Fișa de verificare a îndeplinirii standardelor minimale CNATDCU

Comisia: Inginerie Mecanică, Mecatronică și Robotică

Nume, Prenume **Barabas Istvan**
Funcția didactică **Profesor**
Departamentul **Autovehicule Rutiere si Transporturi**
Facultatea **Autovehicule Rutiere, Mecatronica si Mecanica**
Universitatea **Tehnica din Cluj-Napoca**

Specificatie	Domeniul activitatilor	Indicator	Punctaj obtinut	Punctaj minim grila	Realizare Indicatori
Activitatea didactica/profesionala	A.1.1	N1	6.00	2.00	Indeplinit
		N1.1	4.00	1.00	Indeplinit
		N1.3	2.00	1.00	Indeplinit
	A.1.2	N2	11.00	4.00	Indeplinit
		N.2.1	10.00	2.00	Indeplinit
Activitatea de cercetare	A21+A2.3	P1+P2	36.31	10.00	Indeplinit
		P1	36.31	6.00	Indeplinit
	A2.2	N3	22.00	10.00	Indeplinit
		N3.1	8.00	5.00	Indeplinit
	A2.4+A2.5	N4	3.00	2.00	Indeplinit
		N43	1.00	1.00	Indeplinit
Recunoasterea impactului activitatii	A3.1	S1+S2	216.98	50.00	Indeplinit
	A3.2	N5	71.00	10.00	Indeplinit
	A3.3	C	758.86	25.00	Indeplinit
		Total	**1127.15**	**114.00**	

Data: 10.01.2020

Cadru didactic,
Prof. Dr. Ing. Istvan BARABAS

N.1.1 **Manuale suport de curs (conf. Fisei disciplinei)**

Format tiparit/electronic (minim 100 pagini)

Prim autor

Nr. Crt	Autorii	Nr. Autori	Titlul	Editura	Anul publicarii	ISBN	punctaj
1	István Barabás, Coldea, Cristian	2	Aplicatii numerice in management (Format A5, 256 pag.)	UT PRESS	2016	978-606-737-201-4	1.00
2	István Barabás, Adrian Todoruţ	2	Combustibili pentru automobile: testare, utilizare, evaluare (Format B5, 266 pag.)	UT PRESS	2010	978-973-662-595-4	1.00
3	István Barabás	1	Lubrifianți pentru automobile: proprietăți, performanțe, evaluare (Format B5, 186 pag.)	UT PRESS	2013	978-973-662-866-5	1.00
4	István Barabás, Petru Brânzaş, Cornel Someşan	3	Metode moderne în management şi marketing (Format A5, 176 pag.)	Sincron	1997	973-9234-13-5	1.00

	Total	4.00

N1.2 **Manuale suport de curs (conf. Fisei disciplinei)**

coautor ***Format tiparit/electronic (minim 100 pagini)***

Nr. Crt	Autorii	Numar autori	Titlul	Editura	Anul publicarii	ISBN	punctaj
1	Bătaga, N.; Burnete, N.; Barabás, I. Cazila, A.; Filip, N.; Naghiu, A.; Dan, F.	7	Combustibili, lubrifianţi, materiale speciale pentru autovehicule. Economicitate şi poluare. Cluj-Napoca, Editura Alma Mater, 2003. ISBN 973-9471-20-X, 316 pagini.	Alma Mater		973-9471-	1.00
2	Bătaga, N.; Burnete, N.; Barabás, I. Cazila, A.; Filip, N.; Naghiu, A.; Dan, F.; Szasz, R.; Karamusantas, D.	9	Motoare cu ardere internă. Combustibili, lubrifianţi, materiale speciale pentru autovehicule, economicitate, poluare. Cluj-Napoca, Editura UT PRESS, 2000. ISBN 973-8397-37-5, 314 pagini.	UT PRESS	2000	973-8397-	1.00
	Total						2.00

N1.3 **Manuale suport de curs (conf. Fisei disciplinei)**

Format electronic disponibil pe platforma univ/fac/dep -autor

Nr. Crt	Autorii	Adesa de site	Anul postarii	nr. Autori	punctaj
1	Barabás István (Combustibili si lubrifianti)	didatec.ro	2011	1	1.00
2	Barabás István (Teoria sistemelor si automatizari)	edmodo.com	2018	1	1.00

	Total	2.00

N2.1 **Standuri de laborator (constructier/modernizari) certificate de directorul de departament**

Nr. Crt	Denumire stand/an constructie sau modernizare	Anul constructie/ modernizare	Punctal individual
1	Determinarea densității combustibililor cu areometrul	2013	1.00
2	Determinarea tensiunii superficiale și evaluarea calității pulverizării combustibililor	2013	1.00
3	Determinarea presiunii de vapori prin metoda Reid	2010	1.00
4	Stand penru etalonarea traductoarelor de forță	2016	1.00
5	Stand pentru studiul traductoarelor de temperatură	2015	1.00
6	Stand pentru studiul traductoarelor de turație	2015	1.00
7	Volan dinamometric	2018	1.00
8	Stand demonstrativ pentru determinarea randamentului transmisiilor mecanice	2015	1.00
9	Stand pentru determinarea temperaturii de tulburare a combustibililor	2015	1.00
10	Stand pentru evaluarea capacității de ungere a uleiurilor de ungere	2016	1.00

	Total	10.00

N2.2 **Indrumator laborator/carte si maplicatii format tiparit sau electronic**

autor, co-autor

Nr.crt.	Autori	Nr. Autori	Titlul	Anul editarii	ISBN	Punctaj individual
1	István Barabás	1	Combustibili și lubrifianți - Îndrumător pentru lucrările de laborator, Cluj-Napoca, Editura UT Press, 2013, ISBN 977-973-662-822-1, format electroic (CD + platforma edmodo.com)	2013	977-973-662-822-1	1.00
	Total					1.00

N2.3 **Aplicatie informatica educationala**

autor, co-autor

Nr.crt.	Autori	Nr. Autori	Titlul	Anul editarii	adresa web	Punctaj individual
	Total					0.00

N3.1 **Articole si publicatii BDI (neincluse in A2.1)**
prim autor sau autor corespondent

