

LISTA DE LUCRĂRI

Dr. Ing. Ioan-Cozmin MANOLACHE-RUSU

a. Lucrări publicate

1. Grădinariu, C.A., Mihai, I., *Manolache-Rusu, I. C.*, Suciu, C., " Dynamic performances in diesel engines supercharged by electrically driven axial compressors compared to other forced induction systems", *Ingineria Automobilului*, Nr.:63 pp:19-24, WOS:000880290800005, (2022).
2. *Manolache-Rusu, I. C.*, Romănu, I.C, Muscă, I., " The evolution of loading capacity in belt transmissions", *IOP Conference Series-Materials Science and Engineering*, Vol.: 916, Art. Nr.: 012065, DOI: 10.1088/1757-899X/916/1/012065, WOS: 000625330000065, (2020).
3. *Manolache-Rusu, I. C.*, Glovnea, M., Suciu, C., " Preliminary studies on the braking efficiency of an engine working in combined Jake brake and exhaust brake regime", *IOP Conference Series-Materials Science and Engineering*, Vol.: 591, Art. Nr.: 012056, DOI: 10.1088/1757-899X/591/1/012056, WOS:000562929900056, (2019).
4. *Manolache-Rusu, I. C.*, Mihai, I., "Study of the combustion process in a rotary engine with constant combustion chamber", *Proceedings of SPIE*, Vol.: 10977, Art. Nr.: UNSP 109772M, DOI: 10.1117/12.2323796, WOS:000458717900093, (2018).
5. Mihai, I., *Manolache-Rusu, I. C.*, "Proposed method to acquire an extended diagram for a gasoline engine", *MECHANIKA*, Vol. 19, Nr. 2, DOI: 10.5755/j01.mech.19.2.4151, WOS:000318247800014, (2013).
6. Beniuga, M., Mihai, I., *Manolache-Rusu, I. C.*, " The modification of vaporization times and the evolution analyze of diameters of fuel drops depending about gaseous ambient temperature", *Proceedings of SPIE*, Vol.: 11718, Art. Nr.: 1171813, DOI: 10.1117/12.2571160, WOS: 000641147900038, (2020).
7. Grădinariu, C.A., Mihai, I., *Manolache-Rusu, I. C.*, " Experimental evaluation of the air flow rate and boost pressure by aid of the diaphragm method for an electrically driven axial compressor", *Proceedings of SPIE*, Vol.: 11718, Art. Nr.: 1171810, DOI: 10.1117/12.2571155, WOS: 000641147900035, (2020).
8. Grădinariu, C.A., Mihai, I., *Manolache-Rusu, I. C.*, " Compression ratio influence on the performances of a diesel engine equipped with an electrically driven axial compressor", *Proceedings of SPIE*, Vol.: 11718, Art. Nr.: 1171811, DOI: 10.1117/12.2571156, WOS: 000641147900036, (2020).
9. *Manolache-Rusu, I. C.*, Suciu, C., Mihai, I., " Analysis of passive vs. semi-active quarter car suspension model", *Proceedings of SPIE*, Vol.: 11718, Art. Nr.: 117181Q, DOI: 10.1117/12.2571225, WOS: 000641147900061, (2020).

b. Teza de doctorat

Titlul tezei: *Cercetări privind frânarea de tip Jake la motoarele diesel*

Domeniul: Inginerie Mecanică

Coordonator: prof. univ. dr. ing. Ioan MIHAI, Facultatea de Inginerie Mecanică

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