A. TEZA DE ABILITARE:

2020 - *Studii şi cercetări privind sistemele de propulsie eficiente pentru creşterea performanţelor dinamice ale autovehiculelor,* susţinută public la 22.01.2020 la IOUSD Universitatea din Piteşti

B. TEZA DE DOCTORAT:

1999 - *Cercetări privind implicaţiile schimbului de căldură asupra fenomenelor termoelectrice*, conducător ştiinţific prof.dr.ing.Virgiliu Dan Negrea.

C. CĂRŢI ŞI CAPITOLE PUBLICATE ÎN EDITURI RECUNOSCUTE:

1. Nagi Mihai, Iorga Daniel, Laza Ioan, **Mihon Liviu**, Ostoia Daniel, *Schimbătoare de căldură, vol I*, ISBN (10) 973-52-0001-5, Ed.Mirton, Timişoara, 2006;
2. Laza Ioan, Lelea Dorin, **Mihon Liviu**, Nagi Mihai, Oprişa-Stănescu Paul Dan, Stoian Floriana, *Echipamente şi instalaţii termoenergetice*, ISBN 973-638-169-2, Ed.Orizonturi Universitare, Timişoara, 2006;
3. Jădăneanţ Mihai, Oprişa Paul Dan, Laza Ioan, Ionel Ioana, Stoian Floriana, Lelea Dorin, Nagi Mihai, **Mihon Liviu**, *Intocmirea şi analiza bilanţurilor termoenergetice*, ISBN 973-638-259-1, Ed.Orizonturi Universitare, Timişoara, 2006;
4. **Mihon Liviu**, Ioana Ionel, Pop Gheorghe, Negrea Virgiliu Dan, *Măsurarea mărimilor neelectrice*, (10) 973-638-258-3, Ed.Orizonturi Universitare, Timişoara, 2006;
5. Jădăneanţ Mihai, Nagi Mihai, Stoian Floriana, Ionel Ioana, Laza Ioan, Lelea Dorin, Oprişa Paul Dan, **Mihon Liviu**, 2006, *Bazele termoenergeticii*, ISBN (10) 973-638-257-2, Ed.Orizonturi Universitare, Timişoara, 2006;
6. Nagi Mihai, **Mihon Liviu**, Laza Ioan, *Schimbătoare de căldură, vol II*, (10) 973-52-0000-7, Ed.Mirton, Timişoara, 2007;
7. Burnete Nicolae, Naghiu Alexandru, Rus Ioan, Chintoanu Mircea, Mariaşiu Florin, Varga Bogdan, Ivan Ilarie, Roman Cecilia, Abraham Bela, Pitl Gabriela, Deac Teodora, Vlad Nicolae, Naghiu Livia, Ispas Nicolae, Rakosi Eduard, **Mihon Liviu**, Neag Liviu, Nicola Stelian, *Motoare Diesel şi biocombustibili pentru transportul urban*, ISBN 978-973-713-217-8, Ed.Mediamira, Cluj Napoca, 2008;
8. **Mihon Liviu**, Ionel Ioana, Pop Gheorghe, Negrea Virgiliu Dan, *Măsurarea mărimilor neelectrice*, ISBN 978-973-638-379-3, Ed.Orizonturi Universitare, Timişoara, 2008;
9. Laza Ioan, Lelea Dorin, **Mihon Liviu**, Nagi Mihai, Oprişa-Stanescu Paul Dan, Stoian Floriana, *Echipamente şi instalaţii termoenergetice*, ISBN 978-973-638-367-0, Ed.Orizonturi Universitare, Timişoara, 2008;
10. Jădăneanţ Mihai, Oprişa Paul Dan, Laza Ioan, Ionel Ioana, Stoian Floriana, Lelea Dorin, Nagi Mihai, **Mihon Liviu**, *Intocmirea şi analiza bilanţurilor termoenergetice*, ISBN 978-973-638-380-9, Ed.Orizonturi Universitare, Timişoara, 2006;
11. Raţiu Sorin, **Mihon Liviu**, *Motoare cu ardere internă pentru autovehicule rutiere: procese şi caracteristici*, ISBN 978-973-52-0314-6, Ed.Mirton, Timişoara, 2008;
12. **Mihon Liviu**, *Motor vehicle and transportation MVT2006*, ISBN (10) 973-638-284-2, Ed.Orizonturi Universitare, 2006;
13. **Mihon Liviu**, *Motor vehicle and transportation MVT2012*, ISBN 978-973-638-524-7, Ed.Orizonturi Universitare; 2013
14. **Mihon Liviu**, *Conversia şi răcirea termoelectrică*, ISBN 973-8109-15-9, Ed.Orizonturi Universitare, Timişoara, 2000;
15. Raica Traian, **Mihon Liviu**, Ferencz Andrei, Dungan Liviu, *Construcţia şi calculul motoarelor cu ardere internă, vol.5,* ISBN 973-8181-03-8, Ed.Eurobit, Timişoara, 2000.
16. Tokar Adriana, **Mihon Liviu**, Ostoia Daniel, *Dinamica Autovehiculelor. Lucrări de laborator*, ISBN 978-973-52-0712-0, Ed.Mirton, Timişoara, 2009
17. **Mihon Liviu**, *Dinamica Autovehiculelor. Îndrumar de proiectare*, ISBN 978-973-638-648-0, Ed.Orizonturi Universitare, Timişoara, 2019

D. ARTICOLE PUBLICATE, cotate ISI, cu factor de impact:

1. Iliescu Mihaiela, Spanu Paulina, Nutu Emil, **Mihon Liviu**, *Experimental and Theoretical Studies on Mechanical Characteristics of an Important Composite Material*, Materiale plastice, ISSN 0025-5289, vol. 46(1), pag.62-66, 2009, IF=1,393, WOS:000265431100012

2. Amza Gheorghe, Luchian Cornelia, Nitoi Dan Florin, Dumitrache Florea, Borda Claudia, Voda Mircea, **Mihon Liviu**, *Experimental and Theoretical Researches Regarding Ultrasonic Welding Process Optimization of the Polymeric Matrix Composite Materials*, Materiale plastice, ISSN 0025-5289, vol. 46(3), pag.327-335, 2009, **FI=1,393**, WOS:000272488600022
3. Irimescu Adrian, **Mihon Liviu**, Padure Gelu, *Automotive transmission efficiency measurement using a chassis dynamometer*, International Journal of Automotive Technology, Volume: 12, Issue: 4, ISSN 1229-9138, 2011, pag.555-559, **FI=1,523**, WOS:000292313400011;
4. Irimescu Adrian, Iorga Danila, **Mihon Liviu**, Hentiu Radu, *Emissions Model for Spark Ignition Engines Fueled with Gasoline-Bioethanol Blends*, Journal of Environment Protection and Ecology, ISSN 1311-5065, vol 13(1), pag.9-16, 2012, **FI=0,634**, WOS:000302843500002
5. Ioan Hiticaș, Daniel Marin, **Mihon Liviu**, *Modelling and operational testing of pulse-width modulation at injection time for a spark-ignition engine*, Technical Gazette, ISSN 1330-3651, vol. 20(1), pag.147-153, 2013, **FI=0,678**, WOS:000315409300021;

E. ARTICOLE PUBLICATE, cotate ISI, fără factor de impact:

1. **Mihon Liviu**, Negoițescu Arina, Tokar Adriana, Ostoia Daniel, *Tyre quality influence on fuel consumption for motor vehicles*, Annals of DAAAM & Proceedings, 25-28.11.2009, Vienna, Austria, ISSN 1726-9679, pag.751-752, 2009, WOS:000282335600376
2. **Mihon Liviu**, Ostoia Daniel, Negoițescu Arina, Tokar Adriana, *Simulation of vehicle's powertrain for performances evaluation*, Annals of DAAAM & Proceedings, 25-28.11.2009, Vienna, Austria, ISSN 1726-9679, pag.235-236, 2009, WOS:000282335600118
3. Tokar Adriana, Negoițescu Arina, **Mihon Liviu**, *Studies regarding the CO2 recovery from the atmosphere*, Annals of DAAAM & Proceedings, 25-28.11.2009, Vienna, Austria, ISSN 1726-9679, pag.349-350, 2009, WOS:000282335600175
4. Rațiu Sorin, Birtok-Baneasa Corneliu, Alic Carmen, **Mihon Liviu**, *New concepts in modeling air filters for internal combustion engines*, Annals of DAAAM & Proceedings, 25-28.11.2009, Vienna, Austria, ISSN 1726-9679, pag.171-172, 2009, WOS:000282335600086
5. Alic Carmen Inge, Miklos Imre Zsolt, Miklos Cristina Carmen, **Mihon Liviu**, *Implementation of interactive and collaborative computer assisted learning in automotive engineering education*, Annals of DAAAM & Proceedings, 25-28.11.2009, Vienna, Austria, ISSN 1726-9679, pag.255-256, 2009, WOS:000282335600128
6. Marin Daniel, Hiticaș Ioan-Dumitru, **Mihon Liviu**, *Fuzzy Logic Control Applied on SI Engine Concerning the Injection Time Evolution*, 13th IEEE International Symposium on Computational Intelligence and Informatics (CINTI), Budapest, Hungary, ISSN: 2380-8586, pag.279-284, 2012, WOS:000319991600047
7. **Mihon Nicolae Liviu**, Erdodi Geza Mihai, Lontiș Nicolae Stelian, *Diagnosis of the unit injection pump's elements*, INGINERIA AUTOMOBILULUI, ISSN 1842-4074, vol 42, pag.23-26, 2017, WOS:000409240200010
8. Lontiș Nicolae-Stelian, **Mihon Nicolae-Liviu**, Vetreș Ion, *Numerical simulation study of a hybrid road vehicle regarding fuel economy and ambient emission delivery*, INGINERIA AUTOMOBILULUI, ISSN 1842-4074, vol 43, pag.10-15, 2017, WOS:000409240700004
9. Rațiu Sorin, **Mihon Nicolae Liviu**, Armion Diana Miruna, *Study of recycling methods of used engine oil*, INGINERIA AUTOMOBILULUI, ISSN 1842-4074, vol 55, pag.20-22, 2020, WOS: 000409240XXXXXX

F. ARTICOLE ÎN REVISTE DE SPECIALITATE ȘI VOLUME ALE MANIFESTĂRILOR ȘTIINȚIFICE INDEXATE ÎN BDI:

1. **Mihon Liviu**, Nagy Robert, *Studies and reserches concerning the working of the Diesel engines with fuel-alcohol mixtures*, 20042130 CONAT paper, Brașov, 2004;
2. Negrea Virgiliu Dan, Grigore Lucian, Pădure Gelu, **Mihon Liviu**, *Diesel injection pump elements analyses with finite element method*, 20051087 CAR paper, Pitești, 2005;
3. Negrea Virgiliu Dan, Grigore Lucian, **Mihon Liviu,** Pădure Gelu, *Fuel pipe-injector assembly modellation with finite element method*, 20051088 CAR paper, Pitești, 2005;
4. **Mihon Liviu**, *Modelling Elements for the Auxiliary Systems which Works on Road Vehicle*, Scientific Bulletin of the "Politehnica" University of Timisoara, Transaction on Mathematics and Physics ISSN 1224-6069, pag.85-92, Timișoara, 2006;