Nr. crt.	Nume autori	Numar autori	Titlul lucrarii	Denumire Jurnal /ISSN	Volum/ Numar	Anul publicarii	pagini (de la .. pana la:)	Punctaj individual
1	I Barabás, A Todoruţ, N Cordoș, A Molea	4	Current challenges in autonomous driving. http://iopscience.iop.org/article/10.1088/1757-899X/252/1/012096/meta;jsessionid=EAD0BD9FCE7D5CED19720AF4DFFCD19E.c2.iopscience.cld.iop.org, http://www.scopus.com, http://apps.webofknowledge.com - Web of Science Core Collection, WOS:000419817200096	CAR-2017, International Congress of Automotive and Transport Engineering - Mobility Engineering and Environment, IOP Conference Series: Materials Science and Engineering / ISSN: 1757-8981	Volume 252, 012096, ISSN: 1757-8981	2017	6 pagini (1-6)	1.00
2	Barabás, I.; Todoruţ, A.; Cordoș, N.	3	Estimation of Boiling Points of Brake Fluids. http://link.springer.com/chapter/10.1007/978-3-319-45447-4_24, http://apps.webofknowledge.com - Web of Science Core Collection - WOS:000390821400024, Conference Proceedings Citation Index- Science	CONAT 2016 International Congress of Automotive and Transport Engineering (A. Chiru and N. Ispas (eds.)) / ISBN: 978-3-319-45446-7 (Print), 978-3-319-45447-4 (eBook)		2017	8 pagini (209-216)	1.00
3	Barabás, I.; Todoruţ, A.; Cordoș, N.	3	An artificial neural network approach to estimate the viscosity of biodiesel-diesel-ethanol blends. http://atna-mam.utcluj.ro/index.php/Acta/article/view/784, http://apps.webofknowledge.com - Web of Science Core Collection - WOS:000387967500002	Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering / ISSN 1221-5872	Vol. 59, Issue III	2016	6 pagini (245-250)	1.00
4	Barabás, I.; Todoruţ, I.-A.; Kocsis, L.B.; Băldean,	4	Automated Test Bench for Study of the Fuel Injection Process. http://www.ttp.net/1012-0394.html, doi:10.4028/www.scientific.net/SSP.166-167.39, http://apps.webofknowledge.com - Web of Science Core Collection - WOS:000289532000005	The 5th International Conference: Robotics 2010, Cluj-Napoca, Solid State Phenomena / ISSN: 1012-0394, ISBN / ISBN-13: 3-908451-88-4 / 978-3-908451-88-4	Vols. 166-167	2010	6 pagini (39-44)	1.00
5	Barabás, I.; Todoruţ, A.	2	Chassis Dynamometer and Road Test Performances of Biodiesel-Diesel Fuel-Bioethanol Blend. http://papers.sae.org/2010-01-2139/, http://www.sae.org/calendar/techsess/182214.pdf. http://www.sae.org/technical/papers/2010-01-2139, http://www.scopus.com	SAE2010, Powertrains Fuels & Lubricants Meeting / ISSN 0148-7191		2010	12 pagini	1.00

6	Barabás, I.; Todoruţ, A.	2	Key Fuel Properties of Biodiesel-diesel fuel-ethanol Blends. http://www.sae.org/technical/papers/2009-01-1810, http://papers.sae.org/2009-01-1810, http://www.scopus.com	SAE2009 International Powertrains, Fuels and Lubricants Meeting / ISSN 0148-7191		2009	6 pagini	1.00
7	Barabás, I.; Todoruţ, A.	2	Chapter 1. Biodiesel quality, standards, and properties. In Montero, D.G. ed. Biodiesel-Quality, Emissions and By-products. Rijeka: InTech Publisher, 2011, ISBN 978-953-307-784-0, 26 pagini. WOS:000385799400002	Biodiesel- Quality, Emissions and By-products/DOI: 10.5772/2284/ISBN: 978-953-307-784-0		2011	28-Mar	1.00
8	Barabás, I.; Todoruţ, A.	2	Chapter 14. Utilization of biodiesel-diesel-ethanol blends in CI engine. In Montero, D.G. ed. Biodiesel- Quality, Emissions and By-products. Rijeka: InTech Publisher, 2011, ISBN 978-953-307-784-0, 20 pagini. WOS:000385799400015	Biodiesel- Quality, Emissions and By-products/DOI: 10.5772/2284/ISBN: 978-953-307-784-1		2012	215-235	1.00

Total	8.00

N3.2 **Articole si publicatii BDI (neincluse in A2.1)**

co-autor

Nr. crt.	Nume autori	Numar autori	Titlul lucrarii	Denumire Jurnal /ISSN	Volum/ Numar	Anul publicarii	nr. pagini (de la ..	Punctaj individual
1	N Cordoş, A Todoruţ, I Barabás.	3	Evaluation of the tire pressure influence on the lateral forces that occur between tire and road. IOP Publishing, 2017,, http://www.scopus.com, http://apps.webofknowledge.com - Web of Science Core Collection, WOS:000419817200011.	IOP Conference Series: Materials Science and Engineering, ISSN: 1757-8981 doi:10.1088/1757-899X/252/1/012011	252	2017	7 pagini	1.00
2	Todoruţ, A.; Cordoș, N.; Barabás, I.; Miheţ, S.	4	Evaluation by Experimental Methods of the Parameters that Influence the Behavior of Various Passenger Cars Classes in the Braking Process. http://link.springer.com/chapter/10.1007/978-3-319-45447-4_8, http://apps.webofknowledge.com - Web of Science Core Collection - WOS:000390821400008, Conference Proceedings Citation Index- Science	CONAT 2016 International Congress of Automotive and Transport Engineering (A. Chiru and N. Ispas (eds.)) / ISBN: 978-3-319-45446-7 (Print), 978-3-319-45447-4 (eBook)		2017	8 pagini (75-82)	1.00

3	Todoruţ, A.; Cordoș, N.; Barabás, I.; Bălcău, Monica	4	Algorithm for Plotting the Power and Traction Characteristics of the Motor Vehicles. http://www.atna-mam.utcluj.ro/index.php/Acta/article/view/837, http://apps.webofknowledge.com - Web of Science Core Collection, WOS:000416959000013.	Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering / ISSN 1221-5872	Vol. 60, Issue I	2017	8 pagini (83-90)	1.00
4	Todoruţ, A.; Cordoș, N.; Barabás, I.; Bălcău, Monica; Miheţ, S.	5	STUDIES ON THE BRAKING BEHAVIOUR OF THE VEHICLES USING NUMERICAL MODELS AND COMPUTERIZED SIMULATION. http://www.atna-mam.utcluj.ro/index.php/Acta/article/view/805, http://apps.webofknowledge.com - Web of Science Core Collection, WOS:000416957100005	Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering / ISSN 1221-5872	Vol. 59, Issue IV	2016	10 pagini (369-378)	1.00
5	Todoruţ, A.; Cordoș, N.; Barabás, I.; Mureșan, R.D.; Bălcău, Monica	5	Comparative study on the dynamic behaviour in cornering from different classes of passenger cars, by experimental and simulation methods. http://atna-mam.utcluj.ro/index.php/Acta/article/view/790, http://apps.webofknowledge.com - Web of Science Core Collection - WOS:000387967500008	Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering / ISSN 1221-5872	Vol. 59, Issue III	2016	12 pagini (285-296)	1.00

6	Todoruţ, A.; Cordoș, N.; Barabás, I.; Bălcău, Monica	4	Aspects regarding the numerical modeling of traffic incidents between motorcycles and passenger cars. http://atna-mam.utcluj.ro/index.php/Acta/article/view/768, http://apps.webofknowledge.com - Web of Science Core Collection - WOS:000387967100002	Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering / ISSN 1221-5872	Vol. 59, Issue II	2016	12 pagini (169-180)	1.00
7	Todoruţ, A.; Cordoș, N.; Barabás, I.; Bălcău, Monica	4	Aspects regarding the numerical modelling of pedestrian-vehicle accidents when both parties have continuous visibility of each other in traffic. http://www.atna-mam.utcluj.ro/index.php/Acta/article/view/724, http://apps.webofknowledge.com - Web of Science Core Collection - WOS:000387966300007	Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering / ISSN 1221-5872	Vol. 58, Issue IV	2015	10 pagini (537-546)	1.00
8	Todoruţ, A.; Cordoș, N.; Barabás, I.; Bălcău, Monica	4	The evaluation of kinematic measures which characterize the vehicle-pedestrian accidents. http://www.atna-mam.utcluj.ro/index.php/Acta/article/view/513, http://apps.webofknowledge.co	Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering / ISSN 1221-5872	Vol. 58, Issue I	2015	10 pagini (31-40)	1.00

