

PORTOFOLIULUCRĂRI ȘTIINȚIFICE RELEVANTE ÎN DOMENIUL TEZEI DE ABILITARE

Conferențiar universitar dr. ing. **Camelia PINCA-BRETOTEAN**

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1. **Pinca Bretotean Camelia**, Tirian G.O., Vilceanu L. (2008) *The effects of the thermal fatigue upon the hot rolling mill cylinders*, Metalurgia Internațional, XIII (5), 25-33
2. **Pinca-Bretotean Camelia**, Lemle L.D., Szabo A. (2019) *Ecological Composites Materials for Brake Pads Using Shells as Filler Material*, Materiale plastice 56(3), pg. 588-591, 2019, ISSN: 0025-5289, <https://doi.org/10.37358/MP.19.3.5234>
3. **Pinca-Bretotean Camelia**, Josan A., Puțan V. (2020) *Testing of brake pads made of non asbestos organic friction composite on specialized stand*, Materials Today: Proceedings, Vol. 45(5), pg. 2214-7853, 10.1016/j.matpr.2021.12.039
4. **Pinca-Bretotean Camelia**, Josan A., Preda C. (2019) *Numerical and experimental analysis of dry contact in pad disc*, Journal of Physics: Conference Series, Vol.1426, Issue 1, International Conference on Applied Sciences 2019, Article number 012001
5. Crăciun Andrei, **Pinca-Bretotean Camelia (autor corespondent)**, Uțu Dragoș, Josan Ana (2017) *Tribological properties of nonasbestos brake pad material by using coconut fiber*, IOP Conference Series: Materials Science and Engineering/ISSN: 17578981, vol.163, pg.1-9, DOI: 10.1088/1757-899X/163/1/012038, WOS:000399755300014
6. Crăciun Andrei Lucian, **Pinca-Bretotean Camelia (autor corespondent)**, Birtok-Băneasă Corneliu, Josan Ana (2017) *Composite materials for friction and braking application*, IOP Conference Series: Materials Science and Engineering/ISSN: 17578981, Vol.200, pg.1-10, DOI: 10.1088/1757-899X/200/1/012009, WOS:000419288800009
7. **Pinca-Bretotean Camelia**, Crăciun A., Josan A., Ardelean E. (2018) *Experimental study of sintered friction material with coconut fiber for brake pads*, Materiale Plastice, 55(3), 389-392
8. **Pinca-Bretotean Camelia**, Crăciun A., Josan A., Ardelean M. (2019) *Friction and wear characteristics of organic brake pads material*, IOP Conference Series: Material Science and Engineering, Vol. 477(1) No. 012009, DOI: 10.1088/1757-899X/477/1/012009, WOS:000461184100009
9. **Pinca-Bretotean Camelia**, Bhandari R., Sharma C., Preda C., Sharma A.K., *An investigation of thermal behavior of brake disk pad assembly with Ansys*, Materials Today proceedings doi.org/10.1016/j.matpr.2021.04.296, 479(10), pg.2322-2328, 2021
10. **Pinca-Bretotean Camelia**, Josan A., Birtok-Băneasă C (2018) *Laboratory testing of brake pads made of organic materials intended for small and medium vehicles*, IOP Conference Series: Material Science and Engineering, 393(1), No. 012029
11. **Pinca-Bretotean Camelia**, Crăciun A.L., Preda C., Sharma A.K. (2021) *Physico-mechanical and tribological characteristics of composites used for brake pads*, Journal of Physics: Conference Series 012032, Vol. 178(1), pg.1-8

12. **Pinca-Bretotean Camelia**, Hepuț T., Kiss I., Tirian G.O (2004) *Reserches upon the durability of the rolling cylinders*, Journal of Mechanical Engineering, 8(3), 177-188

13. **Pinca-Bretotean Camelia** - Instalație pentru studiul rezistenței la oboseală termică, Nr.126996/30.03.2016- Brevet de invenție OSIM

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Semnătura