5. Iorga Dănilă, Vrabie Ion, Pădure Gelu, **Mihon Liviu**, *Influence on the direct injection diesel engine performances of the spraying characteristics by modifying the injection pressure*, 20061015k MVT paper, Timişoara, 2006;
6. Iorga Dănilă, Vrabie Ion, Pădure Gelu, **Mihon Liviu**, *The influence of spraying characteristics by modification of injection nozzle holes number on direct injection Diesel engine performances*, 20061021k MVT paper, Timişoara, 2006;
7. Mihon Doina, Pap Petru, **Mihon Liviu**, *Advanced public transport systems for reducing environmental pollution*, 20061041k MVT paper, Timişoara, 2006;
8. **Mihon Liviu**, Ostoia Daniel, *Studies concerning the dynamics of the vehicle equipped with ABS*, 20062009k MVT paper, Timişoara, 2006;
9. **Mihon Liviu**, *Modelling elements for the braking system with ABS*, 2007153181-188 AMMA paper, Cluj-Napoca, 2007;
10. Irimescu Adrian, Iorga Dănilă, **Mihon Liviu**, *Study of the intake air properties influence on the fuel injected mixture formation in a spark ignition engine using the i-x air-gasoline diagram*, 2007217-293-300 AMMA paper, Cluj-Napoca, 2007
11. Mihon Doina, **Mihon Liviu**, Jădăneanț Mihai, *Necessity for a sustainable transport system*, 2007616443-448 AMMA paper, Cluj-Napoca, 2007;
12. **Mihon Liviu**, Ostoia Daniel, *The dynamic behavior of road vehicle*, SMAT2008/v24 paper, Craiova, 2008;
13. Mihon Doina, **Mihon Liviu**, *Emission's control for vehicles*, SMAT2008/R12 paper, Craiova, 2008;
14. Iorga Dănilă, Vrabie Ion, Hinkel Werner, **Mihon Liviu**, Irimescu Adrian, *Experimental results concerning pollution decreasing for a high power direct injection Diesel engine*, SMAT2008/E09 paper, Craiova 2008;
15. Lelea Dorin, Cioabla Adrian, Laza Ioan, **Mihon Liviu**, *The Nu number behavior on micro-tube heat transfer and fluid flow of dielectric fluid*, The Open Thermodynamics Journal, ISSN 1874-396X, pag 38-41, 2009;
16. **Mihon Liviu**, Ostoia Daniel, Alic Carmen, Rațiu Sorin, *Laboratory measurements of light duty vehicle pollution and fuel consumption*, Annals of Faculty Engineering Hunedoara - Journal of Engineering, ISSN 1584-2665, tom VII, fascicula 3, pag.303-308, 2009;
17. Rațiu Sorin, Birtok-Baneasa Corneliu, **Mihon Liviu**, *Measuring the pression field in an inverted air filter*, Annals of Faculty Engineering Hunedoara - Journal of Engineering, ISSN 1584-2665, tom VII, fascicula 3, pag.279-285, 2009;
18. Lelea Dorin, Cioabla Adrian, Laza Ioan, **Mihon Liviu**, *The micro-heat sink with the double-layer single path channels*, Scientific Bulletin of the Politehnica University of Timişoara, Transaction on Mechanics, ISSN 1224-6077, 2009;
19. Lelea Dorin, Cioabla Adrian Eugen, **Mihon Liviu**, *The micro-tube heat transfer and fluid flow of methanol*, Annals of DAAAM & Proceedings, pag.701-702, 2010;
20. **Mihon Liviu**, Tokar Adriana, Rațiu Sorin, Brebu Lucian, *The modeling of a motor vehicle behaviour using specialized softwares*, CONAT 20104023 paper, Braşov, 2010;
21. **Mihon Liviu**, Iorga Dănilă, Swoboda Walter, Hiticaş Ioan, Hentiu Radu, *Improving performance of a Diesel-gas engine*, CONAT 20102021 paper, Braşov, 2010;
22. **Mihon Liviu**, Tokar Adriana, *Mathematical models for analyzing the propulsion equipment of the motor vehicles*, Proceedings of the 12th Symposium of Mathematics and Its Applications, UPT, pag. 431-437, Timişoara, 2010;
23. Henţiu Radu, Iorga Dănilă, Hiticaş Ioan, **Mihon Liviu**, *Engine performance increase by intake manifold resonance supercharging effect*, CONFERENG 2010, Targu Jiu, Analele Universităţii "Constantin Brâncuşi" Târgu Jiu, Engineering, ISSN 1842 – 4856, Nr.3, pp. 99 -106, 2010;
24. **Mihon Liviu**, Negoiţescu Arina, Tokar Adriana, Ostoia Daniel, *Motor and vehicle optimization process modeling by using the AVL Cruise in standard applications*, Annals of Faculty Engineering Hunedoara - Journal of Engineering, ISSN 1584-2665, tom IX, fascicula 4, pag. 83-86, 2011;
25. Lelea Dorin, Laza Ioan, **Mihon Liviu**, *Microchannel cooling systems using dielectric fluids*, Strojarstvo, ISSN 0562-1887, vol.53, nr.5, pag.367-372, Zagreb, Croaţia, 2011;
26. Hiticaş Ioan, Iorga Danila, **Mihon Liviu**, Henţiu Radu, *Experimental Researches On Energy Performance Of A Spark Ignition Engine With Gasoline Injection, In Conditions Of Changing Fuel's Characteristics*, CAR 2011-1204 paper, Piteşti, 2011;
27. Iorga Dănilă, Henţiu Radu, **Mihon Liviu**, Hiticaş Ioan, Cărăbaş Daniel, Swoboda Walter, *Experimental research on the effect of changing the permeability of the filter on the performance of a fuel injection engine*, NACOT – National Conference of Thermodynamics with International Participation, Termotehnica, ISSN-L 1222-4057, ISSN 2247-1871, Editura AGIR, Nr. 1S/2011, Anul XV, pag. 24, Craiova, 2011;
28. Hiticaş Ioan, Iorga Dănilă, **Mihon Liviu**, Uricanu Narcis, Piciorea George, *The influence of the intake manifold system*

concerning the performances of the internal combustion engine, Fiability & Durability Journal Supplement, ISSN 1844-640X, "Constantin Brâncuşi" University, Târgu Jiu, pag.29-35, 2012;

29. Hiticaş Ioan, Iorga Dănilă, **Mihon Liviu**, Resiga Emanuel, Uricanu Narcis, *Studies and experimental research concerning the performances of the internal combustion engine, controlled over the powertrain control module*, Fiability & Durability Journal Supplement, ISSN 1844-640X, "Constantin Brâncuşi" University, Târgu Jiu, pag.23-28, 2012;
30. Hiticaş Ioan, Marin Daniel, **Mihon Liviu**, Resiga Emanuel, Iorga Dănilă, *Parameters control of a spark ignition engine through programmable ECU for specific regimes,* 7th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI), ISBN 978-1-4673-1014-7, pag. 399-404, Timişoara, 2012;
31. Ostoia Daniel, **Mihon Liviu**, Negoiţescu Arina, Tokar Adriana, *Aspects regarding constructive modification to engines fulfill the Euro 5 and Euro 6 demands to passenger car,* MVT_2012103 paper, Timişoara, 2012;
32. Swoboda Walter, Iorga Danila, **Mihon Liviu**, Hiticaş Ioan, *Methane number*, MVT_20121021 paper, Timişoara, 2012;
33. **Mihon Liviu**, Negoiţescu Arina, Tokar Adriana, Ostoia Daniel, *Dynamical behaviour of a powertrain*, MVT_20121018 paper, Timişoara, 2012;
34. Hiticaş Ioan, **Mihon Liviu**, Resiga Emanuel, Swoboda Walter, *Gas emission of a si engine with programmable ECU*, MVT_20121005 paper, Timişoara, 2012;
35. Hiticaş Ioan, **Mihon Liviu**, Iorga Dănilă, Swoboda Walter, *Emission level from internal combustion engine using fosil and alternative fuels*, ACME 2012, Buletinul Institutului Politehnic Iaşi, Tomul LVIII (LXII), Fasc. 4, ISSN 1011-2855, Iaşi, 2012;
36. Hiticaş Ioan, **Mihon Liviu**, Resiga Emanuel, Swoboda Walter, *Gas emission of a spark ignition engine with programmable ECU*, Acta Technica Corviniensis - Bulletin of Engineering, ISSN 2067-3809, tom VI, fascicula 3, pag 69-72, Hunedoara, 2013;
37. Ostoia Daniel, **Mihon Liviu**, Negoiţescu Arina, Tokar Adriana, *Aspects regarding constructive modification to engines fulfill the Euro 5 and Euro 6 demands to passenger car,* Acta Technica Corviniensis - Bulletin of Engineering, ISSN 2067-3809, tom VI, fascicula 3, pag. 131-134, Hunedoara, 2013;
38. **Mihon Liviu**, Negoiţescu Arina, Tokar Adriana, Ostoia Daniel, *Dynamical behaviour of a powertrain*, Annals of Faculty Engineering Hunedoara – International Journal of Engineering, ISSN 1584-2665, tom XI, fascicula 2, pag.101-104, Hunedoara, 2013;
39. **Mihon Liviu**, *Advanced modeling and diagnosis of a powertrain through specific parameters*, The 13th International Conference on Mathematics and its Applications, ISSN 1224-6069, pag. 255-263, Timişoara, 2013;
40. Lontiş Nicolae Stelian, **Mihon Nicolae Liviu**, Vetreş Ion, *Numerical simulation study of a hybrid road vehicle regarding fuel economy and ambient emission delivery,* CONAT 20161019 paper, Braşov, 2016;
41. **Mihon Nicolae Liviu**, Erdodi Geza Mihai, Lontiş Nicolae Stelian, *Diagnosis of the unit injection pump's elements*, CONAT 20161007 paper, Braşov, 2016;
42. **Mihon Liviu**, Negoiţescu Arina, Tokar Adriana, Ostoia, Daniel, *Modeling and diagnosis of a powertrain through specific parameters*, Applied Mechanics & Materials, ISSN 1662-7482, pag.252-258, Craiova, 2016;
43. Gönczi Attila Iuliu; Cipleu Adrian, **Mihon Liviu**, *Reconstruction of an Unusual Road Traffic Accident Using Two Different Versions of a Simulation Program*, Applied Mechanics & Materials, ISSN 1662-7482, pag.503-511, Craiova, 2016;
44. **Mihon Nicolae Liviu**, Lontiş Nicolae Stelian, Deac Sorin, *The behaviour of a vehicle's suspension on a dynamic testing conditions* , International Conference on Applied Sciences ICAS 2017, IOP Conf.Series: Materials Science and Engineering paper, 294 (2018), Hunedoara, 2017;
45. **Mihon Nicolae Liviu**, Lontiş Nicolae Stelian, *Modeling and analysis of a vehicle suspension*, AMMA 2018 paper, ISBN 978-3-319-944008-1, Cluj Napoca, 2018;
46. **Mihon Liviu**, *Advanced mathematical analysis on a vehicle suspension*, The 15th International Conference on Mathematics and its Applications, ISSN 1224-6069, pag. 114-122, Timişoara, 2019.