9	N Cordoş, A Todoruţ, I Barabás	3	Evaluation of the tire pressure influence on the lateral forces that occur between tire and road. http://iopscience.iop.org/article/10.1088/1757-899X/252/1/012011/meta;jsessionid=DE1B4ACD284A67A38A3D660D319F68BE.c1.iopscience.cld.iop.org, http://www.scopus.com, http://apps.webofknowledge.com - Web of Science Core Collection	CAR-2017, International Congress of Automotive and Transport Engineering - Mobility Engineering and Environment, IOP Conference Series: Materials Science and Engineering / ISSN: 1757-8981	Volume 252, 012011 / ISSN: 1757-8981	2017	6 pagini (1-6)	1.00
10	Cordoș, N.; Todoruţ, A.; Barabás, I.; Mureșan, R.D.	4	Evaluation of the Behavior in Cornering for Different Classes of Passenger Cars by Numerical Modeling. http://link.springer.com/chapter/10.1007/978-3-319-45447-4_9, http://apps.webofknowledge.com - Web of Science Core Collection - WOS:000390821400009, Conference Proceedings Citation Index- Science	CONAT 2016 International Congress of Automotive and Transport Engineering (A. Chiru and N. Ispas (eds.)) / ISBN: 978-3-319-45446-7 (Print), 978-3-319-45447-4 (eBook)		2017	7 pagini (83-89)	1.00

11	Cordoş, N.; Todoruț, A.; Barabás, I.	3	Exhaust Emissions of a Medium Power Diesel Engine Operated with Biodiesel. doi:10.4028/www.scientific.net/AEF.8-9.93, http://www.ttp.net/2234-9898.html, http://apps.webofknowledge.com - Web of Science Core Collection - WOS:000323184000012	Advanced Engineering Forum / ISSN 2234-991X	Vols. 8-9	2013	10 pagini (93-102)	1.00
12	Molea, A; Visuian, P; Barabas, I; Suciu, RC; Burnete, NV.	5	Key fuel properties and engine performances of diesel-ethanol blends, using tetrahydrofuran as surfactant additive. DOI: 10.1088/1757-899X/252/1/012077. 2017 IOP Conf. Ser.: Mater. Sci. Eng. 252 012077. WOS:000419817200077	CAR-2017, International Congress of Automotive and Transport Engineering - Mobility Engineering and Environment, IOP Conference Series: Materials Science and Engineering / ISSN: 1757-8981	Volume 252, 012096, ISSN: 1757-8981	2017	9 pagini (1-9)	1.00
13	Burnete, NV; Filip, N; Barabas, I	3	Diesel-ethanol blends and their use in diesel engines. , Volume: 21, Issue: 3 Pages: . WOS:000434565300002	INGINERIA AUTOMOBILULUI	21/3	2015	18 (89-106)	1.00
14	Filip, N., Cordos, N., Jumate, N., Barabás, I.	4	An acoustic equipment for reducing the vibration and the noise of the diesel car engine for transient functioning conditions. Scopus	Proceedings of the Mini Conference on Vehicle System Dynamics, Identification and Anomalies, 2002		2002	6 (433-438)	1.00
Total								14.00

P1.1 **Articole și publicații științifice indexate Web of Science - Thomson Reuters *, ****

Autor corespondent/Prim autor ***maxim 3 autori***

Nr. crt.	Autor corespondent=2; Prim autor=1	Nume autori	Titlul lucrarii	Denumire Jurnal /ISSN	Volum/ Numar	Anul publicarii	nr. pagini (de la .. pana la:)	Factor de impact in anul publicarii	Punctaj individual pt n max 3
1	1	Barabás, I.	Liquid densities and excess molar volumes of ethanol + biodiesel binary system between the temperatures 273.15 K and 333.15 K (FI2015=2.083; FI2018=4.513)	Journal of Molecular Liquids/ISSN 0167-7322.	204	2015	95-99	4.513	9.43
2	1	Barabás, I.	Predicting the temperature dependent density of biodiesel–diesel–bioethanol blends	Fuel/ISSN 0016-2361	7	2013	563-574	4.908	10.22
3	1	Barabás, I.; Todoruţ, A.	Predicting the temperature dependent viscosity of biodiesel–diesel–bioethanol blends., 2011, 25(12) (IF2011=2.721;	Energy & Fuels/ ISSN 0887-0	25(12)	2011	5767-577	3.024	6.45
4	1	Barabás, I.; Todoruţ, A.; Băldean, D.	Performance and emission characteristics of an CI engine fueled with diesel–biodiesel–bioethanol blends (IF2010=3.602; IF2018=4.908)	Fuel/ISSN 0016-2361	89(12)	2010	3827-383	4.908	10.22
		Total							36.31

P1.2 **Articole și publicații științifice indexate Web of Science - Thomson Reuters *, ****

Autor corespondent/Prim autor ***mai mult de 4 autori inclusiv***

Nr. crt.	Autor corespondent=2; Prim autor=1	Numar autori	Nume autori	Titlul lucrarii	Denumire Jurnal/ ISSN	Volum/ Numar	Anul publicarii	nr. pagini (de la .. pana la:)	Factor de impact in anul publicarii	Punctaj individual
									0	

	Total	0.00

P1.3 **Articole și publicații științifice indexate Web of Science - Thomson Reuters**

co-autor ***maxim 3 autori***

Nr.crt	Nume autori	Titlul lucrarii	Denumire Jurnal/ ISSN	Volum/ Numar	Anul publicarii	nr. pagini (de la .. pana la:)	Factor de impact in anul publicarii	Numar autori	Punctaj individual
1									
2									
3									
	Total								0.00

P1.4 **Articole și publicații științifice indexate Web of Science - Thomson Reuters**

co-autor ***mai mult de 3 autori***

Nr. crt	Nume autori	Titlul lucrarii	Denumire Jurnal/ISSN	Volum/ Numar	Anul publicarii	nr. pagini (de la .. pana la:)	Factor de impact in anul	Numar autori	Punctaj individual
Total									0.00

P2.1<4 **Brevete internationale indexate in Web of Science-Derwent Innovation**

Prim autor/autor corespondent ***maxim 3 autori***

Nr.crt	Autori	Titlul brevetului/numar	Anul obtinerii brevetului	Numar autori	Punctaj individual
	Total				0.00

P2.1>4 **Brevete internationale indexate in Web of Science-Derwent Innovation**

Prim autor/autor corespondent ***minim 4 autori***

Nr.crt	Autori	Titlul brevetului/numar	Anul obtinerii brevetului	Numar autori	Punctaj individual
	Total				0.00

P2.2<4 **Brevete indexate OSIM**

Prim autor/autor corespondent ***maxim 3 autori***

Nr.crt	Autori	Titlul brevetului	Anul aparitiei	Numar autori	Punctaj individual
	Total				0.00

P2.2>4 **Brevete indexate OSIM**

Prim autor/autor corespondent ***minim 4 autori inclusiv***

Nr.crt	Autori	Titlul brevetului	Anul aparitiei	Numar autori	Punctaj individual
	Total				0.00

P2.2.1<4 **Brevete internationale indexate in Web of Science-Derwent Innovation**

Co-autor ***maxim 3 autori***

Nr.crt	Autori	Titlul brevetului	Anul aparitiei	Numar autori	Punctaj individual
	Total				0.00

P2.2.1>4 **Brevete internationale indexate in Web of Science-Derwent Innovation**

Co-autor ***minim 4 autori inclusiv***

Nr.crt	Autori	Titlul brevetului	Anul aparitiei	Numar autori	Punctaj individual
	Total				0.00

P2.2.2<4 **Brevete indexate OSIM; co-autor;**

maxim 3 autori

Nr.crt	Autori	Titlul brevetului	Anul aparitiei	Numar autori	Punctaj individual

	Total	**0.00**

P2.2.2>4 Brevete indexate OSIM; co-autor;

minim 4 autori

Nr.crt	Autori	Titlul brevetului	Anul aparitiei	Numar autori	Punctaj individual
		Total			0.00

