

**PORTOFOLIU**  
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*Instalații pentru construcții; rețele edilitare și rețele termice și sanitare;*

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**Carti si capitole ca autor in edituri internationale**

- Sustainable Energy in the Built Environment - Steps Towards nZEB - The Usage of Earth's Natural Potential for Cooling and Heating in Industrial Building;
- Sustainable Energy in the Built Environment - Steps Towards nZEB - Valorification of Renewable Ground Energy in a Building Heating;

**Suport didactic - indrumar de laborator, aplicatii**

- Indrumator de Laborator; Hidraulica Instalatiilor-Instalatii Sanitare; Termotehnica-Instalatii Termice;

**Articole in reviste cotate ISI Thomson Reuters si in volume indexate ISI proceedings**

- A METHOD FOR THE STUDY OF THE VIBRATION OF MECHANICAL BARS SYSTEMS WITH SYMMETRIES revista: TECHNICAL UNIVERSITY OF CLUJ-NAPOCA ACTA TECHNICA NAPOCENSIS Series: Applied Mathematics, Mechanics, and Engineering Vol. 60, Issue IV, November, 2017 issn:12215872 AnAparitie:2017;
- Advanced high-density polyethylene used in pipelines networks revista:11th International Conference Interdisciplinarity in Engineering, INTER-ENG 2017, 5-6 October 2017, Targu-Mures, Romania issn:23519789 AnAparitie:2017;
- USING THE EARTH'S NATURAL POTENTIAL FOR HEATING A BUILDING revista: JOURNAL OF APPLIED ENGINEERING SCIENCES issn:22473769 AnAparitie:2018;
- EXPERIMENTAL ANALYSIS OF A MECHANICAL SYSTEM COMPOSED BY TWO IDENTICAL PARTS revista: TECHNICAL UNIVERSITY OF CLUJ-NAPOCA ACTA TECHNICA NAPOCENSIS Series: Applied Mathematics, Mechanics, and Engineering Vol. 61, Issue III, September, 2018 issn:12215872 AnAparitie:2018;
- Vibration Analysis of a Mechanical System Composed of Two Identical Parts revista: Romanian Journal of Acoustics and Vibration issn:26020351 AnAparitie:2018;
- Modeling air change rate in a naturally ventilated building revista: 17th International Multidisciplinary Scientific GeoConference SGEM 2017 issn:13142704 AnAparitie:2017;
- Rainwater today, from source of disasters to recovered value revista: 17th International Multidisciplinary Scientific GeoConference SGEM 2017 issn:13142704 AnAparitie:2017.
- "Two Dimensional River Floods Modeling For Urban Area" 12th International Conference on Sustainable Energy & Environmental Protection "SEEP 2019" November 18-21, 2019 University of Sharjah – articol acceptat pentru prezentare.

**Articole in reviste si volumele unor manifestari stiintifice indexate in alte BDI**

- "Balancing thermostat installations recirculating hot water thermostatic control using thermostatic self-acting proportional valve" revista: BULLETIN OF THE TRANSILVANIA UNIVERSITY OF BRASOV - SERIES I - CIBv2013 BDI:GOOGLE SCHOLAR;
- "Natural ventilation network design of a building" revista: BULLETIN OF THE TRANSILVANIA UNIVERSITY OF BRASOV - SERIES I - CIBv 2013 BDI:GOOGLE SCHOLAR;



- "Outdoor air quality monitoring by the National Network for Air Quality Monitoring" revista: BULLETIN OF THE TRANSILVANIA UNIVERSITY OF BRASOV - SERIES I - CIBV 2013 BDI:GOOGLE SCHOLAR;
- "The tertiary treatment stage of wastewater" revista: BULLETIN OF THE TRANSILVANIA UNIVERSITY OF BRASOV - SERIES I - CIBV 2013 BDI:GOOGLE SCHOLAR ;
- "Ground Coupled Heat and Moisture Transfer from Buildings Basement" revista :Recent Advances in Environmental Science BDI:GOOGLE SCHOLAR ;
- "Double Skin Facade - a Solution for Reducing Energy Consumption of Residential Buildings in Romania" revista: JurnalBDI: Recent Advances in Engineering Mechanics, Structures and Urban Planning BDI:GOOGLE SCHOLAR;
- "Heat Load Calculations by Means of CTF vs. SR 1907" revista: ADVANCES in ENVIRONMENTAL TECHNOLOGIES, AGRICULTURE, FOOD and ANIMAL SCIENCE BDI:Scopus;
- "USING MULTICRITERIAL RANKING MODELS IN CASE OF SOLUTIONS REGARDING THE SUPPLY OF THERMAL ENERGY FOR RESIDENTIAL GROUPS OF BUILDINGS" revista: ANNALS OF THE CONSTANTIN BRANCUSI UNIVERSITY OF TARGU JIU, ENGINEERING SERIES BDI: COPERNICUS;
- "Improvement of fire resistance determination process for buildings and metal structures under the influences of fire" revista: Recent Advances in Intelligent Control, Modelling and Computational Science BDI:EBSCO;
- "Hydrodynamic Modeling of the Jet Bubbling Reactor JurnalBDI: Recent Advances in Circuits, Systems and Automatic Control" revista: Recent Advances in Circuits, Systems and Automatic Control BDI:Scopus ;
- "The Calculus and Simulation of Underfloor Heating Systems" revista: Recent Advances in Circuits, Systems and Automatic Control BDI:Scopus;
- "Flat Radiator Tubes for Technological Uses" revista: Recent Advances in Circuits, Systems and Automatic Control BDI:Scopus;
- "Wood or Pellet Burning Gas Radiator Tubes Used for Heating Churches" revista: Recent Advances in Circuits, Systems and Automatic Control BDI:Scopus;
- "Choosing Heating Units Using the Electre Function" revista: Recent Advances in Circuits, Systems and Automatic Control BDI:Scopus;
- "Calculation of Performance Indicators for Heat Recovery Heat Pipes which Operate in Gas-Gas Mode" revista: Proceedings of the International Scientific Conference CIBV 2012 BDI:GOOGLE SCHOLAR;
- "Thermo-aeraulic simulation of mono façade natural ventilation" revista: Advanced Engineering Forum vol.21 BDI:GOOGLE SCHOLAR;
- "The Thermal and Optical Behavior of Multilayer Low-E Solar Control Glass Surfaces" revista: Advanced Engineering Forum vol.21 BDI:GOOGLE SCHOLAR;
- "COUPLED TRANSVERSAL AND LONGITUDINAL VIBRATIONS OF A PLANE MECHANICAL SYSTEM WITH TWO IDENTICAL BEAMS" revista: ROMANIAN JOURNAL OF TECHNICAL SCIENCES APPLIED MECHANICS BDI:BDI: GOOGLE SCHOLAR;
- "Dynamic Analysis of the Reaction Chamber for the ELIADE Array" revista: Acoustics and Vibration of Mechanical Structures—AVMS-2017 BDI:BDI: GOOGLE SCHOLAR;
- "A sizing method for hydronic tempered concrete and underfloor heating" revista: PROCEEDINGS OF THE INTERNATIONAL SCIENTIFIC CONFERENCE CIBV 2012 BDI: GOOGLE SCHOLAR;

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Semnătura  
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