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Din sumar

TEHNOLOGIE / TECHNOLOGY



ABSTRACTS “INNOVATIVE TECHNOLOGY” 1-2 / 2017

ANALYSIS OF TECHNICAL EQUIPMENT USED WITHIN THE CULTURE TEHNOLOGY OF ENERGY PLANT MISCANTHUS

**Sorică Elena¹, Sorică Cristian¹,
Brăcăcescu Carmen¹, Grigore Ion¹,
Mircea Costin¹**

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Machines and Installations Designed to
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*The culture technology of energy plant
Miscanthus comprises all agro-technical works
necessary in the production process for
establishing, maintaining and harvesting the
culture.*

*The use of modern technologies as well as of
high-performance equipment will have practical
utility for the farmers who want to invest in
energy cultures both in order to obtain biomass
and to sell rhizomes for establishing new cultures.*

CONSIDERATIONS ON SOLAR ENERGY APPLICATIONS IN AGRICULTURE

**Sorică Elena¹, Sorică Cristian¹, Vlăduțoiu
Laurențiu¹, Pruteanu Augustina¹, Grigore Ion¹**

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*This paper presents solar energy applications in
agriculture as well as the importance of
photovoltaic panels in supplying electricity to
remote locations such as agricultural
exploitations, farms, orchards and other
agricultural operations. In the same time, water
pumping is one of the simplest and most adequate
uses of photovoltaic panels. In this respect, INMA
created a water pumping system and an automatic
irrigation system based on dripping technology.*

CONSIDERATIONS REGARDING TO HIGHER CAPITALIZATION POSIBILITIES OF RHUBARB CULTURE

**Sorică Elena¹, Vladutoiu Laurentiu¹,
Sorică Cristian¹**

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Romania, postelnicu.elena@yahoo.com

*In the paper is presented a study that summarizes
aspects of the extraordinary potential of rhubarb
for capitalization as a medicinal plant in various
pharmaceutical specialties, as well as in
traditional processing. Also, are presented
nutritional and active principles of plant, as well
as the given effects by those.*

CONSIDERATIONS REGARDING TO BIOLOGICAL TREATMENT METHODS OF WASTE

**Grigore Ion¹, Vlăduț Valentin¹, Sorică Elena¹,
Sorică Cristian¹, Vlăduțoiu Laurențiu¹**

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*Within the paper are presented aspects regarding
to the main methods of treatment for biological
waste. The paper contains details regarding to
waste capitalization and recycling, using treating
process both by composting and anaerobic
fermentation within current systems and
technologies which are based on specialised
stations for a certain using in agriculture. Also,
there are presented aspects regarding to the main
parameters which influence biomass fermentation
process in order to obtain biogas.*