N4.1-2

Produse, tehnologii, platforme şi servicii inovative (validate conform procedurilor specifice unităților de învățământ superior sau de cercetare)

Nr.crt	Denumire produs	anul validarii/mod validare (procedura)	Numar contributori	Calitatea:1 - coordonator; 2 membru in echipa	Punctaj individual
Total					0.00

N4.3 **Monografii/cărți de specialitate, format tipărit/electronic (min. 100 pag.)**

prim autor

Nr.crt	Autori	Titlul	Editura	Anul editarii	ISBN	Nr. Pagini	Punctaj individual
1	Barabás, I.; Todoruț, I.-A.; Zöldy, M. et al.	Energy Science and Technology, Volume 3: Oil and Natural Gas, Chapter 21: The Potential of Biodiesel–Petrodiesel–Bioethanol Blends as an Alternative Fuel for Compression Ignition Engines	Studium Press LLC, U.S.A., Houston, Editors: Umesh Chandra Sharma, Ram Prasad, Sri Sivakumar, Executive Editor: J.N. Govil	2015	ISBN 978-1-626990-64-7, ISBN 1-62699-064-6, Series ISBN 1-62699-061-1	644	1.00

Total	1.00

N4.4 **Monografii/cărţi de specialitate, format tipărit/electronic (min. 100 pag.)**

co - autor

Nr.crt	Autori	Titlul	Editura	Anul editarii	ISBN	Nr. Pagini	Punctaj individual
1	Todoruţ, I.-A.; Barabás, I.; Burnete, N. , 2012.	Siguranţa autovehiculelor şi securitatea în transporturi rutiere	U.T.PRESS, Cluj-Napoca	2012	978-973-662-764-4	360	1.00
2	Burnete, N.; Băţaga, N.; Brânzaş, P.; Naghiu, A.; Filip, N.; Barabás, I.; Todoruţ, A.; Cordoş, N.N.; Chintoanu, M.; Coman, Virginia; Ábrahám, B.; Ivan, I.; Coldea, C.; Varga, B.; Costea, C.; Borza, E.; Vlad, N.	Rapiţa - o provocare pentru fermieri şi energeticieni	Sincron, Cluj-Napoca	2004	973-9234-57-7	218	1.00

Total	2.00

N5 **Prezentarea/Diseminarea rezultatelor: prezență la manifestări științifice în calitate de autor/co-autor de lucrări, profesor invitat**

Nr. Crt.	Tipul activitatii: conferinta/congres=1; workshop international=2; profesor invitat=3	Denumire Congress, workshop/Institutia unde a fost invitat	Anul /perioada (pt. prof. invitat)	Titlul lucrarii sustinute in calitate de autor sau co-autor/ Prelegeri expuse pt profesor invitat	link email/alte modalitati de justificare a activitatii	Punctaj realizat
1	1	The IVth International Congress of Automotive and Transport Engineering – "Automobiles, Mobility, Modeling and Alternative solution – AMMA2018", 17-19 octombrie 2018, Cluj-Napoca, Romania	2018	Molea A., Barabás I., Suciu R. Influence of TiO2 Nano-particles Content on Physicochemical and Tribological Properties of Lubricant Oil. In: Burnete N., Varga B. (eds) Proceedings of the 4th International Congress of Automotive and Transport Engineering (AMMA 2018). AMMA2018 2018. Proceedings in Automotive Engineering. Springer, Cham First Online: 30 September 2018, Print ISBN 978-3-319-94408-1, Series Print ISSN 2524-7778, Online ISBN 978-3-319-94409-8, Series Online ISSN 2524-7786.	DOI https://doi.org/10.1007/978-3-319-94409-8_23	1.00
2	1	The IVth International Congress of Automotive and Transport Engineering – "Automobiles, Mobility, Modeling and Alternative solution – AMMA2018", 17-19 octombrie 2018, Cluj-Napoca, Romania	2018	Barabás I., Molea A., Suciu R. (2019) Fuel Properties of Diesel-Ethanol-Tetrahydrofuran Blends: Experimental and Theoretical Approaches. In: Burnete N., Varga B. (eds) Proceedings of the 4th International Congress of Automotive and Transport Engineering (AMMA 2018). AMMA2018 2018. Proceedings in Automotive Engineering. Springer, Cham	https://doi.org/10.1007/978-3-319-94409-8_24	1.00

3	1	CAR-2017, The International Congress of Automotive and Transport Engineering - Mobility Engineering and Environment, Pitesti, Romania, 8-10 November 2017	2017	I Barabás, A Todoruț, N Cordoș, A Molea. Current challenges in autonomous driving. IOP Publishing, 2017, IOP Conference Series: Materials Science and Engineering, Volume 252, 012096, ISSN: 1757-8981, Conference 1, CAR-2017, International Congress of Automotive and Transport Engineering - Mobility Engineering and Environment, Pitesti, Romania, 8-10 November 2017, Editors: Adrian Clenci (University of Pitesti), Ştefan Tabacu (University of Pitesti), doi:10.1088/1757-899X/252/1/012096, (I Barabás et al 2017 IOP Conf. Ser.: Mater. Sci. Eng. 252 012096), http://www.scopus.com, http://apps.webofknowledge.com - Web of Science Core Collection, WOS:000419817200096.	http://iopscience.iop.org/article/10.1088/1757-899X/252/1/012096/meta;jsessionid=EAD0BD9FCE7D5CED19720AF4DFFCD19E.c2.iopscience.cld.iop.org	1.00
4	1	CAR-2017, The International Congress of Automotive and Transport Engineering - Mobility Engineering and Environment, Pitesti, Romania, 8-10 November 2017	2017	N Cordoş, A Todoruț, I Barabás. Evaluation of the tire pressure influence on the lateral forces that occur between tire and road. IOP Publishing, 2017, IOP Conference Series: Materials Science and Engineering, Volume 252, 012011, ISSN: 1757-8981, Conference 1, CAR-2017, International Congress of Automotive and Transport Engineering - Mobility Engineering and Environment, Pitesti, Romania, 8-10 November 2017, Editors: Adrian Clenci (University of Pitesti), Ştefan Tabacu (University of Pitesti), doi:10.1088/1757-899X/252/1/012011, (N Cordoş et al 2017 IOP Conf. Ser.: Mater. Sci. Eng. 252 012011), http://www.scopus.com, http://apps.webofknowledge.com - Web of Science Core Collection, WOS:000419817200011.	http://iopscience.iop.org/article/10.1088/1757-899X/252/1/012011/meta;jsessionid=DE1B4ACD284A67A38A3D660D319F68BE.c1.iopscience.cld.iop.org	1.00

