

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 Miloş

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 Ştefan Biriş, Marin Rusănescu

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

- **Characterization of Rainfall Regime in Bucharest (2009-2015)**

Carmen Otilia Rusănescu, Gigel Paraschiv, Sorin Ştefan Biriş, Gheorghe Voicu, Marin Rusănescu

In: Hidraulica no. 3/2016, pp. 34-41

- **The Analysis of the Black Sea Waves Features in order to Capitalize their Hydropower Potential**

Sanda Budea, Mariana Panaitescu, Viorel Panaitescu

In: Hidraulica no. 3/2016, pp. 48-53

- **Temperature analysis in Bucharest (2009-2015)**

Marin Rusănescu, Carmen Otilia Rusănescu

In: Hidraulica no. 3/2016, pp. 60-68

- **About Wind Turbine Power Estimation and Measurement**

Mircea Bărglăzan, Teodor Miloş

In: Hidraulica no. 4/2016, pp. 18-26

- **Combined Energy Systems for Obtaining Energy from Renewable Sources Used in Isolated Areas**

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

In: Hidraulica no. 4/2016, pp. 33-40

- **Modeling of Flow through Cooling Plant with Sea Water**

Mariana Panaitescu, Fanel-Viorel Panaitescu, Gabriel Tudose

In: Hidraulica no. 1/2017, pp. 16-20

- **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

In: Hidraulica no. 1/2017, pp. 49-54

- **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

In: Hidraulica no. 2/2017, pp. 6-13

- **Genetic Programming Applied for Shaping a Design Hydrograph from the Historical Flows' Pattern**

Maritza Liliana Arganis Juárez, Juan José Baños Martínez, Margarita Preciado Jiménez, Cecilia González Correa

In: Hidraulica no. 2/2017, pp. 21-33

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

Mariana Panaitescu, Fanel-Viorel Panaitescu

In: Hidraulica no. 2/2017, pp. 50-55

- **Possibilities for Agricultural Farms of Adopting and Applying Optimal Energy Recovery Solutions from Nearby Water Flows**

Fănel Dorel Şcheaua

In: Hidraulica no. 2/2017, pp. 68-71

- **Testing of the Fertigation Equipment in Operation Conditions**

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

In: Hidraulica no. 3/2017, pp. 31-36

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

Fănel Dorel Şcheaua

In: Hidraulica no. 3/2017, pp. 37-40

- **Increasing Energy Efficiency and Optimizing the Operation of Systems That Produce Clean Energy from Renewable Sources**

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

In: Hidraulica no. 3/2017, pp. 62-73

- **Operational Management with Application on Streamline Sewage Treatment Stations**

Mariana Panaitescu, Fanel-Viorel Panaitescu

In: Hidraulica no. 4/2017, pp. 73-83

- **Aspects regarding the Use of Digital Hydraulics in P.E.T. Waste Baling Presses**

Iulian-Claudiu Duţu, Sorin-Ştefan Biriş, Edmond Maican

In: Hidraulica no. 4/2017, pp. 109-114

- **Statistical Analysis of the Pollution of a Hydraulic Oil Based on the Evolution of the Filter Clogging on the Pressure Pipe**

Mounir Gahgah, Azzedine Bouzaouit

In: Hidraulica no. 1/2018, pp. 49-54

- **From Human-Environment Interaction to Environmental Informatics (I): Theoretical and Practical Implications of Knowledge-Based Computing**

Bogdan Cioruța, Mirela Coman, Alin-Andrei Cioruța, Alexandru Laurant

In: Hidraulica no. 1/2018, pp. 71-82

- **A New Solution for Water Aeration**

Eugen Tămășanu, Mădălina Zamfir, Nicolae Băran, Rareș Păun, Mihaela Constantin, Corina Moga

In: Hidraulica no. 2/2018, pp. 22-28

- **Design Details of a Turbine Model Used for Energy Conversion in Low Flow Rate Water Streams**

Fănel Dorel Șcheaua

In: Hidraulica no. 2/2018, pp. 29-32

- **From Human-Environment Interaction to Environmental Informatics (II): the Sustainability evolution as requirement of Knowledge-based Society**

Bogdan Cioruța, Mirela Coman, Alexandru Laurant

In: Hidraulica no. 2/2018, pp. 33-42

- **A Point of View about Ecological Status of Maritime Lakes**

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

In: Hidraulica no. 2/2018, pp. 57-62

- **Studying Transients in Water Supply Systems**

Zoltán Csongrádi, Nikolett Fecser, Bálint Lajtai

In: Hidraulica no. 3/2018, pp. 26-32

- **Studying the Influence of River Works on River Flow Regime with 1-D Hydraulic Modelling**

Marie-Alice Ghițescu, Albert Titus Constantin

In: Hidraulica no. 3/2018, pp. 33-38

- **Water Flow Transition on a Hydropower Virtually Developed Sector of Bârzava River in the Town of Reșita**

Alina-Ioana Popescu-Bușan, Gheorghe Lazăr, Albert Titus Constantin, Șerban-Vlad Nicoară

In: Hidraulica no. 3/2018, pp. 46-55

- **Automatic Electro-Hydraulic System for a P.E.T. Waste Baling Press**

Iulian-Claudiu Duțu, Edmond Maican, Sorin-Ștefan Biriș, Mihaela-Florentina Duțu

In: Hidraulica no. 3/2018, pp. 68-73

- **A Method to Address the Fixing of Sealing Deficiencies at the “Ostrovl Mic” Left Bank, “Râul Mare – Downstream” Water Development**

Albert Titus Constantin, Gheorghe Lazăr, Alina-Ioana Popescu-Bușan, Șerban-Vlad Nicoară

In: Hidraulica no. 3/2018, pp. 74-83