G.ARTICOLE ÎN REVISTE DE SPECIALITATE ŞI VOLUME ALE MANIFESTĂRILOR ŞTIINŢIFICE NEINDEXATE:

1. **Mihon Liviu**, Negrea Virgiliu Dan, Mihon Doina, *Diagnosticarea corectă a motoarelor cu ardere internă în vederea reducerii emisiilor poluante,* Simpozionul "Omul şi Mediul" Timişoara, ISBN 973-8274-31-4, pag.124-129, 2001;
2. **Mihon Liviu**, Mihon Doina, *Lubrifianţi moderni pentru reducerea poluării mediului înconjurător,* Simpozionul "Omul şi Mediul" Timişoara, ISBN 973-8274-31-4, pag.130-135, 2001;

3. **Mihon Liviu**, Chedli Mekki, Mihon Doina, *Diagnosticarea motoarelor cu ardere internă în vederea reducerii emisiilor de noxe,* Prima Conferinţă cu participare internaţională, SMAT Craiova, vol.III, pag.215-220, ISBN 973-8043-25-6, 2001;
4. **Mihon Liviu**, Mihon Doina, *Prognoze şi măsuri de limitare a poluării mediului în transporturile rutiere,* Conferinţa Naţională cu participare internaţională AMMA Cluj-Napoca, 2002;
5. **Mihon Liviu**, Gal Stelian, *Studii şi cercetări privind construcţia unui vehicul ultrauşor propulsat de un motor ecologic,* Conferinţa Naţională cu participare internaţională AMMA Cluj-Napoca, 2002;
6. **Mihon Liviu,** Pap Petru, Mihon Doina, *Improved methods for vehicle exhaust emission tests,* ESFA 2003 - The7th International Conference Fuel Economy, Safety and Reliability of Motor Vehicles, Bucureşti, 8-9 mai 2003;
7. **Mihon Liviu,** *Fuel cells technology for significant reductions in both energy use and emissions for transportation and stationary power applications,* Zilele Academice Timişene, ed. a VIII-a, Simpozion "Omul şi mediul", ISBN 973-585-999-8, 22 mai 2003;
8. **Mihon Liviu**, *Fuel cells – the future for environment protection?,* Al XIII-lea Simpozion Naţional cu participare internaţională Termotehnica 2003, ISSN 1453-7394, 30 - 31 mai 2003;
9. **Mihon Liviu**, *Sisteme de răcire termoelectrică*, A XIV-a Conferinţă Naţională de Termotehnică, Paper C-11, Bucureşti, 2004;
10. **Mihon Liviu,** *Reducerea poluării motoarelor Diesel prin utilizarea bioetanolului,* Symposium "Man and the Environment", 3rd edition, ISBN 973-625-176-4, pag.38-46, Timişoara, 2004;
11. **Mihon Liviu**, *Using biofuels in Diesel engines,* The XVth National Conference of Thermodynamics with International participation, ISBN 973-742-089-6, Craiova, 2005;
12. **Mihon Liviu**, Mihon Doina, Jădăneanţ Mihai, Valea Emilian, *Reducing CO_2 emissions for new vehicles,* The XVth National Conference of Thermodynamics with International participation, ISBN 973-742-089-6, Craiova, 2005;
13. **Mihon Liviu**, *Critical study concerning fuel cell applications in automotive technology*, Scientific Reunion of the Alexander von Humboldt Foundation concerning the reconstruction of the eastern Europe, ISBN 973-625-205-1, Timişoara, 2006;
14. Mihon Doina, Pap Petru, **Mihon Liviu**, *The analyse and modelation of the man-vehicle reliability in the transportation net*, 36th International Scientific Symposium of METRA, ISBN 973-0-03923-2, Bucureşti, 2006;
15. Pap Petru, Mihon Doina, **Mihon Liviu**, *Frame methodology for conception and realisation of flow microsimulation model in communication nets*, 36th International Scientific Symposium of METRA, ISBN 973-0-03923-2, Bucureşti, 2006;
16. **Mihon Liviu**, Mihon Doina, Raţiu Sorin, *Monitoring the greenhouse effect gases in the region 5 west,* A VII-a Conferinta nationala cu participare internationala "Profesorul Dorin Pavel-fondatorul hidroenergeticii romanesti", ISBN 978-973-720-123-2, Sebeş, 2007;
17. Iorga Daniel, Irimescu Adrian, **Mihon Liviu**, Vrabie Ioan, *L'utilisation d'une méthode numérique de calcul basée sur les équations du diagramme i-x air-combustible, pour la détermination des paramètres du mélange carburant d'un moteur à injection de l'essence à l'extérieur de cylinder,* COFRET '08, ISBN 2-6905267-61-5, Nantes, France, 2008;
18. **Mihon Liviu**, Mihon Doina, *Exhaust gases tests on dynos*, The 6th edition of the International Conference on naval and mechanical engineering, TEHNONAV 2008, ISBN 978-973-614-448-6, Constanţa, 2008;
19. **Mihon Liviu**, Mihon Doina, *An overview of alternative fuels used in transportation*, ESFA 2009 paper, ISBN 2067-1083, Bucureşti, 2009;
20. Tokar Adriana, Negoiţescu Arina, **Mihon Liviu**, *Simulation of a motor vehicle operating conditions with classical and LPG fuel,* ESFA 2009 paper, ISBN 2067-1083, Bucureşti, 2009;
21. Tokar Adriana, Negoiţescu Arina, **Mihon Liviu**, *Biodiesel used for a clean environment*, International Congress Motor Vehicles & Motors 2010, ISBN 978-86-86663-57-3, pag.251-257, Kragujevac, Serbia, 2010
22. Negoiţescu Arina, Tokar Adriana, **Mihon Liviu**, *The impact on greenhouse gases emissions of the production of electric energy used by electric vehicles*, International Automotive Conference Science and Motor Vehicles JUMV 2011, ISBN 978-86-80941-34-9, Belgrad, Serbia, 2010;
23. Hiticaş Ioan, Marin Daniel, **Mihon Liviu**, *Increasing of the internal combustion engines performances through the intake manifold system,* International Conference on Innovative Technologies, IN-TECH 2012, Rijeka, Croaţia, pp. 239 – 243, 2012;
24. Hiticaş Ioan, Marin Daniel, **Mihon Liviu**, *Experimental research concerning the pollution of an internal combustion engine with injection of gasoline, in conditions of changing the fuel,* International Conference on Innovative Technologies, IN-TECH 2012, Rijeka, Croaţia, pag. 199 – 203, 2012;

H. PROIECTE DE CERCETARE-DEZVOLTARE-INOVARE

• Contracte câştigate prin competiţie internaţională în calitate de director:

1. New functionalized medical devices for surgical interventions in the pelvic cavity (MedIn), COFUND-MANUNET III-MedIn-2, contract UEFISCDI 34/2018, 2018-2019
2. 3D bio-Printing for Insulin producing Vascularized Organs following Tumour resection (3DPIVOT), EUROSTARS-2017-EI 12021-3D PIVOT, contract UEFISCDI 65/2018, 2018-2022

• Contracte câştigate prin competiţie naţională în calitate de director:

1. Studii şi cercetări privind construcţia unui vehicul ultrauşor propulsat de un motor ecologic de mică putere, grant ANSTI, 2000-2001
2. Posibilităţile şi limitele ecologizării transportului urban prin utilizarea combustibililor proveniţi din uleiuri vegetale, CEEX, Grant X1C01, 2006-2009
3. Modelarea termogazodinamică a motoarelor cu ardere internă în vederea funcţionării cu combustibili neconvenţionali, PN II Idei, Grant 1003, 2009-2010

• Membru în contracte de cercetare ştiinţifică:

1. Studii şi cercetări privind energoecologia maşinilor şi echipamentelor termice şi a vehiculelor de transport, Grant CNCSIS A27-229, 2001-2002;
2. Cercetări privind optimizarea constructiv-funcţională şi ecologizarea maşinilor, echipamentelor termice şi a vehiculelor de transport, Grant CNCSIS 548, 2003;
3. Cercetarea fundamentală a fenomenelor termice şi fluidodinamice din micro-dispozitive de răcire, PN II Idei, Grant 938, 2009-2011;
4. Orientarea programelor de studii pe realitatea economică regională, validarea acestora de către actorii economici şi dinamizarea relaţiei în tripleta universitate-student-companii, pentru un învăţământ superior tehnic performant – OVDIP, POSDRU/156/1.2/G/136302, 2015-2016
5. Sisteme performante de acţionare a vehiculelor hibride şi electrice cu o maşină sincronă axială cu două rotoare, un stator şi un singur invertor – PN III/Cooperare Europeană şi Internaţională/Proiect bilateral Ro-Md, Contract 17 BM/2016

Declar pe propria răspundere că datele prezentate se referă la propriile activităţi şi realizări.

Timişoara
01.09.2026

MIHON Nicolae Liviu

Fişa de verificare a îndeplinirii condiţiilor minimale necesare şi obligatorii

STANDARDE MINIMALE NECESARE ŞI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂŢĂMÂNTUL SUPERIOR ŞI A GRADELOR PROFESIONALE DE CERCETARE – DEZVOLTARE (Anexa 13 din Ordin MEC nr.6129/2016)

COMISIA *INGINERIE AEROSPAŢIALĂ, AUTOVEHICULE ŞI TRANSPORTURI*

SINTEZĂ

Criteriul A1		**Punctaj**
1.1	Cărţi şi capitole în cărţi de specialitate	**150,28**
1.2	Material didactic/lucrări didactice	**27,02**
1.3	Coordonare de programe de studii, organizare şi coordonare programe de formare continuă	**290**
1.4	Conducere proiecte de diplomă, disertaţie	**50**
1.5	Introducere de noi discipline	**30**
1.6	Director/responsabil programe parteneriat academic internaţional/Erasmus	**20**
	TOTAL (Criteriul 1)	**567,30**
Criteriul A2		**Punctaj**
2.1	Articole în extenso în reviste cotate ISI, proceeedings indexate ISI Thomson Reuters sau SAE	**128,13**
2.3	Articole publicate în reviste naţionale şi volumele unor manifestări ştiinţifice naţionale şi internaţionale indexate în BDI, recunoscute de comisia CNATDCU	**336,03**
2.4	Articole publicate în reviste naţionale şi volumele unor manifestări ştiinţifice naţionale şi internaţionale, neindexate	**63,37**
2.5	Granturi/proiecte câştigate prin competiţie	**160,00**
	TOTAL (Criteriul 2)	**687,53**
Criteriul A3		**Punctaj**
3.1	Citări în reviste ISI şi BDI	**206,40**
3.4	Membru în colectivele de redacţie sau comitetele ştiinţifice ale revistelor sau manifestărilor ştiinţifice. Organizator de manifestări ştiinţifice/Recenzor	**178**
3.5	Experienţă de management, analiză şi evaluare în cercetare şi/sau învăţământ	**20**
3.6	Referent în comisii de doctorat. Membru în echipe de îndrumare doctorat	**35**
3.8	Membru în academii, organizaţii, asociaţii profesionale de prestigiu, naţionale şi internaţionale, apartenenţă la organizaţii din domeniul educaţiei şi cercetării	**15**
	TOTAL (Criteriul 3)	**454,40**
TOTAL (Criteriul 1 + Criteriul 2 + Criteriul 3)		**1709,23**

RAPORTARE LA STANDARDUL MINIMAL CNATDCU :

Numele şi prenumele	Domeniul postului	Punctaj	Calitatea resursei umane					Impactul activităţii ştiinţifice			
			A1	A2	A3	Total	R[1)]	H_{WOS}	H_{Scopus}	$H_{GoogleSch.}$	R[2)]
Mihon Nicolae Liviu	Ingineria Autovehiculelor	candidat	567,30	687,53	454,40	**1709,23**	3,56	3	4	7	**4,1**
		CNATCDU (minim)	180	200	100	**480**					

1) Reprezintă raportul Total/punctaj_minim_CNATDCU în care **punctaj_minim_CNATDCU** este punctajul minim stabilit de CNATDCU pentru funcţia didactică profesor, pentru domeniul din care face parte postul (conform OMECTS 6129/2016, minim 480 puncte pentru profesor).