5	1	XXIV. International Conference in Mechanical Engineering – OGÉT – OGÉT, Deva, Romania, 2016. aprilie 21-24	2016	Barabás, I. Biodízel-gázolaj-bioetanol keverékek hidegfolyásának jellemzése. XXIV. International Conference in Mechanical Engineering – OGÉT – OGÉT, Déva, Románia, 2016. április 21-24, Erdélyi Magyar Műszaki Tudományos Társaság, Kolozsvár, ISSN 2068-1267, 36-39 ó.		1.00
6	1	CONAT 2016, The International Congress of Automotive and Transport Engineering, Brasov, Romania, 26-29 October, 2016	2016	Todoruţ, A.; Cordoş, N.; Barabás, I.; Miheţ, S. Evaluation by Experimental Methods of the Parameters that Influence the Behavior of Various Passenger Cars Classes in the Braking Process. Springer International Publishing Switzerland 2017, A. Chiru and N. Ispas (eds.), CONAT 2016 International Congress of Automotive and Transport Engineering, DOI 10.1007/978-3-319-45447-4_8, ISBN: 978-3-319-45446-7 (Print), 978-3-319-45447-4 (eBook), pp 75-82, http://apps.webofknowledge.com - Web of Science Core Collection - WOS:000390821400008, Conference Proceedings Citation Index- Science.	http://link.springer.com/chapter/10.1007/978-3-319-45447-4_8	1.00
7	1	CONAT 2016, The International Congress of Automotive and Transport Engineering, Brasov, Romania, 26-29 October, 2016	2016	Barabás, I.; Todoruţ, A.; Cordoş, N. Estimation of Boiling Points of Brake Fluids. Springer International Publishing Switzerland 2017, A. Chiru and N. Ispas (eds.), CONAT 2016 International Congress of Automotive and Transport Engineering, DOI 10.1007/978-3-319-45447-4_24, ISBN: 978-3-319-45446-7 (Print), 978-3-319-45447-4 (eBook), pp 209-216, http://apps.webofknowledge.com - Web of Science Core Collection - WOS:000390821400024, Conference Proceedings Citation Index- Science.	http://link.springer.com/chapter/10.1007/978-3-319-45447-4_24	1.00

8	1	CONAT 2016, The International Congress of Automotive and Transport Engineering, Brasov, Romania, 26-29 October, 2016	2016	Cordoș, N.; Todoruţ, A.; Barabás, I.; Mureșan, R.D. Evaluation of the Behavior in Cornering for Different Classes of Passenger Cars by Numerical Modeling. Springer International Publishing Switzerland 2017, A. Chiru and N. Ispas (eds.), CONAT 2016 International Congress of Automotive and Transport Engineering, DOI 10.1007/978-3-319-45447-4_9, ISBN: 978-3-319-45446-7 (Print), 978-3-319-45447-4 (eBook), pp 83-89, http://apps.webofknowledge.com - Web of Science Core Collection - WOS:000390821400009, Conference Proceedings Citation Index- Science.	http://link.springer.com/chapter/10.1007/978-3-319-45447-4_9	1.00
9	1	The 23rd International Conference in Mechanical Engineering – OGÉT, Șumuleu-Ciuc, România, 23-26 aprilie 2015	2015	Barabás, I. Fékfolyadékok forráspontjának becslése. In The 23rd International Conference in Mechanical Engineering – OGÉT, Șumuleu-Ciuc, România, 23-26 aprilie 2015, Vol. 23, Hungarian Technical Scientific Society of Transylvania, Cluj-Napoca, ISSN 2068-1267, pp. 36-39.		1.00
10	1	3rd International Congress Science and Management of Automotive and Transportation Engineering (SMAT2014) 23rd - 25th of October 2014, Craiova, Romania	2014	Cordoș, N.; Zsoldics, B.; Todoruţ, A.; Barabás, I.; Bălcău, Monica. Evaluation of the parameters that influencing the vehicles equilibrium state of cornering displacement. În: 3rd International Congress Science and Management of Automotive and Transportation Engineering (SMAT2014) 23rd - 25th of October 2014, Craiova, Romania, Section: Modern Transport Systems and Road Traffic, Paper Identification Number: SMAT 2014-MTSRT41, Proceeding, Tome I, pg. 171-180, Published by Universitaria Craiova, ISBN: 978-606-14-0864-1, 978-606-14-0865-8.	http://mecanica.ucv.ro/ViataAcademica/Conferinte/smat2014/Pages/Program%20SMAT%202014.pdf	1.00

11	1	XXII. International Conference in Mechanical Engineering – OGÉT, Sibiu, Romania, 2014. aprilie 24-27	2014	Barabás, I. Költségkímélő biohajtóanyag-koncentráció érzékelő fejlesztése. XXII. International Conference in Mechanical Engineering – OGÉT, Nagyszeben, Románia, 2014. április 24-27, Erdélyi Magyar Műszaki Tudományos Társaság, Kolozsvár, ISSN 2068-1267, 36-39 ó.		1.00
12	1	3rd AMMA International Congress “Automotive, Motor, Mobility, Ambient” - AMMA 2013, 17-19 October 2013	2013	Todoruţ, I.-A.; Barabás, I.; Cordoș, N.; Moldovanu, D.; Bălcău, Monica. The evaluation of kinematic measures within the process of overtaking motor vehicles. În: 3rd AMMA International Congress “Automotive, Motor, Mobility, Ambient” - AMMA 2013, 17-19 October 2013. Paper Identification Number: AMMA2013_412. Published - Acta Technica Napocensis - Scientific Journal of Technical University of Cluj-Napoca, Series Environmental Engineering & Sustainable Development Entrepreneurship (EESDE), Special Edition AMMA 2013, Volume 3, Issue 1, Special Edition (January – March 2014), pg. 29-44, ISSN: 2284-743X; ISSN-L: 2284-743X, U.T.Press Publishing House Cluj-Napoca.	http://amma2013.utcluj.ro/images/program.pdf, http://imadd.utcluj.ro/eesde/welcome.html, http://imadd.utcluj.ro/eesde/welcome_files/Special%20Edition%20AMMA_2013_1.pdf	1.00
13	1	In 21th International Conference in Mechanical Engineering – OGÉT, Arad, România, 25-28 aprilie 2013	2013	Barabás, I. Toxicity examination of diesel-biodiesel and gasoline-bioethanol blends with seed germination test. In 21th International Conference in Mechanical Engineering – OGÉT, Arad, România, 25-28 aprilie 2013, Vol. 21, Hungarian Technical Scientific Society of Transylvania, Cluj-Napoca, ISSN 2068-1267, pp. 36-39.		1.00

14	1	In 21th International Conference in Mechanical Engineering – OGÉT, Arad, România, 25-28 aprilie 2014	2014	Zöldy, M.; Krár, M.; Barabás, I.; Holló, A. Outlook of diesel fuels. In 21th International Conference in Mechanical Engineering – OGÉT, Arad, România, 25-28 aprilie 2013, Vol. 21, Hungarian Technical Scientific Society of Transylvania, Cluj-Napoca, ISSN 2068-1267, pp. 450-453. (Keynote Lecture).		1.00
15	1	20th International Conference in Mechanical Engineering – OGÉT, Cluj-Napoca, România, 19-22 aprilie 2012		Barabás, I. Predicting the density of fuel blends (Tüzelőanyag-keverékek sűrűségének becslése). In 20th International Conference in Mechanical Engineering – OGÉT, Cluj-Napoca, România, 19-22 aprilie 2012, Vol. 20, Hungarian Technical Scientific Society of Transylvania, Cluj-Napoca, ISSN 2067-1267, pp. 9-13.		1.00
16	1	CAR2011, The 10th International Automotive Congress “Automotive and Environment” from 2th to 4th of November, Pitesti, Romania	2011	Todoruţ, I.-A.; Barabás, I.; Burnete, N.V.; Budişan, T. The dynamic loads’ evaluation from the crank mechanism of the diesel engine fueled with biodiesel obtained from used sunflower oil. În: The 10th International Automotive Congress “Automotive and Environment” CAR2011, from 2th to 4th of November, Pitesti, Romania, Paper Identification Number: CAR20111298, indexată în BDI FISITA (International Federation of Automotive Engineering Societies) - Paper Code: CAR2011/CAR2011-1298.	Paper Code: CAR2011/CAR 2011-1298	1.00
17	1	CAR2011, The 10th International Automotive Congress “Automotive and Environment” from 2th to 4th of November, Pitesti, Romania	2011	Barabás, I.; Todoruţ, I.-A.; Bălcău, Monica. Fitting biodiesel-diesel-bioethanol blends to CI engines. În: the 10th International Automotive Congress “Automotive and Environment” CAR2011, from 2th to 4th of November, Pitesti, Romania, Paper Identification Number: CAR20111292, indexată în BDI FISITA (International Federation of Automotive Engineering Societies) - Paper Code: CAR2011/CAR2011-1292.	Paper Code: CAR2011/CAR 2011-1292	1.00

