

## **E – ENERGIILE CURATE (REGENERABILE, VERZI). MEDIU**

## **E – CLEAN ENERGY (RENEWABLES, GREEN POWER). ENVIRONMENT**

### **- Ecological irrigation of Dambovita hydrotechnical engineering arrangement**

Constantin Nicolescu, Gheorghe Șovăială, Ioan Lepădatu, Gabriela Matache, Alexandru Marinescu, Lucian Iliescu, Dan Prepeliță

*In: Hidraulica no. 1-2/2011, pp. 45-52*

### **- Contributions to upgrading fertigation technologies**

Catalin Dumitrescu, Gabriela Matache, Stefan Alexandrescu, Gheorghe Sovaiala, Adrian Pantiru

*In: Hidraulica no. 3-4/2011, pp. 82-87*

### **- Micro-hydropower station for kinetic energy conversion of flowing water**

Ion Bostan, Valeriu Dulgheru

*In: Hidraulica no. 3-4/2012, pp. 15-21*

### **- Pneumatic measuring of the biomass consumption for TLUD generator**

Erol Murad, Cătălin Dumitrescu, Ioan Lepădatu, Liliana Dumitrescu

*In: Hidraulica no. 3-4/2012, pp. 39-44*

### **- Doubly feed induction generator for biomass combined heat and power systems**

Curac Ioan, Craciun Bogdan Ionut, Banyai Daniel Vasile

*In: Hidraulica no. 1/2013, pp. 61-64*

### **- Sizing solar circuit corresponding to a solar installations for preparation hot water systems**

Adriana Gruia

*In: Hidraulica no. 2/2013, pp. 60-64*

### **- Monitoring of physical indicators in water samples**

Rusănescu Carmen Otilia, Rusănescu Marin, Stoica Dorel

*In: Hidraulica no. 2/2013, pp. 84-89*

### **- Analysis solar radiation**

Carmen Otilia Rusănescu, Marin Rusănescu, Dorel Stoica

*In: Hidraulica no. 3/2013, pp. 26-31*

### **- Research on variation of displacements, velocities and accelerations at a site selector blocks (fanner) grain**

Dorel Stoica, Carmen Otilia Rusanescu

*In: Hidraulica no. 3/2013, pp. 38-42*

### **- Analysis of pressure in Bucharest between 2009-2012**

Carmen Otilia Rusănescu, Gigel Paraschiv, Gheorghe Voicu, Dorel Stoica

*In: Hidraulica no. 3/2013, pp. 57-63*

- **Some aspects regarding the global warming**

Carmen Otilia Rusănescu, Marin Rusănescu

*In: Hidraulica no. 4/2013, pp. 7-11*

- **Study on greenhouse**

Lorena Lupascu

*In: Hidraulica no. 4/2013, pp. 58-64*

- **Hydro-pneumatic systems for actuation of specific equipment, integrated in plants of energy production from vegetal waste**

Corneliu Cristescu, Catalin Dumitrescu, Genoveva Vranceanu, Liliana Dumitrescu

*In: Hidraulica no. 4/2013, pp. 72-78*

- **Solar installation for hot water for a family home**

Adriana Gruia, Carmen Otilia Rusănescu, Marin Rusănescu

*In: Hidraulica no. 4/2013, pp. 91-95*

- **Biomass combined heat and power DFIG concept CIGRE benchmark network impact**

Curac Ioan, Viorel Trifa, Bogdan Ionut Craciun

*In: Hidraulica no. 1/2014, pp. 14-20*

- **Forming eco-responsible behavior of future engineers based on the study of carbon footprint**