2) Reprezintă suma 0,5·HWOS + 0,3·HScopus + 0,2·HGoogle Sch., unde **HWOS, HScopus, HGoogle Sch.** sunt indicii Hirsch din bazele de date Clarivate Analytics (Web of Science), Scopus şi Google Scholar.

Fişa în detaliu este prezentată în paginile 2-11.

01.09.2026

profesor dr.ing.habil. **Mihon Nicolae Liviu**

Criteriul A1 – Activitate didactică şi profesională

1.1	Cărţi şi capitole în cărţi de specialitate		
	1.1.1 Cărţi şi capitole de specialitate ca autor, în edituri naţionale		Nr.pag/(5*Nr. autori)
	1	Nagi Mihai, Iorga Daniel, Laza Ioan, **Mihon Liviu**, Ostoia Daniel, *Schimbătoare de căldură, vol I*, ISBN (10) 973-52-0001-5, Ed.Mirton, Timişoara, 2006	308/(5*5)=12,32
	2	Laza Ioan, Lelea Dorin, **Mihon Liviu**, Nagi Mihai, Oprişa-Stănescu Paul Dan, Stoian Floriana, *Echipamente şi instalaţii termoenergetice*, ISBN 973-638-169-2, Ed.Orizonturi Universitare, Timişoara, 2006	132/(5*6)=4,4
	3	Jădăneanţ Mihai, Oprişa Paul Dan, Laza Ioan, Ionel Ioana, Stoian Floriana, Lelea Dorin, Nagi Mihai, **Mihon Liviu**, *Intocmirea şi analiza bilanţurilor termoenergetice*, ISBN 973-638-259-1, Ed.Orizonturi Universitare, Timişoara, 2006	208/(5*8)=5,2
	4	**Mihon Liviu**, Ioana Ionel, Pop Gheorghe, Negrea Virgiliu Dan, *Măsurarea mărimilor neelectrice*, (10) 973-638-258-3, Ed.Orizonturi Universitare, Timişoara, 2006	210/(5*4)=10,5
	5	Jădăneanţ Mihai, Nagi Mihai, Stoian Floriana, Ionel Ioana, Laza Ioan, Lelea Dorin, Oprişa Paul Dan, **Mihon Liviu**, 2006, *Bazele termoenergeticii*, ISBN (10) 973-638-257-2, Ed.Orizonturi Universitare, Timişoara, 2006	294/(5*8)=7,35
	6	Nagi Mihai, **Mihon Liviu**, Laza Ioan, *Schimbătoare de căldură, vol II*, ISBN Expertiza (10) 973-52-0000-7, Ed.Mirton, Timişoara, 2007	290/(5*3)=19,33
	7	Burnete Nicolae, Naghiu Alexandru, Rus Ioan, Chintoanu Mircea, Mariaşiu Florin, Varga Bogdan, Ivan Ilarie, Roman Cecilia, Abraham Bela, Pitl Gabriela, Deac Teodora, Vlad Nicolae, Naghiu Livia, Ispas Nicolae, Rakosi Eduard, **Mihon Liviu**, Neag Liviu, Nicola Stelian, *Motoare Diesel şi biocombustibili pentru transportul urban*, ISBN 978-973-713-217-8, Ed.Mediamira, Cluj Napoca, 2008	1054/(5*18)=11,71
	8	**Mihon Liviu**, Ionel Ioana, Pop Gheorghe, Negrea Virgiliu Dan, Masurarea marimilor neelectrice, ISBN 978-973-638-379-3, *Măsurarea mărimilor neelectrice*, Ed.Orizonturi Universitare, Timişoara, 2008	210/(5*4)=10,5
	9	Laza Ioan, Lelea Dorin, **Mihon Liviu**, Nagi Mihai, Oprişa-Stanescu Paul Dan, Stoian Floriana, *Echipamente şi instalaţii termoenergetice*, ISBN 978-973-638-367-0, Ed.Orizonturi Universitare, Timişoara, 2008	132/(5*6)=4,4
	10	Jădăneanţ Mihai, Oprişa Paul Dan, Laza Ioan, Ionel Ioana, Stoian Floriana, Lelea Dorin, Nagi Mihai, **Mihon Liviu**, *Intocmirea şi analiza bilanţurilor termoenergetice*, ISBN 978-973-638-380-9, Ed.Orizonturi Universitare, Timişoara, 2006	208/(5*8)=5,2
	11	Raţiu Sorin, **Mihon Liviu**, *Motoare cu ardere internă pentru autovehicule rutiere: procese şi caracteristici*, ISBN 978-973-52-0314-6, Ed.Mirton, Timişoara, 2008	228/(5*10)=22,8
	1.1.2 Cărţi şi capitole, ca editor, publicate în ţară (la nivel naţional)		Nr.pag/(7*Nr. autori)
	1	**Mihon Liviu**, *Motor vehicle and transportation MVT2006*, ISBN (10) 973-638-284-2, Ed.Orizonturi Universitare, 2006	148/7=21,14
	2	**Mihon Liviu**, *Motor vehicle and transportation MVT2012*, ISBN 978-973-638-524-7, Ed.Orizonturi Universitare, 2013	108/7=15,43
	TOTAL (Criteriul 1.1)		**150,28**

1.2	Material didactic/lucrări didactice		
	Manuale didactice/monografii		Nr.pag/(10*Nr. autori)
	1	**Mihon Liviu**, *Conversia şi răcirea termoelectrică*, ISBN 973-8109-15-9, Ed.Orizonturi Universitare, Timişoara, 2000	185/10 = 18,5
	2	Raica Traian, **Mihon Liviu**, Ferencz Andrei, Dungan Liviu, *Construcţia şi calculul motoarelor cu ardere internă, vol.5*, ISBN 973-8181-03-8, Ed.Eurobit, Timişoara, 2000	108/(10*4) = 2,7
	Indrumătoare de laborator/aplicaţii		Nr.pag/(20*Nr. Autori)
	1	Tokar Adriana, **Mihon Liviu**, Ostoia Daniel, *Dinamica Autovehiculelor. Lucrări de laborator*, ISBN 978-973-52-0712-0, Ed.Mirton, Timişoara, 2009	109/(20*3) = 1,82
	2	**Mihon Liviu**, *Dinamica Autovehiculelor. Îndrumar de proiectare*, ISBN 978-973-638-648-0, Ed.Orizonturi Universitare, Timişoara, 2019	160/(20*2) = 4
	TOTAL (Criteriul 1.2)		**27,02**

1.3	Coordonare de programe de studii, organizare și coordonare programe de formare continuă	
	Director/responsabil	10*nr.ani desfășurare
	1 Autovehicule Rutiere – ciclu Licență	10*15 = 150
	2 Ingineria Sistemelor de Propulsie pentru Autovehicule (ISPA) – ciclu Master	10*12 = 120
	3 Construcția și Exploatarea Autovehiculelor (CEAR) – ciclu Master	10*2 = 20
	TOTAL (Criteriul 1.3)	**290**

1.4	Conducere proiecte de diplomă (1 punct), disertații (1,5 puncte)	Max. 50 puncte în total
	1 Proiecte de diplomă la AR	75*1 = 75
	2 Disertații de absolvire la ISPA	30*1.5 = 45
	3 Disertații de absolvire la CEAR	2*1.5 = 3
	4 Tutoriat studenți străini în stagii de cercetare/laborator (începând din 2005)	18*1 = 18
	TOTAL (Criteriul 1.4)	**50**

1.5	Introducere de noi discipline (10 puncte/disciplină)	Max. 45 puncte în total
	1 Sisteme de comandă și control pentru autovehicule, IV AR	10
	2 Sisteme și tehnologii moderne de propulsie pentru autovehicule, I ISPA	10
	3 Proiectarea autovehiculelor prin modelare și simulare, I ISPA	10
	TOTAL (Criteriul 1.5)	**30**

1.6	Director/responsabil programe parteneriat academic internațional/Erasmus	20 puncte per activitate
	1 Acord cooperare UPT – IUT de Béthune (Université d'Artois – Franța)	20
	TOTAL (Criteriul 1.6)	**20**

SINTEZĂ Criteriul A1		Punctaj
1.1	Cărți și capitole în cărți de specialitate	**150,28**
1.2	Material didactic	**27,02**
1.3	Coordonare de programe de studii, organizare și coordonare programe de formare	**290**
1.4	Conducere proiecte de diploma, disertatie	**50**
1.5	Introducere de noi discipline	**30**
1.6	Director/responsabil programe parteneriat academic internațional/Erasmus	**20**
TOTAL (Criteriul 1)		**567,30**
Punctaj minim CNATCDU		**180,00**

