

LISTA DE LUCRARI

A. Teza de doctorat

Unguresan Paula Veronica (2008), „Cercetari privind optimizarea centralelor termice de cogenerare cu motoare cu ardere interna, prin analiza exergoeconomica a schimbatoarelor de caldura,” Conducător științific: Prof.dr.ing. Teodor Madarasan

B. Cărți și capitole în cărți publicate (în edituri recunoscute CNCSIS):

CĂRȚI

1. Madarasan, T., Apahidean, B., Ghiran, I., Teborean, I., Balan, M., Unguresan, Paula, B.Duma, F.Bode - *Indrumator pentru lucrari de termotehnica si masini termice*, Editura Todesco, Cluj-Napoca, 2006, ISBN 973-7695-17-8, in format electronic, pe CD.
2. Florin Bode, Paula Unguresan, *Combustie si instalatii de ardere*, Editura UT Pres, 2015, ISBN 978-976-662-998-3
3. Paula Unguresan Florin Bode, *Termodinamica aplicata*, UT Press, 2017, ISBN 978-606-737-248-9, in format electronic, pe CD.

CAPITOLE DE CARTE

1. Unguresan, P., *Exergoeconomic analysis of an internal combustion engine cogeneration system*, in *Developments in Mechanical Engineering*, Vol.4, Gdansk University of Technology Publishers, ISBN 978-83-7348-301-9, p.171-187, 2010

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c1) Articole științifice indexate Web of Science cu factor de impact

1. Florin Bode, Corina Giurgea, Victor Hodor, Paula Unguresan, Investigation of the non-reactive flow in a swirling burner, *Journal Mechanika*, Nr. 5(79), 2009, pp. 42-4, ISSN 1392-1207, WOS:000271802000006
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c2) Articole științifice indexate BDI

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2. Bogdan Porumb, Paula Ungureșan, Lucian Fehete Tutunaru, Alexandru Șerban, Mugur Bălan, A Review of Indirect Evaporative Cooling Operating Conditions and Performances, *Energy Procedia*, Volume 85, January 2016, Pages 452–460, <https://doi.org/10.1016/j.egypro.2015.12.226>
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6. Lavinia Socaciu, Angela Plesa, **Paula Unguresan**, Oana Giurgiu, Review on phase change materials for building applications, *Leonardo Electronic Journal of Practices and Technologies*, ISSN 1583-1078, Issue 25, July-December 2014, p. 179-194
7. **Paula Unguresan**, Florin Bode, Mugur Balan, Andrei Ceclan, Analysis of the cogeneration implementation potential into an existing saturated steam boiler industrial plant, *Revista Termotehnica*, ISSN-L 1222-4057, online ISSN 2247-1871, issue 1/2011, pag. 104-109,
8. Mugur Bălan, **Paula Ungureșan**, Florin Bode, Andrei Ceclan, Lorentz Jäntschi, Study of energy recovery options at a Wistra ceramic insulators oven, *National Conference of Thermodynamics with International Participation 26-28 May 2011, Craiova, Revista Termotehnica (Supliment)*, ISSN-L 1222-4057, online ISSN 2247-1871, nr 1/2011, Romania
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10. Angela Plesa, Dan Opruta, Monica Balcau, **Paula Unguresan**, Mathematical model for air flow in heat exchanger sinusoidal fins, *Revista Termotehnica*, Nr.2/2009, pg.22-25, ISSN-L 1222-4057
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2. Florin Bode, **Paula Unguresan** and Mugur Balan, study concerning the forming of asphalt crust during transport, *Buletinul Institutului Politehnic din Iasi*, Tomul LXI (LXV), Fasc 2, 2015, Sectia Constructii de Masini, pp. 61-72
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10. Hodor, V., Bode, F., Unguresan, Paula., Ratiu, C., CFD first prediction in designing a 50 kW swirling burner within its combustion chamber, *Scientific Bulletin of the Politehnica University of Timisoara, Transaction on Mechanics, Proceedings of the 3rd Workshop on Vortex Dominated Flows, Achievements and Open Problems, ISSN 1224-6077, June 1- 2, Timisoara, 2007*
11. Hodor, V., Bode, F., Unguresan, Paula, Ratiu, C., Numerical simulation researches on variable valve timing, *Acta Technica Napocensis – Applied Mathematics and Mechanics, ISSN 1221-5872, 50, vol.4, International Congress Automotive, Environment And Farm Machinery, AMMA 2007, 11-13 oct 2007, Cluj-Napoca, Romania*
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D. Studii publicate în volumele unor manifestări științifice

D1- Articole publicate în volumele unor conferințe internaționale

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2. Unguresan Paula, Victor Hodor, Angela Plesa, Florin Bode Exergoeconomic analysis of an internal combustion engine cogeneration system", *XIX International Symposium, Research-Education-Technology Bremen*, September 24th – 25th, 2009
3. Angela Plesa, Dan Opruta, Unguresan Paula, Using numerical computation method for determination of the plate and fins heat exchangers convective coefficient, *XIX International Symposium, Research-Education-Technology Bremen*, September 24th – 25th, 2009
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Semnătura

