

Lista de lucrări publicate

- 1. Blaga A., Gligor E., Goia E., **Panea C.**, *Aspects regarding the heating systems basing on renewable energy*, 7th International conference of phd Students, ISBN 978-963-661-935-0 ISBN 978-963-661-939-8, Published by the University of Miskolc, Innovation, and Technology Transfer Center, Miskolc, Hungary, August 10, 2010.
- 2. Blaga A., Felea I., **Panea C.** – Brevet *Instalații De Automatizare A Sistemului Hibrid Destinat Alimentării Cu Energie Termică A Unui Utilizator Individual*, 11) 128963 A2 (51) H05B 1/02 (2006.01) (21) a 2012 00228 (22) 30.03.2012 (41) 30.10.2013//10/2013 (71)
- 3. Blaga A., Roșca M., Gligor E., **Panea C.** -*Integration of renewable sources of the thermal energy in centralized district heating systems of Oradea Municipality*, Journal of sustainable energy, ISSN 2067- 5534 Editura Universitatii din Oradea, Oradea, Romania, Vol.1, Nr.3, pp. 50-59, Mai 2010
- 4. Blaga A., **Panea C.**, Gligor E. “*Monoagent heating system for solitary consumers, using heat from biomass burning*” Journal of sustainable energy, ISSN 2067- 5534 Editura Universitatii din Oradea, Oradea, Romania, Vol.1, Nr.1, pp. 46-50, Mai 2011
- 5. Felea I., Goia E., **Panea C.**, *Management oriented towards reducing the environmental impact of insurance systems for urban heat*, Journal of sustainable energy, ISSN 2067- 5534 Editura Universitatii din Oradea, Oradea, Romania, Vol.2, Nr.3, September, 2011, pp. 66-72
- 6. Felea. I., Ciobanca A., Goia E., **Panea C.**, *Quality Assessment Of Thermal Insulation Of Pipelines Within The District Heating Systems*, Journal of Sustainable energy, CIE conference, 2012
- 7. Felea. I., Goia E., Ciobanca A., **Panea C.**, *Assessment Of Operational Reliability Of Basic Thermomechanical Equipment From District Heating Power Plant Of Oradea*, Journal of Sustainable energy, CIE conference, 2012
- 8. Felea. I., **Panea, C.**, Bendea G., Moldovan, V., Cîmpan, M. - Stochastic Reliability Modeling of Renewable Energy Sources - Applications to Electro-Geothermal Groups, Journal of Sustainable Energy (ISSN 2067-5534), Volume 5, No. 1, March, 2014, pp. 1-7
- 9. Felea I, **Panea C.**, Bendea G - Stochastic evaluation of the reliability of the geothermal energy exploitation systems, Revue roumaine des sciences techniques-serie electrotechnique et energetique, Volume59, Issue2, 2014, WOS:000337989500003, ISSN 0035-4066
- 10. Goia E., Blaga A., **Panea C.**, “*Substitution of usual heat exchanger with high performance heat exchanger - thermal tubes, from a geothermal plant which functions on geothermal water*”, 7th International conference of phd Students, ISBN 978-963-661-935-0 ISBN 978-963-661-939-8, Published by the University of Miskolc, Innovation, and Technology Transfer Center, Miskolc,Hungary, August 10, 2010.
- 11. **Panea G Crina** , Rosca M., Blaga A “*Production of electricity from geothermal sources with low entalpy Kalina vs. Clausius Rankine cycle*”, Journal of sustainable energy, ISSN 2067- 5534 Editura Universitatii din Oradea, Oradea, Romania, Vol.1, Nr.1, pp. 46-50, Mai 2010.
- 12. **Panea C.**, - *Current status of geothermal energy in Romania and throughout the world. Methods of exploitation* , Workshop nr. 1 „Cercetări doctorale în domeniul tehnic” în cadrul proiectului strategic POSDRU/88/1.5/S/50783 “Prin burse doctorale spre cercetare de nivel european” , Universitatea din Craiova, România, 24-25 Februarie 2011
- 13. **Panea C.** - *Reliability and feasibility study of geothermal binary power plant* , Workshop Nr.3 Tema: “*Interdisciplinaritatea Și Managementul Cercetării*” PROIECTUL: “*Prin burse doctorale spre cercetarea de nivel european*”,

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- 14. **Panea C.**, Dzitac S., Barla E., - *Reliability Analysis Of A Geothermal Binary Power Plant, No.4, From Svartsengy, Using Monte Carlo Simulation*, Journal of Sustainable energy, 2012, CIE conference, 2012
- 15. **Panea C.**, Felca I., Almasan I., - *The Simulation of Processes and Performances within Low Enthalpy Geothermal Power Plants*" ID paper M1134, accepted for december 2012 International Conference on Frontiers of Mechanical Engineering, Materials and Energy (ICFMEME 2012), ISI Proceedings.
- 16. **Panea, C.**, Rosca, M., Moldovan, V., Bendea, G., Ciobanca, A. - *Analysis of Plate Heat Exchangers Situated in the Geothermal District Heating System – Iosia, Oradea, Advances in Environment Technologies, Agriculture, Food and Animal Science - Proceedings of the 2nd International Conference on Energy and Environment Technologies and Equipment (ISSN: 2227-4359, ISBN: 978-1-61804-188-3), Brasov, Romania, June, 2013, pp. 47 – 55*
- 17. **Panea C.**, Roșca M., Blaga A. - *Power generation from low enthalpy, Geothermal resources journal of sustainable energy, vol. 1, no. 2, june, 2010*