18	1	The XXV. microCAD - International Scientific Conference, microCAD2011, 31 March – 1 April, University of Miskolc, Hungary	2011	Barabás, I.; Todoruţ, A. Studies on Compatible Fuel Properties of Biodiesel–Diesel Fuel–Bioethanol Blends for Fuel Use in Compression Ignition Engines. În: The XXV. microCAD - International Scientific Conference, microCAD2011, 31 March – 1 April, University of Miskolc, Hungary. Section A: Environmental and Energy Management, pg. 15-20. Kiadja a Miskolci Egyetem Innovációs és Technológia Transzfer Centruma; Nyomdaszám: ME.Tu-162/2011. ISBN 978-963-661-954-1.	http://www.uni-miskolc.hu/~microcad/a.html	1.00
19	1	19th International Conference in Mechanical Engineering – OGÉT, Şumuleu Ciuc, România, 28 aprilie – 1 mai 2011	2011	Barabás, I. Predicting the viscosity of fuel blends. In 19th International Conference in Mechanical Engineering – OGÉT, Şumuleu Ciuc, România, 28 aprilie – 1 mai 2011, Vol. 19, Hungarian Technical Scientific Society of Transylvania, Cluj-Napoca, ISSN 2068-1267, pp. 10-14.		1.00
20	1	The XIth Edition, International Congress on Automotive and Transport Engineering, CONAT2010, Braşov, 27-29 October	2010	Barabás, I.; Todoruţ, A.; Kocsis, L.; Ignat, A.D. Rapid fuel properties estimation through chemometric modeling of nir spectra. În: International Congress on Automotive and Transport Engineering, CONAT2010, Braşov, The XIth Edition, 27-29 October, Volume III of VI, pg. 153-160, ISSN 2069-0401, Paper Identification Number: CONAT20102032.	Paper Identification Number: CONAT20102032	1.00

21	1	The 5th International Conference: Robotics 2010, Cluj-Napoca, Romania, 23-25 September	2010	Barabás, I.; Todoruţ, I.-A.; Kocsis, L.B.; Băldean, D.L. Automated Test Bench for Study of the Fuel Injection Process. În: The 5th International Conference: Robotics 2010, Cluj-Napoca, Romania, 23-25 September. Solid State Phenomena Vols. 166-167/2010, pg. 39-44, ISSN: 1012-0394, ISBN / ISBN-13: 3-908451-88-4 / 978-3-908451-88-4, Phenom Publisher: Trans Tech Publications Ltd, Switzerland, doi:10.4028/www.scientific.net/SSP.166-167.39. Indexed by Elsevier: SCOPUS - http://www.scopus.com. Ei Compendex (CPX) - www.ei.org/, Cambridge Scientific Abstracts (CSA) - www.csa.com, Chemical Abstracts (CA) - www.cas.org, Google and Google Scholar - google.com, Institution of Electrical Engineers (IEE) - www.iee.org, ISI (ISTP, CPCI, Web of Science - http://apps.webofknowledge.com - Web of Science Core Collection - WOS:000289532000005) - www.isinet.com etc.	http://www.ttp.net/1012-0394.html	1.00
22	1	18th International Conference in Mechanical Engineering, OGÉT2010, Baia Mare, April 22-25, 2010 - Profesor invitat	2010	Barabás, I.; Todoruţ, A.; Kocsis, L. Research on Diesel Fuel-biodiesel-etanol Blends. În: 18th International Conference in Mechanical Engineering, OGÉT2010 - Presented at the OGÉT plenary session, Baia Mare, April 22-25, pg. 11-16. Print Incitato, Cluj-Napoca, ISSN 2068-1267.	http://oget.emt.ro/emt_oget_program_2010.pdf	1.00
23	1	18th International Conference in Mechanical Engineering, OGÉT2010, Baia Mare, April 22-25, 2010	2010	Barabás, I.; Todoruţ, A.; Kocsis, L. Comparative Road Performance Test Results of Biodiesel-diesel Fuel-ethanol Blends. În: 18th International Conference in Mechanical Engineering, OGÉT2010, Baia Mare, April 22-25, pg. 52-55. Print Incitato, Cluj-Napoca, ISSN 2068-1267.	http://oget.emt.ro/emt_oget_program_2010.pdf	1.00

24	1	The 8th International Automotive Congress - ESFA2009, 12-14 November, Bucharest, Romania	2019	Barabás, I.; Todoruţ, A.; Burnete, N. Comparative Performance and Emissions Study of a Direct Injection Diesel Engine using Bio-Diesel obtained from used Cooking Oil. În: The 8th International Automotive Congress - ESFA2009, 12-14 November, Bucharest, Romania. Fuel Economy, Safety and Reliability of Motor Vehicles, Volume 1, Published by Politehnica Press, Bucharest, ISSN: 2067-1083, pg. 67-72. Paper Identification Number: E09A106, indexată în BDI (International Federation of Automotive Engineering Societies) - Paper Code: ESFA 09/E09A106.	Paper Code: ESFA 09/E09A106	1.00
25	1	12th EAEC European Automotive Congress, Bratislava, EAEC2009, June 29 to July 1, Bratislava, Slovakia	2009	Barabás, I.; Todoruţ, A.; Băldean, D.; Suciu, F. Experimental study on the spray characteristics for diesel fuel and biodiesel-diesel fuel-bioethanol blends. În: 12th EAEC European Automotive Congress, Bratislava, EAEC2009, June 29 to July 1, Bratislava, Slovakia. Published by: Slovak Society of Automotive Engineers Bratislava c/o SjF STU, Nám. slobody 17, 812 31 Bratislava, Slovak Republic. Edited by: E&CC Intenzíva Ltd, BIZNISUITE, Kutlíkova 17, 851 02 Bratislava. Printed and bound by: AD Team Ltd., Poľná 25/2974, 917 01 Trnava, Slovak Republic, ISBN: 978-80-969243-8-7. Paper Identification Number: E2009-02-009.	Paper Identification Number: E2009-02-009	1.00