Olimpia Ghermec, Cristian Ghermec

*In: Hidraulica no. 2/2014, pp. 39-43*

- **The use of biochar as a means of soil regeneration**

Sava Anghel, Alina Iolanda Popescu

*In: Hidraulica no. 3/2014, pp. 13-18*

- **Rainfall indices in the city of Bucharest**

Carmen Otilia Rusănescu

*In: Hidraulica no. 3/2014, pp. 31-35*

- **The procedure for drying plant products in convective dryers**

Iulian – Cezar Girleanu, Gabriela Matache

*In: Hidraulica no. 3/2014, pp. 66-71*

- **Experimental research on high efficiency solar air heating collectors**

Adrian Ciocanea, Dorin Laurentiu Buretea

*In: Hidraulica no. 4/2014, pp. 56-60*

- **Experimental Model of Pneumatic Tracking System for Photovoltaic Panel**

Ionel Laurentiu Alboteanu

*In: Hidraulica no. 4/2015, pp. 17-22*

- **Optimization of Axial Wind Turbines Operation**

Mircea Bărglăzan

*In: Hidraulica no. 1/2016, pp. 30-35*

- **[Aerodynamic Protection of Wind Turbines](#)**

Mircea Bărglăzan, Teodor Miloș

*In: Hidraulica no. 2/2016, pp. 26-35*

- **[Water Supply Operating Rules in Parallel Dams by Means of Genetic Algorithms](#)**

Maritza L. Arganis, Rosalva Mendoza, Ramón Domínguez, Gerardo Acuña

*In: Hidraulica no. 2/2016, pp. 36-47*

- **[Increasing the Efficiency of Wood Biomass Gasification Boilers](#)**

Gabriela Matache, Ioan Pavel, Adrian Pantiru, Marius Ciciu

*In: Hidraulica no. 2/2016, pp. 70-75*

- **[The Nuntasi Riverbed Hydraulic Distribution Vector Speed](#)**

Mariana Panaitescu, Fanel-Viorel Panaitescu

*In: Hidraulica no. 2/2016, pp. 76-82*

- **[Environmental Awareness of Anthropogenic Impact](#)**

Carmen Otilia Rusănescu, Gigel Paraschiv, Sorin Ștefan Biriș, Marin Rusănescu

*In: Hidraulica no. 2/2016, pp. 83-87*

- **[Characterization of Rainfall Regime in Bucharest \(2009-2015\)](#)**

Carmen Otilia Rusănescu, Gigel Paraschiv, Sorin Ștefan Biriș, Gheorghe Voicu, Marin Rusănescu

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Sanda Budea, Mariana Panaitescu, Viorel Panaitescu

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- **[Temperature analysis in Bucharest \(2009-2015\)](#)**

Marin Rusănescu, Carmen Otilia Rusănescu

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- **[About Wind Turbine Power Estimation and Measurement](#)**

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- **[Combined Energy Systems for Obtaining Energy from Renewable Sources Used in Isolated Areas](#)**

Corneliu Cristescu, Catalin Dumitrescu, Genoveva Vrânceanu, Liliana Dumitrescu, Ana-Maria Popescu

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- **[Modeling of Flow through Cooling Plant with Sea Water](#)**

Mariana Panaitescu, Fanel-Viorel Panaitescu, Gabriel Tudose

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- **[Considerations regarding Aerodynamic Interaction between Two Wind Turbines. Case of Study: Two Wind Turbines with Rotor Diameter of 6 Meters](#)**

Adrian Popa, Beazit Ali, Ionut Cristian Scurtu

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- **Vector Estimation of Centrifugal Force and CAD Techniques for Protection Mechanism at Over-Speed of the Low-Power Wind Turbine Rotor**

Teodor Miloş, Mircea Bărglăzan, Rodica Bădărău

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- **Assessing the Hydro Power Potential of Bistrita River**

Mariana Panaitescu, Fanel-Viorel Panaitescu

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Gheorghe Sovaiala, Sava Anghel, Gabriela Matache, Alina Iolanda Popescu

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- **Hydro Power Solution with Radial Turbine Based on Medium Flow Rate Water Streams**

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Corneliu Cristescu, Cătălin Dumitrescu, Valeriu Dulgheru, Teodor Costinel Popescu

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Mariana Panaitescu, Fanel-Viorel Panaitescu

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Mariana Panaitescu, Fănel-Viorel Panaitescu, Simona Ghiță, Iulia-Alina Anton

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