Criteriul A2 – Activitatea de cercetare științifică

2.1	Articole în extenso în reviste cotate ISI, proceeedings indexate ISI Thomson Reuters sau SAE		
	Articole in extenso în reviste cotate ISI, proceedings indexate ISI Thomson Reuters sau SAE		(25+20*factor impact)/ nr.
	1	Iliescu Mihaiela, Spanu Paulina, Nutu Emil, **Mihon Liviu**, *Experimental and Theoretical Studies on Mechanical Characteristics of an Important Composite Material*, Materiale plastice, ISSN 0025-5289, vol. 46(1), pag.62-66, 2009, **FI=1,393**, WOS:000265431100012	(25+20*1,393)/ 4 = 13,21
	2	Amza Gheorghe, Luchian Cornelia, Nitoi Dan Florin, Dumitrache Florea, Borda Claudia, Voda Mircea, **Mihon Liviu**, *Experimental and Theoretical Researches Regarding Ultrasonic Welding Process Optimization of the Polymeric Matrix Composite Materials*, Materiale plastice, ISSN 0025-5289, vol. 46(3), pag.327-335, 2009, **FI=1,393**, WOS:000272488600022	(25+20*1,393)/ 7 = 7,55
	3	Irimescu Adrian, **Mihon Liviu**, Padure Gelu, *Automotive transmission efficiency measurement using a chassis dynamometer*, International Journal of Automotive Technology, Volume: 12, Issue: 4, ISSN 1229-9138, pag.555-559, 2011, **FI=1,523**, WOS:000292313400011	(25+20*1.523)/ 3 = 18,49
	4	Irimescu Adrian, Iorga Danila, **Mihon Liviu**, Henţiu Radu, *Emissions Model for Spark Ignition Engines Fueled with Gasoline-Bioethanol Blends*, Journal of Environment Protection and Ecology, ISSN 1311-5065, vol 13(1), pag.9-16, 2012, **FI=0,634**, WOS:000302843500002	(25+20*0,634)/ 4 = 9,42
	5	Ioan Hiticaş, Daniel Marin, **Mihon Liviu**, *Modelling and operational testing of pulse-width modulation at injection time for a spark-ignition engine*, Technical Gazette, ISSN 1330-3651, vol. 20(1), pag.147-153, 2013, **FI=0,678**, WOS:000315409300021	(25+20*0,678)/ 3 = 12,85
	6	**Mihon Liviu**, Negoiţescu Arina, Tokar Adriana, Ostoia Daniel, *Tyre quality influence on fuel consumption for motor vehicles*, Annals of DAAAM & Proceedings, 25-28.11.2009, Vienna, Austria, ISSN 1726-9679, pag.751-752, 2009, WOS:000282335600376	(25+20*0)/4 = 6,25
	7	**Mihon Liviu**, Ostoia Daniel, Negoiţescu Arina, Tokar Adriana, *Simulation of vehicle's powertrain for performances evaluation*, Annals of DAAAM & Proceedings, 25-28.11.2009, Vienna, Austria, ISSN 1726-9679, pag.235-236, 2009, WOS:000282335600118	(25+20*0)/4 = 6,25
	8	Tokar Adriana, Negoiţescu Arina, **Mihon Liviu**, *Studies regarding the CO2 recovery from the atmosphere*, Annals of DAAAM & Proceedings, 25-28.11.2009, Vienna, Austria, ISSN 1726-9679, pag.349-350, 2009, WOS:000282335600175	(25+20*0)/3 = 8,33
	9	Raţiu Sorin, Birtok-Baneasa Corneliu, Alic Carmen, **Mihon Liviu**, *New concepts in modeling air filters for internal combustion engines*, Annals of DAAAM & Proceedings, 25-28.11.2009, Vienna, Austria, ISSN 1726-9679, pag.171-172, 2009, WOS:000282335600086	(25+20*0)/4 = 6,25
	10	Alic Carmen Inge, Miklos Imre Zsolt, Miklos Cristina Carmen, **Mihon Liviu**, *Implementation of interactive and collaborative computer assisted learning in automotive engineering education*, Annals of DAAAM & Proceedings, 25-28.11.2009, Vienna, Austria, ISSN 1726-9679, pag.255-256, 2009, WOS:000282335600128	(25+20*0)/4 = 6,25
	11	Marin Daniel, Hiticaş Ioan-Dumitru, **Mihon Liviu**, *Fuzzy Logic Control Applied on SI Engine Concerning the Injection Time Evolution*, 13th IEEE International Symposium on Computational Intelligence and Informatics (CINTI), Budapest, Hungary, ISSN: 2380-8586, pag.279-284, 2012, WOS:000319991600047	(25+20*0)/3 = 8,33
	12	**Mihon, Nicolae Liviu**, Erdodi, Geza Mihai, Lontis, Nicolae Stelian, *Diagnosis of the unit injection pump's elements*, INGINERIA AUTOMOBILULUI, ISSN 1842-4074, vol 42, pag.23-26, 2017, WOS:000409240200010	(25+20*0)/3 = 8,33
	13	Lontiş, Nicolae-Stelian, **Mihon, Nicolae-Liviu**, Vetreş, Ion, *Numerical simulation study of a hybrid road vehicle regarding fuel economy and ambient emission delivery*, INGINERIA AUTOMOBILULUI, ISSN 1842-4074, vol 43, pag.10-15, 2017, WOS:000409240700004	(25+20*0)/3 = 8,33
	14	Raţiu Sorin, **Mihon Nicolae Liviu**, Armion Diana Miruna, *Study of recycling methods of used engine oil*, INGINERIA AUTOMOBILULUI, ISSN 1842-4074, vol 55, pag.20-22, 2020, WOS: 000409240XXXXXX	(25+20*0)/3 = 8,33
	TOTAL (Criteriul 2.1)		**128,13**

2.3	Articole publicate în reviste naţionale şi volumele unor manifestări ştiinţifice naţionale şi internaţionale indexate în BDI, recunoscute de comisia CNATDCU		20/nr.autori
	1	**Mihon Liviu**, Nagy Robert, *Studies and reserches concerning the working of the Diesel engines with fuel-alcohol mixtures*, 20042130 CONAT paper, Braşov, 2004	20/2 = 10
	2	Negrea Virgiliu Dan, Grigore Lucian, Pădure Gelu, **Mihon Liviu**, *Diesel injection pump elements analyses with finite element method*, 20051087 CAR paper, Piteşti, 2005	20/4 = 5
	3	Negrea Virgiliu Dan, Grigore Lucian, **Mihon Liviu**, Pădure Gelu, *Fuel pipe-injector assembly modellation with finite element method*, 20051088 CAR paper, Piteşti, 2005	20/4 = 5
	4	**Mihon Liviu**, *Modelling Elements for the Auxiliary Systems which Works on Road Vehicle*, Scientific Bulletin of the "Politehnica" University of Timisoara, Transaction on Mathematics and Physics Scientific Bulletin of the "Politehnica" University of Timişoara, Transaction on Mathematics and Physics, ISSN 1224-6069, pag.85-92, Timişoara, 2006	20/1 = 20
	5	Iorga Dănilă, Vrabie Ion, Pădure Gelu, **Mihon Liviu**, *Influence on the direct injection diesel engine performances of the spraying characteristics by modifying the injection pressure*, 20061015k MVT paper, Timişoara, 2006	20/4 = 5
	6	Iorga Dănilă, Vrabie Ion, Pădure Gelu, **Mihon Liviu**, *The influence of spraying characteristics by modification of injection nozzle holes number on direct injection Diesel engine performances*, 20061021k MVT paper, Timişoara, 2006	20/4 = 5
	7	Mihon Doina, Pap Petru, **Mihon Liviu**, *Advanced public transport systems for reducing environmental pollution*, 20061041k MVT paper, Timişoara, 2006	20/3 = 6,67
	8	**Mihon Liviu**, Ostoia Daniel, *Studies concerning the dynamics of the vehicle equipped with ABS*, 20062009k MVT paper, Timişoara, 2006	20/2 = 10
	9	**Mihon Liviu**, *Modelling elements for the braking system with ABS*, 2007153181-188 AMMA paper, Cluj-Napoca, 2007	20/1 = 20
	10	Irimescu Adrian, Dănilă Iorga, **Mihon Liviu**, *Study of the intake air properties influence on the fuel injected mixture formation in a spark ignition engine using the i-x air-gasoline diagram*, 2007217-293-300 AMMA paper, Cluj-Napoca, 2007	20/3 = 6,67
	11	Mihon Doina, **Mihon Liviu**, Jădăneanţ Mihai, *Necessity for a sustainable transport system*, 2007616443-448 AMMA paper, Cluj-Napoca, 2007	20/3 = 6,67
	12	**Mihon Liviu**, Ostoia Daniel, *The dynamic behavior of road vehicle*, SMAT2008/v24 paper, Craiova, 2008	20/2 = 10
	13	Mihon Doina, **Mihon Liviu**, *Emission's control for vehicles*, SMAT2008/R12 paper, Craiova, 2008	20/2 = 10
	14	Dănilă Iorga, Vrabie Ion, Hinkel Werner, **Mihon Liviu**, Irimescu Adrian, *Experimental results concerning pollution decreasing for a high power direct injection Diesel engine*, SMAT2008/E09 paper, Craiova 2008	20/5 = 4
	15	Lelea Dorin, Cioabla Adrian, Laza Ioan, **Mihon Liviu**, *The Nu number behavior on micro-tube heat transfer and fluid flow of dielectric fluid*, The Open Thermodynamics Journal, ISSN 1874-396X, pag 38-41, 2009	20/4 = 5
	16	**Mihon Liviu**, Ostoia Daniel, Alic Carmen, Raţiu Sorin, *Laboratory measurements of light duty vehicle pollution and fuel consumption*, Annals of Faculty Engineering Hunedoara - Journal of Engineering, ISSN 1584-2665, tom VII, fascicula 3, pag.303-308, 2009	20/4 = 5
	17	Raţiu Sorin, Birtok-Baneasa Corneliu, **Mihon Liviu**, *Measuring the pression field in an inverted air filter*, Annals of Faculty Engineering Hunedoara - Journal of Engineering, ISSN 1584-2665, tom VII, fascicula 3, pag.279-285, 2009	20/3 = 6,67
	18	Lelea Dorin, Cioabla Adrian, Laza Ioan, **Mihon Liviu**, *The micro-heat sink with the double-layer single path channels*, Scientific Bulletin of the Politehnica University of Timişoara, Transaction on Mechanics, ISSN 1224-6077, 2009	20/4 = 5
	19	Lelea Dorin, Cioabla Adrian Eugen, **Mihon Liviu**, *The micro-tube heat transfer and fluid flow of methanol*, Annals of DAAAM & Proceedings, pag.701-702, 2010	20/3 = 6,67
	20	**Mihon Liviu**, Tokar Adriana, Raţiu Sorin, Brebu Lucian, *The modeling of a motor vehicle behaviour using specialized softwares*, CONAT 20104023 paper, Braşov, 2010	20/4 = 5
	21	**Mihon Liviu**, Iorga Dănilă, Swoboda Walter, Hiticaş Ioan, Henţiu Radu, *Improving performance of a Diesel-gas engine*, CONAT 20102021 paper, Braşov, 2010	20/5 = 4
	22	**Mihon Liviu**, Tokar Adriana, *Mathematical models for analyzing the propulsion equipment of the motor vehicles*, Proceedings of the 12th Symposium of Mathematics and Its Applications, UPT, pag. 431-437, Timisoara, 2010	20/2 = 10
	23	Henţiu Radu, Iorga Dănilă, Hiticaş Ioan, **Mihon Liviu**, *Engine performance increase by intake manifold resonance supercharging effect*, CONFERENG 2010, Targu Jiu, Analele Universităţii "Constantin Brâncuşi" Târgu Jiu, Engineering, ISSN 1842 – 4856, Nr.3, pp. 99 -106, 2010	20/4 = 5

