

# POSSIBILITIES OF USING RENEWABLE ENERGY SOURCE AND MUNICIPAL SOLID WASTE IN FUNCTION SUSTAINABLE DEVELOPMENT

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***Abstract:** Renewable energy sources not only now certainly represent the right alternative to reducing the primary energy consumption and sustainable development of the society, but also the right choice when it comes to energy impact on ecology, environmental protection, carbon dioxide emissions and global warming planets. The aim of this paper is to present some of the possible ways of using renewable energy sources and municipal solid waste in the function of sustainable development, such as the use of renewable energy sources and municipal solid waste in the process of food production. Also, the goal is to show advantages and some limitations related to the use of renewable energy sources and municipal solid waste in the process of food production. During the development of this work, various scientific methods were used, such as: method of analysis (analysis of results of many years laboratory and field work), synthesis method, description method, statistical method for data processing, etc. The results of the research of scientific literature have shown that different renewable energy sources and different municipal waste can be used in different ways in the process of food production.*

**Key words:** Renewable energy, municipal solid waste, heat and electricity, agricultural fertilizer, food production.