26	1	12th EAEC European Automotive Congress, Bratislava, EAEC2009, June 29 to July 1, Bratislava, Slovakia	2009	Barabás, I.; Todoruţ, A.; Băldean, D.; Suciu, F. Key fuel properties of biodiesel-diesel-bioethanol blends which influence the spray process. În: 12th EAEC European Automotive Congress, Bratislava, EAEC2009, June 29 to July 1, Bratislava, Slovakia. Published by: Slovak Society of Automotive Engineers Bratislava c/o SjF STU, Nám. slobody 17, 812 31 Bratislava, Slovak Republic. Edited by: E&CC Intenzíva Ltd, BIZNISUITE, Kutlíkova 17, 851 02 Bratislava. Printed and bound by: AD Team Ltd., Poľná 25/2974, 917 01 Trnava, Slovak Republic, ISBN: 978-80-969243-8-7. Paper Identification Number: E2009-02-013.	Paper Identification Number: E2009-02-013	1.00
27	1	International Powertrains, Fuels and Lubricants Meeting, June 15-17, 2009, Florence, Italy	2009	Barabás, I.; Todoruţ, A. Key Fuel Properties of Biodiesel-diesel fuel-ethanol Blends. În: SAE2009 International Powertrains, Fuels and Lubricants Meeting, June 15-17, 2009, Florence, Italy. Session: Alternative and Advanced Fuels. Paper Identification Number: 09SFL-0256_2009-01-1810, ISSN 0148-7191, DOI: 10.4271/2009-01-1810, http://www.scopus.com.	http://www.sae.org/technical/papers/2009-01-1810; http://papers.sae.org/2009-01-1810	1.00
28	1	The XXIII microCAD2009 - International Scientific Conference, 19-20 March, University of Miskolc, Hungary	2009	Barabás, I.; Todoruţ, A.; Burnete, N. (2009). Possibilities of Recycling used Cooking Oil by Converting to Biofuels for Powering Compression Ignition Engines. În: The XXIII. microCAD2009 - International Scientific Conference, 19-20 March, University of Miskolc, Hungary. Section B: Waste Processing and Recycling, pg. 1-6. Kiadja a Miskolci Egyetem Innovációs és Technológia Transzfer Centruma; Nyomdaszám: ME.Tu-109/2009. ISBN 978-963-661-866-7 Ö; ISBN 978-963-661-868-1.		1.00

29	1	17th International Conference in Mechanical Engineering – OGÉT, Gheorgheni, România, 23-26 aprilie 2009	2009	Barabás, I. Fuel fitting to internal combustion engine. In 17th International Conference in Mechanical Engineering – OGÉT, Gheorgheni, România, 23-26 aprilie 2009, Vol. 17, Hungarian Technical Scientific Society of Transylvania, Cluj-Napoca, ISSN 1454-0746, pp. 44-47.		1.00
30	1	The XXII microCAD2008 - International Scientific Conference, 20-21 March, University of Miskolc, Hungary	2008	Barabás, I.; Todoruţ, A.; Suciu, F.; Baldean, D. (2008). Viscosity of Biodiesel-Diesel-Bioethanol Blends. În: microCAD2008 - International Scientific Conference, 20-21 March, University of Miskolc, Hungary. Section C: Non-Conventional Energy Resources-Research and Utilization, pg. 77-82. Kiadja a Miskolci Egyetem Innovációs és Technológia Transzfer Centruma; Nyomdaszám: ME.Tu-174/2008. ISBN 978-963-661-812-4 Ö; ISBN 978-963-661-814-8.		1.00
31	1	16th International Conference in Mechanical Engineering, OGÉT2008, Braşov, May 1-4 2008	2008	Barabás, I.; Todoruţ, A. (2008). Possibilities of using biodiesel-diesel-bioethanol blends as fuel for internal combustion engines. In: 16th International Conference in Mechanical Engineering, OGÉT2008, Braşov, May 1-4, (Technical Review, Special Issue, pg. 42-45), ISSN 1454-0746.		1.00

32	1	International Congress Automotive, Environment and Farm Machinery AMMA2007, Cluj-Napoca 11-13 Octombrie, 2007	2007	Todoruţ, A.; Barabás, I.; Brânzaş, P. (2007). Analytical evaluation of the air excess coefficient as function of experimentally measured exhaust gas composition in the D-2402.200 engine using suflower oil based fuels. În: International Congress Automotive, Environment and Farm Machinery AMMA2007, Cluj-Napoca 11-13 Octombrie. Paper Identification Number: AMMA-2007615. Acta Technica Napocensis, Series: Applied Mathematics and Mechanics, nr. 50/2007, Vol. IV, pg. 439-442, Editura U.T.PRESS, ISSN 1221-5872, IndexCopernicus™ International.	http://www.atna-mam.utcluj.ro/id28.htm	1.00
33	1	International Congress Automotive, Environment and Farm Machinery AMMA2007, Cluj-Napoca 11-13 Octombrie, 2007	2007	Todoruţ, A.; Barabás, I.; Brânzaş, P. (2007). Comparative evaluation of the alternative fueled D-2402.000 diesel engine with sunflower oil based and diesel fuel theoretically and experimentally determined main parameters. În: International Congress Automotive, Environment and Farm Machinery AMMA2007, Cluj-Napoca 11-13 Octombrie. Paper Identification Number: AMMA-2007523. Acta Technica Napocensis, Series: Applied Mathematics and Mechanics, nr. 50/2007, Vol. V, pg. 325-328, Editura U.T.PRESS, ISSN 1221-5872, IndexCopernicus™ International.	http://www.atna-mam.utcluj.ro/id29.htm	1.00

34	1	International Congress Automotive, Environment and Farm Machinery AMMA2007, Cluj-Napoca 11-13 Octombrie, 2007	2007	Barabás, I.; Brânzaş, P.; Todoruţ, A. (2007). Researches aiming partial substitution of diesel fuels for diesel engine with biodiesel-diesel-bioethanol mixtures. În: International Congress Automotive, Environment and Farm Machinery AMMA2007, Cluj-Napoca 11-13 Octombrie. Paper Identification Number: AMMA-2007528. Acta Technica Napocensis, Series: Applied Mathematics and Mechanics, nr. 50/2007, Vol. V, pg. 349-352, Editura U.T.PRESS, ISSN 1221-5872, IndexCopernicus™ International.	http://www.atna-mam.utcluj.ro/id29.htm	1.00
35	1	11th European Automotive Congress (EAEC2007) “Automobile for the Future”, 30 May - 1 June, Budapest, Hungary	2007	Brânzaş, P.; Barabás, I.; Todoruţ, A. (2007). Constructive and functional parameter limits of synchronization may interdict engine braking in downslope traffic. În: 11th European Automotive Congress (EAEC2007) “Automobile for the Future”, 30 May - 1 June, Budapest, Hungary, Paper Identification Number: PT-P04, indexată în BDI FISITA (International Federation of Automotive Engineering Societies) - Paper Code: EAEC-07/PT-P04.		1.00
36	1	11th European Automotive Congress (EAEC2007) “Automobile for the Future”, 30 May - 1 June, Budapest, Hungary	2007	Brânzaş, P.; Barabás, I.; Todoruţ, A. (2007). First resulis of the ProSiguR road safety pilot project in Romania. În: 11th European Automotive Congress (EAEC2007) “Automobile for the Future”, 30 May - 1 June, Budapest, Hungary, Paper Identification Number: LE01-2, indexată în BDI FISITA (International Federation of Automotive Engineering Societies) - Paper Code: EAEC-07/LE01-2.		1.00