24	**Mihon Liviu**, Negoiţescu Arina, Tokar Adriana, Ostoia Daniel, *Motor and vehicle optimization process modeling by using the AVL Cruise in standard applications*, Annals of Faculty Engineering Hunedoara - Journal of Engineering, ISSN 1584-2665, tom IX, fascicula 4, pag. 83-86, 2011	20/4 = 5
25	Lelea Dorin, Laza Ioan, **Mihon Liviu**, *Microchannel cooling systems using dielectric fluids*, Strojarstvo, ISSN 0562-1887, vol.53, nr.5, pag.367-372, Zagreb, Croaţia, 2011	20/3 = 6,67
26	Hiticaş Ioan, Iorga Danila, **Mihon Liviu**, Henţiu Radu, *Experimental Researches On Energy Performance Of A Spark Ignition Engine With Gasoline Injection, In Conditions Of Changing Fuel's Characteristics*, CAR 2011-1204 paper, Piteşti, 2011	20/4 = 5
27	Iorga Dănilă, Henţiu Radu, **Mihon Liviu**, Hiticaş Ioan, Carabas Daniel, Swoboda Walter, *Experimental research on the effect of changing the permeability of the filter on the performance of a fuel injection engine*, NACOT – National Conference of Thermodynamics with International Participation, Termotehnica, ISSN-L 1222-4057, ISSN 2247-1871, Editura AGIR, Nr. 1S/2011, Anul XV, pag. 24, Craiova, 2011	20/6 = 3,33
28	Hiticaş Ioan, Iorga Dănilă, **Mihon Liviu**, Uricanu Narcis, Piciorea George, *The influence of the intake manifold system concerning the performances of the internal combustion engine*, Fiability & Durability Journal Supplement, ISSN 1844-640X, "Constantin Brâncuşi" University, Târgu Jiu, pag.29-35, 2012	20/5 = 4
29	Hiticaş Ioan, Iorga Dănilă, **Mihon Liviu**, Resiga Emanuel, Uricanu Narcis, *Studies and experimental research concerning the performances of the internal combustion engine, controlled over the powertrain control module*, Fiability & Durability Journal Supplement, ISSN 1844-640X, "Constantin Brâncuşi" University, Târgu Jiu, pag.23-28, 2012	20/5 = 4
30	Hiticaş Ioan, Marin Daniel, **Mihon Liviu**, Resiga Emanuel, Iorga Dănilă, *Parameters control of a spark ignition engine through programmable ECU for specific regimes*, 7th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI), ISBN 978-1-4673-1014-7, pag. 399-404, Timisoara, 2012	20/5 = 4
31	Ostoia Daniel, **Mihon Liviu**, Negoiţescu Arina, Tokar Adriana, *Aspects regarding constructive modification to engines fulfill the Euro 5 and Euro 6 demands to passenger car*, MVT_2012103 paper, Timişoara, 2012	20/4 = 5
32	Swoboda Walter, Iorga Danila, **Mihon Liviu**, Hiticaş Ioan, *Methane number*, MVT_20121021 paper, Timişoara, 2012	20/4 = 5
33	**Mihon Liviu**, Negoiţescu Arina, Tokar Adriana, Ostoia Daniel, *Dynamical behaviour of a powertrain*, MVT_20121018 paper, Timişoara, 2012	20/4 = 5
34	Hiticaş Ioan, **Mihon Liviu**, Resiga Emanuel, Swoboda Walter, *Gas emission of a SI engine with programmable ECU*, MVT_20121005 paper, Timişoara, 2012	20/4 = 5
35	Hiticaş Ioan, **Mihon Liviu**, Iorga Dănilă, Swoboda Walter, *Emission level from internal combustion engine using fosil and alternative fuels*, ACME 2012, Buletinul Institutului Politehnic Iasi, Tomul LVIII (LXII), Fasc. 4, ISSN 1011-2855, Iasi, 2012	20/4 = 5
36	Hiticaş Ioan, **Mihon Liviu**, Resiga Emanuel, Swoboda Walter, *Gas emission of a spark ignition engine with programmable ECU*, Acta Technica Corviniensis - Bulletin of Engineering, ISSN 2067-3809, tom VI, fascicula 3, pag 69-72, Hunedoara, 2013	20/4 = 5
37	Ostoia Daniel, **Mihon Liviu**, Negoiţescu Arina, Tokar Adriana, *Aspects regarding constructive modification to engines fulfill the Euro 5 and Euro 6 demands to passenger car*, Acta Technica Corviniensis - Bulletin of Engineering, ISSN 2067-3809, tom VI, fascicula 3, pag. 131-134, Hunedoara, 2013	20/4 = 5
38	**Mihon Liviu**, Negoiţescu Arina, Tokar Adriana, Ostoia Daniel, *Dynamical behaviour of a powertrain*, Annals of Faculty Engineering Hunedoara – International Journal of Engineering, ISSN 1584-2665, tom XI, fascicula 2, pag.101-104, Hunedoara, 2013	20/4 = 5
39	**Mihon Liviu**, *Advanced modeling and diagnosis of a powertrain through specific parameters*, The 13th International Conference on Mathematics and its Applications, ISSN 1224-6069, pag. 255-263, Timişoara, 2013	20/1 = 20
40	Lontiş Nicolae Stelian, **Mihon Nicolae Liviu**, Vetreş Ion, *Numerical simulation study of a hybrid road vehicle regarding fuel economy and ambient emission delivery*, CONAT 20161019 paper, Braşov, 2016	20/3 = 6,67
41	**Mihon Nicolae Liviu**, Erdodi Geza Mihai, Lontiş Nicolae Stelian, *Diagnosis of the unit injection pump's elements*, CONAT 20161007 paper, Braşov, 2016	20/3 = 6,67
42	**Mihon Liviu**, Negoiţescu Arina, Tokar Adriana, Ostoia, Daniel, *Modeling and diagnosis of a powertrain through specific parameters*, Applied Mechanics & Materials, ISSN 1662-7482, pag.252-258, Craiova, 2016	20/4 = 5

	43	Gönczi Attila Iuliu; Cipleu Adrian, **Mihon Liviu**, *Reconstruction of an Unusual Road Traffic Accident Using Two Different Versions of a Simulation Program*, Applied Mechanics & Materials, ISSN 1662-7482, pag.503-511, Craiova, 2016	20/3 = 6,67
	44	**Mihon Nicolae Liviu**, Lontiş Nicolae Stelian, Deac Sorin, *The behaviour of a vehicle's suspension on a dynamic testing conditions* , International Conference on Applied Sciences ICAS 2017, IOP Conf.Series: Materials Science and Engineering paper, 294 (2018), Hunedoara, 2017	20/3 = 6,67
	45	**Mihon Nicolae Liviu**, Lontiş Nicolae Stelian, *Modeling and analysis of a vehicle suspension*, AMMA 2018 paper, ISBN 978-3-319-944008-1, Cluj Napoca, 2018	20/2 = 10
	46	**Mihon Liviu**, *Advanced mathematical analysis on a vehicle suspension*, The 15th International Conference on Mathematics and its Applications, ISSN 1224-6069, pag. 114-122, Timişoara, 2019	20/1 = 20
	TOTAL (Criteriul 2.3)		**336,03**

2.4	Articole publicate în reviste naţionale şi volumele unor manifestări ştiinţifice naţionale şi internaţionale, neindexate		5/nr.autori
	1	**Mihon Liviu**, NegreaVirgiliu Dan, Mihon Doina, *Diagnosticarea corectă a motoarelor cu ardere internă în vederea reducerii emisiilor poluante*, Simpozionul "Omul şi Mediul" Timişoara, 2001, ISBN 973-8274-31-4, pag.124-129	5/3 = 1,67
	2	**Mihon Liviu**, Mihon Doina, *Lubrifianţi moderni pentru reducerea poluării mediului înconjurător*, Simpozionul "Omul si Mediul" Timisoara, 2001, ISBN 973-8274-31-4, pag.130-135	5/2 = 2,5
	3	**Mihon Liviu**, Chedli Mekki, Mihon Doina, *Diagnosticarea motoarelor cu ardere internă în vederea reducerii emisiilor de noxe*, Prima Conferinţă cu participare internaţională, SMAT 2001, Craiova, vol.III, pag.215-220, ISBN 973-8043-25-6	5/3 = 1,67
	4	**Mihon Liviu**, Mihon Doina, *Prognoze şi măsuri de limitare a poluării mediului în transporturile rutiere*, Conferinţa Naţională cu participare internaţională AMMA 2002, Cluj-Napoca	5/2 = 2,5
	5	**Mihon Liviu**, Gal Stelian, *Studii şi cercetări privind construcţia unui vehicul ultrauşor propulsat de un motor ecologic*, Conferinţa Naţională cu participare internaţională AMMA 2002, Cluj-Napoca	5/2 = 2,5
	6	**Mihon Liviu**, Pap Petru, Mihon Doina, *Improved methods for vehicle exhaust emission tests*, ESFA 2003 - The7th International Conference Fuel Economy, Safety and Reliability of Motor Vehicles, Bucureşti, 8-9 mai 2003	5/3 = 1,67
	7	**Mihon Liviu**, *Fuel cells technology for significant reductions in both energy use and emissions for transportation and stationary power applications*, Zilele Academice Timişene, ed. a VIII-a, Simpozion "Omul şi mediul", 22 mai 2003, ISBN 973-585-999-8	5/1 = 5
	8	**Mihon Liviu**, *Fuel cells – the future for environment protection?*, Al XIII-lea Simpozion Naţional cu participare internaţională Termotehnica 2003, 30 - 31 mai 2003, ISSN 1453-7394	5/1 = 5
	9	**Mihon Liviu**, *Sisteme de răcire termoelectrică*, A XIV-a Conferinţă Naţională de Termotehnică, Paper C-11, Bucureşti, 2004	5/1 = 5
	10	**Mihon Liviu**, *Reducerea poluării motoarelor Diesel prin utilizarea bioetanolului*, Symposium "Man and the Environment", 3rd edition, ISBN 973-625-176-4, pag.38-46, Timişoara, 2004	5/1 = 5
	11	**Mihon Liviu**, *Using biofuels in Diesel engines*, The XVth National Conference of Thermodynamics with International participation, ISBN 973-742-089-6, Craiova, 2005	5/1 = 5
	12	**Mihon Liviu**, Mihon Doina, Jădăneanţ Mihai, Valea Emilian, *Reducing CO_2 emissions for new vehicles*, The XVth National Conference of Thermodynamics with International participation, ISBN 973-742-089-6, Craiova, 2005	5/4 = 1,25
	13	**Mihon Liviu**, *Critical study concerning fuel cell applications in automotive technology*, Scientific Reunion of the Alexander von Humboldt Foundation concerning the reconstruction of the eastern Europe, ISBN 973-625-205-1, Timişoara, 2006	5/1 = 5
	14	Mihon Doina, Pap Petru, **Mihon Liviu**, *The analyse and modelation of the man-vehicle reliability in the transportation net*, 36th International Scientific Symposium of METRA, ISBN 973-0-03923-2, Bucureşti, 2006	5/3 = 1,67
	15	Pap Petru, Mihon Doina, **Mihon Liviu**, *Frame methodology for conception and realisation of flow microsimulation model in communication nets*, 36th International Scientific Symposium of METRA, ISBN 973-0-03923-2, Bucureşti, 2006	5/3 = 1,67
	16	**Mihon Liviu**, Mihon Doina, Raţiu Sorin, *Monitoring the greenhouse effect gases in the region 5 west*, A VII-a Conferinta nationala cu participare internationala "Profesorul Dorin Pavel-fondatorul hidroenergeticii romanesti", ISBN 978-973-720-123-2, Sebeş, 2007	5/3 = 1,67

