

Lista de lucrări publicate_cronologic:

1. Mariasiu Florin, Burnete Nicolae V., Moldovanu Dan, Varga Bogdan O., Iclodean Calin, **Kocsis Levente**, *Effects of bioethanol ultrasonic generated aerosols application on diesel engine performances*, Thermal Science 2015 Volume 19, Issue 6, Pages: 1931-1941 [doi:10.2298/TSCI140703108M](https://doi.org/10.2298/TSCI140703108M)
2. **Kocsis, L.**, Moldovanu, D., Baldean D., The Influence of Exhaust Backpressure Upon the Turbocharger's Boost Pressure, Springer International Publishing Switzerland 2016, Proceedings of the European Automotive Congress EAEC-ESFA 2015, DOI 10.1007/978-3-319-27276-4_34
3. **Kocsis, L.**, Burnete, N., Experimental Research Made During a City Cycle on the Feasibility of Electrically Charged SI Engines, Central European Journal of Engineering, Vol 4, Issue 2, pp 125-132, 2014, ISSN:1896-1541
4. **Kocsis, L.**, Póka, I., *Analiza posibilităților de îmbunătățire a parametrilor de performanță a unui MAS supraalimentat prin modificarea fazelor de distribuție*, Revista "ȘTIINȚĂ ȘI INGINERIE", Vol 26, 2014, ISSN 2067-7138
5. Moldovanu D., Burnete N., **Kocsis L.**, Băldean D.L., Evaluation of Regulated and non-regulated Pollutant Emissions at Cold Start and During Warm-up for a Compression Ignited Tractor Engine that Works with Blends, published in INMATEH Agricultural Engineering Special Issue 2013, ISSN 2068 - 4215
6. **Kocsis, L.**, Burnete, N., *Simulating transient performance of turbocharged engines*, SICOM International Conference, Cluj Napoca, 2012
7. **Kocsis, L.**, Burnete, N., *Performance increase of turbocharged SI engines using an electrical charger unit – perspectives through simulation*, Sesiunea de comunicări științifice a studenților Facultății de Mecanică, ediția VIII, Cluj Napoca, 2012
8. **Kocsis, L.**, Burnete, N., *Influences of electrically assisted charging upon functional parameters of the SI engines*, published in *Research Journal of Agricultural Science*, ISSN 2066-1843, vol 44, 2012
9. **Kocsis, L.**, Prevedel, K., Burnete, N., Moldovanu, D., *Improving transient response of SI turbocharged engines*, paper No. 20111299 held at CAR2011 International Conference, Pitești, 2011
10. Mariașiu, F., Moldovanu, D., **Kocsis, L.B.**, *CFD SIMULATION OF ULTRASONIC CONDITIONING INFLUENCES ON BIODIESEL INJECTION PROCESS*, Research Journal of Agricultural Science, 43 (1), 2011
11. **Kocsis, L.**, Burnete, N., Costea, A., *Redesigning the Combustion Chamber of a SI Engine in Order to have Optimal Combustion Process Using Alcohols*, CONAT 2010, 11th International Congress, 27-29 October 2010, Brasov, Romania, Section 1, ISSN 2069-0401
12. BARABÁS, I., TODORUȚ, A., **KOCSIS, L.**, *Comparative road performance test results of biodiesel-diesel-ethanol fuel blends*, Proceedings of the 18th International OGET

Conference Published by EMT, 22nd-25th April 2010, pp. 52, Baia Mare, Romania, ISSN 2068-1267

13. Barabás, I., Todoruț, A., **Kocsis, L.**, Ignat, A.D., *Rapid Fuel Properties Estimation Through Chemometric Modeling of NIR Spectra*, CONAT 2010, 11th International Congress, 27-29 October 2010, Brasov, Romania, Section 2, ISSN 2069-0401
14. BORZA, E., BALDEAN, D., MOLDOVANU, D., **KOCSIS, L. B.**, *CFD study of section characteristics of race car wings*, Proceedings of the International ICOME Conference, 27th-30th April 2010, pp. 52, Craiova, Romania, ISBN 978-606-510-878-3
15. Moldovanu, D., Baldean, D., **Kocsis, L.B.**, *Introduction to SimulationX software*, ICOME, International conference of mechanical engineering, 27-30 april, 2010, Craiova, Romania, ISBN-978-606-510-878-3
16. Moldovanu, D., **Kocsis, L.B.**, Baldean, D., *Studies of the influence parameters on the performance of the engine using AVL BOOST*, CONAT 2010, 11th International Congress, 27-29 October 2010, Brasov, Romania, Vol. V, Section 4, Advanced Engineering Methods, pag 179-182, ISSN 2069-0401, Transilvania University Press
17. VARGA, B., BURNETE, N., RUS, I., **KOCSIS L. B.**, *Automatic gearbox optimizing process developed in AVL Cruise*, Proceedings of the International ICOME Conference, 27th-30th April 2010, pp. 52, Craiova, Romania, ISBN 978-606-510-878-3
18. Baldean, D., Burnete, N., Moldovanu, D., Borza, E., **Kocsis, L.**, *Research through simulation of the injection and combustion process – in a common rail diesel engine operated with biofuel*, in *Acta Technica Napocensis*, Scientific bulletin of Tehnical University of Cluj-Napoca, Cluj-Napoca, Romania, Series: Machines Construction Materials, nr. 52. ISSN 1224-9106, 2009
19. **Kocsis, L.**, Barabás, I., *Posibilități de îmbunătățire a unor caracteristici ai motoarelor cu ardere internă prin folosirea unor suflante cu acționare electrică*, Sesiunea de comunicări științifice a studenților Facultății de Mecanică, ediția IV, Cluj Napoca, 2008.