thousands of people around the world and make millions of humans ill. Presently the quality of our life and health is becoming worse and worse.

We must change this situation; one of the possible solutions is to reduce consumption of fossil fuel. Alternative sources of energy that do not consume coal, oil, gas and fossil fuel are used for this purpose. They are widely available, environment friendly and cause little or almost no pollution. Actually, there have been carried out several alternative energy projects in various countries aimed at the reduction of our dependence on traditional fossil fuels, such as Solar

Energy, Wind Energy, Geothermal Energy, Hydroelectric Energy, Biomass Energy, Ocean Energy, Hydrogen Energy.

Solar energy is one of the alternative sources of energy which can be used everywhere. However, we can get only 30 percent of the sunlight, because the rest of it is reflected back into the space. The available amount of sunlight usually depends on geographical location and climatic conditions. Getting solar energy in the regions with colder climate is less effective than in the regions near the equator. Spreading of solar power plants leads to the increase of ecologically safe energy generation. As a result we don't have to use so much fossil fuel for energy producing, which, in its turn, leads to reduction and prevention of negative influence on environment, such as green house effect, pollution emissions, etc. Besides, construction and exploitation of solar power station create employment and competition on the energy market of energy which cause decrease of energy prices.

Solar energy is renewable source of power that doesn't pollute air and may be used all over the world. It is one of the keys that can stop global climate changing. We must take care of the environment if we want to live in pure world and to be healthy.