17	Iorga Daniel, Irimescu Adrian, **Mihon Liviu**, Vrabie Ioan, *L'utilisation d'une méthode numérique de calcul basée sur les équations du diagramme i-x air-combustible, pour la détermination des paramètres du mélange carburant d'un moteur à injection de l'essence à l'extérieur de cylinder,* COFRET '08, ISBN 2-6905267-61-5, Nantes, France, 2008	5/4 = 1,25
18	**Mihon Liviu**, Mihon Doina, *Exhaust gases tests on dynos*, The 6th edition of the International Conference on naval and mechanical engineering, TEHNONAV 2008, ISBN 978-973-614-448-6, Constanța, 2008	5/2 = 2,5
19	**Mihon Liviu**, Mihon Doina, *An overview of alternative fuels used in transportation*, ESFA 2009 paper, ISBN 2067-1083, București, 2009	5/2 = 2,5
20	Tokar Adriana, Negoițescu Arina, **Mihon Liviu**, *Simulation of a motor vehicle operating conditions with classical and LPG fuel*, ESFA 2009 paper, ISBN 2067-1083, București, 2009	5/3 = 1,67
21	Tokar Adriana, Negoițescu Arina, **Mihon Liviu**, *Biodiesel used for a clean environment*, International Congress Motor Vehicles & Motors 2010, ISBN 978-86-86663-57-3, pag.251-257, Kragujevac, Serbia, 2010	5/3 = 1,67
22	Negoițescu Arina, Tokar Adriana, **Mihon Liviu**, *The impact on greenhouse gases emissions of the production of electric energy used by electric vehicles*, International Automotive Conference Science and Motor Vehicles JUMV 2011, ISBN 978-86-80941-34-9, Belgrad, Serbia, 2011	5/3 = 1,67
23	Hiticaș Ioan, Marin Daniel, **Mihon Liviu**, *Increasing of the internal combustion engines performances through the intake manifold system*, Internationl Conference on Innovative Technologies, IN-TECH 2012, Rijeka, Croația, pp. 239 – 243, 2012.	5/3 = 1,67
24	Hiticaș Ioan, Marin Daniel, **Mihon Liviu**, *Experimental research concerning the pollution of an internal combustion engine with injection of gasoline, in conditions of changing the fuel*, International Conference on Innovative Technologies, IN-TECH 2012, Rijeka, Croația, pag. 199 – 203, 2012.	5/3 = 1,67
TOTAL (Criteriul 2.4)		**63,37**

2.5	**Granturi/proiecte câștigate prin competiție**	
	Director/Responsabil	
	Proiecte internaționale	20*nr. ani desfășurare
1	New functionalized medical devices for surgical interventions in the pelvic cavity (MedIn), COFUND-MANUNET III-MedIn-2, contract UEFISCDI 34/2018, 2018-2019, valoare 357.494 lei	20*2 = 40
2	3D bio-Printing for Insulin producing Vascularized Organs following Tumour resection (3DPIVOT), EUROSTARS-2017-EI 12021-3D PIVOT, contract UEFISCDI 65/2018, 2018-2022, valoare 1.208.488 lei	20*1,5 = 30
	Proiecte naționale	10*nr. ani
1	Studii și cercetări privind construcția unui vehicul ultrauşor propulsat de un motor ecologic de mică putere, grant ANSTI, 2000-2001, valoare 30.000 lei	10*2 = 20
2	Posibilitățile și limitele ecologizării transportului urban prin utilizarea combustibililor proveniți din uleiuri vegetale, CEEX, Grant X1C01, 2006-2009, valoare 44.000 lei	10*3 = 30
3	Modelarea termogazodinamică a motoarelor cu ardere internă în vederea funcționării cu combustibili neconvenționali, PN II Idei, Grant 1003, 2009-2010, valoare 241.863 lei	10*2 = 20
	Membru în echipă (proiecte naționale)	2*nr. ani desfășurare
1	Studii şi cercetări privind energoecologia maşinilor şi echipamentelor termice şi a vehiculelor de transport, Grant CNCSIS A27-229, 2001-2002, valoare 90.000 lei	2*2 = 4
2	Cercetări privind optimizarea constructiv-funcțională și ecologizarea maşinilor, echipamentelor termice şi a vehiculelor de transport, Grant CNCSIS 548, 2003, valoare 130.000 lei	2*1 = 2
3	Cercetarea fundamentală a fenomenelor termice şi fluidodinamice din micro-dispozitive de răcire, PN II Idei, Grant 938, 2009-2011, valoare 477.279 lei	2*3 = 6
4	Orientarea programelor de studii pe realitatea economica regionala, validarea acestora de catre actorii economici și dinamizarea relatiei in tripleta universitate-student-companii, pentru un invatamant superior tehnic performant – OVDIP, POSDRU/156/1.2/G/136302, 2015-2016, valoare 271.269 lei	2*2 = 4
5	Sisteme performante de acționare a vehiculelor hibride şi electrice cu o maşină sincronă axială cu două rotoare, un stator şi un singur invertor – PN III/Cooperare Europeană și Internațională/Proiect bilateral Ro-Md, Contract 17 BM/2016, valoare 51.580 lei	2*2 = 4
TOTAL (Criteriul 2.5)		**160**

SINTEZĂ Criteriul A2		Punctaj
2.1	Articole în extenso în reviste cotate ISI, proceeedings indexate ISI Thomson Reuters sau SAE	128,13
2.3	Articole publicate în reviste naţionale şi volumele unor manifestări ştiinţifice naţionale şi internaţionale indexate în BDI, recunoscute de comisia CNATDCU	336,03
2.4	Articole publicate în reviste naţionale şi volumele unor manifestări ştiinţifice naţionale şi internaţionale, neindexate	63,37
2.5	Granturi/proiecte câştigate prin competiţie	160,00
TOTAL (Criteriul 2)		687,53
Punctaj minim CNATCDU		200,00

Criteriul A3 – Recunoașterea și impactul activității (ultima actualizare la 31.12.2019)

3.1	Citări în reviste ISI (cu FI = 20 puncte/nr.autori; fără FI = 15 puncte/nr. autori) și BDI (10 puncte /nr. autori)	Punctaj
Iliescu Mihaiela, Spanu Paulina, Nutu Emil, **Mihon Liviu**, *Experimental and Theoretical Studies on Mechanical Characteristics of an Important Composite Material*, Materiale plastice, ISSN 0025-5289, 2009, vol. 46(1), pag.62-66, WOS:000265431100012		
1	Ionita Mariana, Branzoi Ioan Viorel, Multiscale Molecular Modeling and Laboratory Investigation of Polypyrrole-polyaniline Composite, Materiale plastice, ISSN 0025-5289, 2010, vol. 47(2), pag.184-188, WOS:000281051300013	20/2 = 10
2	Bratu, Polidor, Analysis of Technological and Functional Parameters of Oscillating Mills for Granular Material Grinding, Revista de chimie, ISSN 0034-7752, 62(7), pag.753-755, 2011, WOS:000292756700016	20/1 = 20
3	Ocnarescu Constantin, Tonoiu Sergiu, Catana Madalin-Gabriel, Ocnarescu Maria, Study of Cumulative Influence of Drilling Parameters on Machinability of Glass Fibre-reinforced Polymeric Composites, Materiale plastice, ISSN 0025-5289, 2015, vol. 52(4), pag.510-513, WOS:000368971900018	20/4 = 5
Amza Gheorghe, Luchian Cornelia, Nitoi Dan Florin, Dumitrache Florea, Borda Claudia, Voda Mircea, **Mihon Liviu**, *Experimental and Theoretical Researches Regarding Ultrasonic Welding Process Optimization of the Polymeric Matrix Composite Materials*, Materiale plastice, ISSN 0025-5289, 2009, vol. 46(3), pag.327-335, WOS:000272488600022		
1	Marsavina Liviu, Cernescu Anghel, Linul Emanoil, Scurtu Dan, Chirita Constantin, Experimental Determination and Comparison of Some Mechanical Properties of Commercial Polymers, Materiale plastice, ISSN 0025-5289, 2010, vol. 47(1), pag.85-89, WOS:000276587100016	20/5 = 4
2	Amza Gheorghe, Luchian Cornelia, Nitoi Dan Florin, Dumitrache Florea, Borda Claudia, Grigoras Stefan, Contributions Regarding Plastic Materials Ultrasonic Welding used in Automotive Industry, Materiale plastice, ISSN 0025-5289, 2010, vol. 47(1), pag.90-93, WOS:000276587100017	20/6 = 3,33
Irimescu Adrian, **Mihon Liviu**, Padure Gelu, *Automotive transmission efficiency measurement using a chassis dynamometer*, International Journal of Automotive Technology, Volume: 12, Issue: 4, ISSN 1229-9138, 2011, pag.555-559, WOS:000292313400011		
1	Nejad Ali Farokhi, Chiandussi Giorgio, Solimine Vincenzo, Serra Andrea, Study of a synchronizer mechanism through multibody dynamic analysis, PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART D-JOURNAL OF AUTOMOBILE ENGINEERING, Vol.233, Issue 6, pag.1601-1613, ISSN: 0954-4070, 2019 WOS:000474044700018	20/4 = 5
2	Departure Clement, Lhomme Walter, Bouscayrol Alain, Boulon Loic, Sicard Pierre, Jokela Tommi, Characterisation of the electric drive of EV: on-road versus off-road method, IET ELECTRICAL SYSTEMS IN TRANSPORTATION, Volume: 7, Issue: 3, Pages: 215-222, ISSN: 2042-9738, WOS:000408558400005	20/6 = 3,33
3	Mckay Troy R., Salvaggio Carl, Faulring Jason W., Sweeney Glenn D., Remotely detected vehicle mass from engine torque-induced frame twisting, OPTICAL ENGINEERING, Volume: 56, Issue: 6, article number: 063101, ISSN: 0091-3286, 2017, WOS:000406007500001	20/4 = 5
4	Shin J.W., Jung H.Y., Oh S.H., A study on 2-speed transmission of electric vehicle by using inventogram, JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, Volume: 31, Issue: 5, Pages: 2543-2548, ISSN: 1738-494X, 2017, WOS:000401709100053	20/3 = 6,67
5	Skoog Stefan, Experimental and model based evaluation of mild hybrid fuel consumption gains and electric machine utilization for personal vehicle application, 2017 IEEE TRANSPORTATION ELECTRIFICATION CONFERENCE AND EXPO, ASIA-PACIFIC (ITEC ASIA-PACIFIC), Pages: 489-494, ISBN:978-1-5386-2894-2, 2017, WOS:000426996500087	20/1 = 20
6	Kozlov K.E., Egorov A.V., Belogusev V.N., Experimental Evaluation of Chain Transmissions Lubricants Quality Using a New Method Based on Additional Inertia Moment Use, INTERNATIONAL CONFERENCE ON INDUSTRIAL ENGINEERING (ICIE 2017), Volume: 206, Pages: 617-623, ISSN: 1877-7058, 2017, WOS:000425674300099	20/3 = 6,67
7	Kozlov K.E., Egorov A.V., Belogusev V.N., A New Method for Control of the Efficiency of Gear Reducers, 5TH INTERNATIONAL CONFERENCE: MODERN TECHNOLOGIES FOR NON-DESTRUCTIVE TESTING, IOP Conference Series-Materials Science and Engineering, Volume: 189, Article Number: UNSP 012003, ISSN: 1757-8981, 2017, WOS:000419284100003	20/3 = 6,67
8	Moskalik Andrew, Dekraker Paul, Kargul John, Barba Daniel, Vehicle Component Benchmarking Using a Chassis Dynamometer, SAE INTERNATIONAL JOURNAL OF MATERIALS AND MANUFACTURING, Volume: 8, Issue: 3, Pages: 869-879, ISSN: 1946-3979, 2015, WOS:000421813500032	20/4 = 5
9	Shin J.W., Kim J.O., Choi J.Y., Oh S.H., Design of 2-speed transmission for electric commercial vehicle, INTERNATIONAL JOURNAL OF AUTOMOTIVE TECHNOLOGY, Volume: 15, Issue: 1, Pages: 145-150, ISSN: 1229-9138, 2014, WOS:000330199900016	20/4 = 5

