

## 2014 Scientific papers

1. Savu, S., Savu, D., **Ciupitu, I.** - Thermal Analysis to Evaluate Ageing Process in Heated Tool and Electrofusion Welding of Polymer Pipes, Advanced Materials Research Vol. 837 (2014), pp 190-195 (2014), TransTech Publications, Switzerland doi:10.4028/www.scientific.net/AMR.837.190.
2. **Pascu, C.I., Gingu, O.**, Lupu, N., Vida Simiti I., **Benga, G.C.**, Research about the quality of bulk titanium materials obtained by powder metallurgy technology from titanium hydride powder, The 3rd International Congress Science and Management of Automotive and Transportation Engineering SMAT 2014, Craiova, Romania, Oct. 23-25, 2014.
3. **Gingu, O.**, Harabor, A., Rotaru P., **Pascu, I., Ciupitu, I., Benga, G.C., Sima, G., Olei, A.**, Influence of two steps sintering parameters on tribological behaviour of hybrid hydroxyapatite-based biocomposites, J.Adv.Therm.Sci.Res, vol.1, no.2 (accepted for publication Dec. 2014).
4. **Gingu, O.**, Rotaru, P., Milea, A., Marin A., **Nicolicescu, C., Sima, G.**, Tanasescu S, In-situ synthesis of AgCu/Cu<sub>2</sub>O nanocomposite by mechanical alloying: the effect of the processing on the thermal behaviour, Thermochimica Acta (submitted Nov. 2014).
5. Milea, A., **Gingu, O.**, Preda, S., **Sima, G., Nicolicescu, C.**, Tanasescu, S., Thermodynamic measurements on Ag-28% Cu nanopowders processed by mechanical alloying route, J. Alloys and Compounds (submitted Nov. 2014)
6. **Olei, A.**, Ștefan I., Popescu N., The Influence of the Sintering Temperature on the Wear Testing for Some Steel Samples Obtained by Powder Metallurgy, Solid State Phenomena Vol. 216 (2014) pp.216-22, available online since 2014/Aug/18, Trans Tech Publications, Switzerland, <http://www.scientific.net/SSP.216.216>.
7. Popescu N., Vidu R., Bratu V., **Olei, A.**, Ungureanu D., Anghelina F., Effects of SiC Proportion and Artificial Aging Parameters on Microstructure and Hardness of Al-Cu/SiC Composites, Solid State Phenomena Vol. 216 (2014) pp.122-127, available online since 2014/Aug/18, Trans Tech Publications, Switzerland, <http://www.scientific.net/SSP.216.122>.
8. **Benga G.**, Savu D., **Olei, A.**, Influence of the cutting parameters on the surface roughness when machining hardened steel with ceramic and PCBN cutting tools, The 3<sup>rd</sup> International Conference “Advances in Engineering and Management” ADEM 2014, September 11<sup>th</sup> – 12<sup>th</sup> 2014, Drobeta Turnu Severin, Romania.
9. **Olei, A.**, Savu S., Ștefan I., The tribological behavior of some steel samples prepared by powder metallurgy sintered in microwave field, The 3<sup>rd</sup> International Conference “Advances in Engineering and Management” ADEM 2014, September 11<sup>th</sup> – 12<sup>th</sup> 2014, Drobeta Turnu Severin, Romania.

10. Stefan I., **Olei, A., Nicolicescu C.**, Effect of  $\text{Fe}_2\text{O}_3$  mechanical milling on the barium hexaferrite synthesis, The 3<sup>rd</sup> International Conference “Advances in Engineering and Management” ADEM 2014, September 11<sup>th</sup> – 12<sup>th</sup> 2014, Drobeta Turnu Severin, Romania.
11. **Cristina Teisanu, Oana Gingu, Gabriela Sima**, Microstructure and failure process analysis of the porous iron based materials, 3<sup>rd</sup> International Conference “Advances in Engineering & Management” ADEM 2014, 11-12 Sept. 2014, Drobeta Turnu Severin, pp. 71-73.
12. **Cristina Teisanu, Oana Gingu**, The automotive market, a major competitor for metal injection moulding components – an overview, 3<sup>rd</sup> International Congress, Science and Management of Automotive and Transportation Engineering SMAT 2014, 23-25 Oct. 2014, Craiova, Proceedings, Tome II, pp. 181-188, ISBN 978-606-14-0864-1