10	Ognjanovic Miloslav, Milutinovic Miroslav, Design for Reliability Based Methodology for Automotive Gearbox Load Capacity Identification, STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, Volume: 59, Issue: 5, Pages: 311-322, ISSN: 0039-2480, 2013, WOS:000319241900004	20/2 = 10
11	Irimescu Adrian, Performance and fuel conversion efficiency of a spark ignition engine fueled with iso-butanol, APPLIED ENERGY, Volume: 96, Pages: 477-483, ISSN: 0306-2619, 2012, WOS:000305595500048	20/1 = 20
Irimescu Adrian, Iorga Danila, **Mihon Liviu**, Hentiu Radu, *Emissions Model for Spark Ignition Engines Fueled with Gasoline-Bioethanol Blends*, Journal of Environment Protection and Ecology, ISSN 1311-5065, 2012, vol 13(1), pag.9-16, WOS:000302843500002		
1	Nayak Vighnesha, Shankar K.S., Dinesha P., Mohanan P., An experimental investigation on performance and emission parameters of a multi-cylinder SI engine with gasoline-LPG dual fuel mode of operation, BIOFUELS-UK, Volume: 8, Issue: 1, Pages: 113-123, ISSN: 1759-7269, 2017, WOS:000396670700010	20/3 = 6,67
2	Basbas S., Kladias E., Kouvatas S., Politis I., Investigation for the implementation of low emission zone in the centre of Volos, Greece, JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY, Volume: 16, Issue: 2, Pages: 407-416, ISSN: 1311-5065, 2015, WOS:000357902500001	20/4 = 5
3	Faris Waleed, Rakha Hesham, Elmosehly Salah A., Analytical Modelling of Diesel Powertrain Fuel System and Consumption Rate, SAE INTERNATIONAL JOURNAL OF MATERIALS AND MANUFACTURING, Volume: 8, Issue: 1, Pages: 139-152, ISSN: 1946-3979, 2015, WOS:000421810800016	20/3 = 6,674
4	Gezginci M., Uysal Y., ELECTRICITY GENERATION USING DIFFERENT SUBSTRATES AND THEIR DIFFERENT CONCENTRATIONS IN MICROBIAL FUEL CELL, JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY, Volume: 15, Issue: 4, Pages: 1744-1750, ISSN: 1311-5065, 2014, WOS:000348254600024	20/2 = 10
Ioan Hiticaş, Daniel Marin, **Mihon Liviu**, *Modelling and operational testing of pulse-width modulation at injection time for a spark-ignition engine*, Technical Gazette, ISSN 1330-3651, vol. 20(1), 2013, pag.147-153, WOS:000315409300021		
1	Yalcinkaya Talat, Cakir Abdulkadir, Bolat Yildiz, Uysal Rahmi, Aslantas Ali, Electric fish barrier for protecting small carps in Egirdir lake, TEHNICKI VJESNIK-TECHNICAL GAZETTE, Volume: 24, Issue: 6, Pages: 1641-1646, ISSN: 1330-3651, 2017, WOS:000417121700001	20/5 = 4
2	Xu Nan, Zhao Di, Yu Xiumin, Chang He, Xu Zhen, Research on Control System of Piston Stop-Position Based on Electronic Throttle, 2015 IEEE International Conference on Cyber Technology in Automation, Control, and Intelligent Systems (CYBER), Pages: 398-403, ISBN:978-1-4799-8730-6, 2015, WOS:000380502300077	20/5 = 4
3	Brylina O.G., Evaluation of the quality of the harmonic signal transmission in multi-zone converters with push-pull width-pulse and frequency-width-pulse modulation, Vestnik Yuzhno-Ural'skogo gosudarstvennogo universiteta, Seriya: Energetika, Volume:14, Issue:1, Pages:48-53, ISSN:1990-8512	15/1 = 15
4	Brylina O.G., Static and Dynamic Spectral Characteristics of Multi-zone Integrate Converter with Frequency-width-pulse Modulation, Vestnik Yuzhno-Ural'skogo gosudarstvennogo universiteta, Seriya: Energetika, Volume:13, Issue:1, Pages:70-79, ISSN:1990-8512, 2013	15/1 = 15
Tokar Adriana, Negoiţescu Arina, **Mihon Liviu**, *Studies regarding the CO2 recovery from the atmosphere*, Annals of DAAAM & Proceedings, 25-28.11.2009, Vienna, Austria, ISSN 1726-9679, 2009, pag.349-350,		
1	Cindea Lenuta, Hatiegan Cornel, Pop Nicolina, Negrea Romeo, Raduca Eugen, Gillich Gilbert Rainer, Mosteanu Danut, Nedeloni Marian-Dumitru, The influence of thermal field in the electric arc welding of X60 carbon steel components in the CO2 environment, APPLIED THERMAL ENGINEERING, Volume: 103, Pages: 1164-1175, ISSN: 1359-4311, 2016, WOS:000379560500118	15/8 = 1,88
Alic Carmen Inge, Miklos Imre Zsolt, Miklos Cristina Carmen, **Mihon Liviu**, *Implementation of interactive and collaborative computer assisted learning in automotive engineering education*, Annals of DAAAM & Proceedings, 25-28.11.2009, Vienna, Austria, ISSN 1726-9679, 2009, pag.255-256, WOS:000282335600128		
1	Darmawan i.Gusti Ngurah, Westphalen Linda, Advancing Collaborative Learning Pedagogy With Team Learning Systems, PROCEEDINGS OF THE 5TH INTERNATIONAL CONFERENCE ON E-LEARNING, Pages: 72-81, ISBN:978-1-906638-68-9, 2010, WOS:000284261700009	15/2 = 7,5
TOTAL (Criteriul 3.1)		**206,40**

3.4	Membru în colectivele de redacţie sau comitetele ştiinţifice ale revistelor sau manifestărilor ştiinţifice. Organizator de manifestări ştiinţifice/Recenzor		
	Membru în colectivele de redacţie sau comitetele ştiinţifice ale revistelor sau manifestărilor ştiinţifice. (10 puncte pentru ISI; 8 puncte pentru BDI; 5 puncte pentru evenimente naţionale şi internaţionale neindexate)		Punctaj
	1	Conferinţa AMMA 2013, Cluj-Napoca	5
	2	Conferinta SMAT 2014, Craiova	5
	3	Conferinta ESFA 2015, Bucureşti	8
	4	Conferinta CONAT 2016, Braşov	8
	5	Conferinta CAR 2017, Piteşti	8
	6	Conferinţa AMMA 2018, Cluj-Napoca	8
	Organizator de manifestări ştiinţifice (10 puncte pentru ISI; 8 puncte pentru BDI; 5 puncte pentru evenimente naţionale şi internaţionale neindexate)		Punctaj
	1	Conferinţa MVT 2006, Timişoara	8
	2	Conferinţa MVT 2012, Timişoara	8
	Recenzor (10 puncte pentru ISI; 8 puncte pentru BDI; 5 puncte pentru evenimente naţionale şi internaţionale neindexate)		Punctaj
	1	Energy Conversion and Management, Elsevier, ISSN: 0196-8904	12*10 = 120
	TOTAL (Criteriul 3.4)		178

3.5	Experienţă de management, analiză şi evaluare în cercetare şi/sau învăţământ		Punctaj
	Conducere		5*nr. ani de desfăşurare
	1	Şef de catedră TMTAR/UPT, 2004-2008	5*4 = 20
	TOTAL (Criteriul 3.5)		20

3.6	Referent în comisii de doctorat. Membru în echipe de îndrumare doctorat		Punctaj
	Naţionale		5 puncte/participare
	1	Comisie doctorat ing.Tokar Adriana/Universitatea Politehnica Timişoara/2009	1*5 = 5
	2	Comisie doctorat ing.Henţiu Radu/Universitatea Politehnica Timişoara/2011	1*5 = 5
	3	Comisie doctorat ing.Panea Crina/Universitatea Oradea/2012	1*5 = 5
	4	Echipa îndrumare ing.Hiticaş Ioan Dumitru/UPT/2009-2011	1*5 = 5
	5	Echipă îndrumare ing.Constantin Doru/UPT/2012-2018	1*5 = 5
	6	Echipă îndrumare ing. Rus Alexandru Augustin/UPT/2015-	1*5 = 5
	7	Echipă îndrumare ing. Floricel (Deac) Sorin /UPT/2016-	1*5 = 5
	TOTAL (Criteriul 3.6)		35

3.8	Membru în academii, organizaţii, asociaţii profesionale de prestigiu, naţionale şi internaţionale, apartenenţă la organizaţii din domeniul educaţiei şi cercetării		
	Asociaţii profesionale (internaţionale – 10 puncte; naţionale – 5 puncte)		
	1	Membru al SIAR	5
	2	Membru al Society of Automotive Engineers (SAE) - SUA	10
	TOTAL (Criteriul 3.8)		15

SINTEZĂ Criteriul A3		Punctaj
3.1	Citări în reviste ISI şi BDI	206,40
3.4	Membru în colectivele de redacţie sau comitetele ştiinţifice ale revistelor sau manifestărilor ştiinţifice. Organizator de manifestări ştiinţifice/Recenzor	178
3.5	Experienţă de management, analiză şi evaluare în cercetare şi/sau învăţământ	20
3.6	Referent în comisii de doctorat. Membru în echipe de îndrumare doctorat	35
3.8	Membru în academii, organizaţii, asociaţii profesionale de prestigiu, naţionale şi internaţionale, apartenenţă la organizaţii din domeniul educaţiei şi cercetării	15
TOTAL (Criteriul 3)		454,40
Punctaj minim CNATCDU		100,00