37	1	15th International Conference in Mechanical Engineering, OGÉT2007, Cluj-Napoca, April 26-29 2007	2007	Barabás, I.; Todoruţ, A. (2007). Study of biofuel spray images. În: 15th International Conference in Mechanical Engineering, OGÉT2007, Cluj-Napoca, April 26-29, pg. 45-48 (Műszaki Szemle, nr. 38/2007). Printing Incitato Kft., Cluj-Napoca, Kiadja Erdélyi Magyar Műszaki Tudományos Társaság - EMT (Editor Hungarian Technical Scientific Society of Transylvania), ISSN 1454-0746.	http://www.emt.ro/downloads/muszaki_szemle/msz38.pdf	1.00
38	1	16th International Conference in Mechanical Engineering, OGÉT2007, Cluj-Napoca, April 26-29 2007	2008	KESZENHEIMER Attila, RÁCZ László, OLÁH László, BARABÁS István, CSIBI Vencel Ultra-alacsony tüzel)anyag - fogyasztású gépjármu dinamikai számítása		1.00
39	1	International Congress on Automotives "Motor Vehicles and Transportation MVT2006", from 15-17 November, Timişoara, Romania	2006	Todoruţ, A.; Barabás, I.; Burnete, N.; Mariaşiu, F. (2006). Evaluation of the main parameters of the D2402.000 engine that uses as sunflower oil based biofuels. În: International Congress on Automotives "Motor Vehicles and Transportation MVT2006", from 15-17 November, Timişoara, Romania. ISBN 973-638-284-2; Paper Identification Number:	Paper Identification Number: MVT20061034	1.00
40	1	International Congress on Automotives "Motor Vehicles and Transportation MVT2006", from 15-17 November, Timişoara, Romania	2006	Todoruţ, A.; Barabás, I.; Burnete, N.; Mariaşiu, F. (2006). Chemical pollution evaluation of sunflower oil based biofuels blends. În: International Congress on Automotives "Motor Vehicles and Transportation MVT2006", from 15-17 November, Timişoara, Romania. ISBN 973-638-284-2; Paper Identification Number: MVT20061033, indexată în BDI FISITA (International Federation of Automotive Engineering Societies) - Paper Code: MVT2006/MVT20061033k.	Paper Identification Number: MVT20061033	1.00

41	1	International Congress on Automotives “Motor Vehicles and Transportation MVT2006”, from 15-17 November, Timişoara, Romania	2006	Barabás, I.; Todoruţ, A.; Brânzaş, P. (2006). Road safety performance indicators in Romania. În: International Congress on Automotives “Motor Vehicles and Transportation MVT2006”, from 15-17 November, Timişoara, Romania. ISBN 973-638-284-2; Paper Identification Number: MVT20064003, indexată în BDI FISITA (International Federation of Automotive Engineering Societies) - Paper Code: MVT2006/MVT20064003k.	Paper Identification Number: MVT20064003	1.00
42	1	International Congress on Automotives “Motor Vehicles and Transportation MVT2006”, from 15-17 November, Timişoara, Romania	2006	Barabás, I.; Todoruţ, A.; Brânzaş, P.; Mariaşiu, F. (2006). Comparative analysis of the atomization characteristics of biodiesel fuels. În: International Congress on Automotives “Motor Vehicles and Transportation MVT2006”, from 15-17 November, Timisoara, Romania. ISBN 973-638-284-2; Paper Identification Number: MVT20061002k, indexată în BDI FISITA (International Federation of Automotive Engineering Societies) - Paper Code: MVT2006/MVT20061002.	Paper Identification Number: MVT20061002k	1.00
43	1	International Congress on Automotives “Motor Vehicles and Transportation MVT2006”, from 15-17 November, Timişoara, Romania	2006	Mariaşiu, F.; Todoruţ, A.; Barabás, I.; Plaian, Liana (2006). Increasing active security of heavyduty vehicles using the active security system ESP (Electronic Security Program). În: International Congress on Automotives “Motor Vehicles and Transportation MVT2006”, from 15-17 November, Timişoara, Romania. ISBN 973-638-284-2; Paper Identification Number: MVT20062011, indexată în BDI FISITA (International Federation of Automotive Engineering Societies) - Paper Code: MVT2006/MVT20062011.	Paper Identification Number: MVT20062011	1.00

44	1	14th International Conference in Mechanical Engineering, OGÉT2006, Tg. Mureş, April 27-30, 2006	2006	Barabás, I.; Todoruţ, A. (2006). Waste vegetable oil as a diesel fuel. În: 14th International Conference in Mechanical Engineering, OGÉT2006, Tg. Mureş, April 27-30, pg. 42-45. Press Incitato Kft., Cluj-Napoca, Erdélyi Magyar Műszaki Tudományos Társaság, ISBN (10) 973-7840-10-0; ISBN (13) 978-973-7840-10-2.		1.00
45	1	14th International Conference in Mechanical Engineering, OGÉT2006, Tg. Mureş, April 27-30, 2006	2006	Barabás, I. Potential of biofuels for road transport in Romania. In 14th International Conference in Mechanical Engineering – OGÉT, Târgu Mureş, România, 27-30 aprilie 2006, Vol. 14, Hungarian Technical Scientific Society of Transylvania, Cluj-Napoca, ISBN 973-7840-10-0; ISBN 978-973-7840-10-2, pp. 11-14. (Keynote		1.00
46	1	14th International Conference in Mechanical Engineering, OGÉT2006, Tg. Mureş, April 27-30, 2006	2006	Barabás, I.; Todoruţ, A. (2006). Használt étolaj dízelmotorok hajtóanyagaként való hasznosítása. În: XIV. Nemzetközi Gépész Találkozó, OGÉT2006, április 27-30, Marosvásárhely. ISBN 973-7840-10-0; ISBN 978-973-7840-10-2.		1.00
47	1	The 9th International Congress on Automotives “Automotive and Environment” CAR2005, from 2th to 4th of November, Pitesti, Romania	2005	Todoruţ, A.; Burnete, N.; Barabás, I.; Coldea, C.; Mariaşiu, F. (2005). Aspects regarding numerical calculus of gases exchange for compression ignition engines fueled with sunflower oil based fuels in comparison with mineral fuel. În: the 9th International Congress on Automotives “Automotive and Environment” CAR2005, from 2th to 4th of November, Pitesti, Romania, Paper Identification Number: CAR20051081.	Paper Identification Number: CAR20051081	1.00

48	1	The 9th International Congress on Automotives “Automotive and Environment” CAR2005, from 2th to 4th of November, Pitesti, Romania	2005	Barabás, I.; Burnete, N.; Todoruţ, A.; Coldea, C.; Mariaşiu, F. (2005). Experimentation with fuels based on sun flower oil on diesel engines. În: the 9th International Congress on Automotives “Automotive and Environment” CAR2005, from 2th to 4th of November, Pitesti, Romania, Paper Identification Number: CAR20051104.	Paper Identification Number: CAR20051104	1.00
49	1	The 9th International Congress on Automotives “Automotive and Environment” CAR2005, from 2th to 4th of November, Pitesti, Romania	2005	Burnete, N.; Naghiu, A.; Barabás, I.; Todoruţ, A.; Teberean, I.; Vlad, N.; Costea, A.; Varga, B. (2005). Research regarding injection pressure influence on compressed ignited engines running on vegetal oil based fuels performances. În: the 9th International Congress on Automotives “Automotive and Environment” CAR2005, from 2th to 4th of November, Pitesti, Romania, Paper Identification Number: CAR20051078.	Paper Identification Number: CAR20051078	1.00
50	1	International Automotive Congress, CONAT2004, Braşov, October 20-22, 2004	2004	Todoruţ, A.; Burnete, N.; Barabás, I.; Varga, B.O.; Costea, A. (2004). Research concerning the pollution produced by the diesel engines running on mixture of diesel and biofuels. În: International Automotive Congress, CONAT2004, Braşov, October 20-22, Paper Identification Number: CONAT20042106.	Paper Identification Number: CONAT20042106	1.00
51	1	International Automotive Congress, CONAT2004, Braşov, October 20-22, 2004	2004	Burnete, N.; Barabás, I.; Todoruţ, A.; Varga, B.O. (2004). Evaluation of the performance and fuel consumption parameters of the D-118 engine that uses as fuel used oil from food industry. În: International Automotive Congress, CONAT2004, Braşov, October 20-22, Paper Identification Number: CONAT20042104.	Paper Identification Number: CONAT20042104	1.00

52	1	International Automotive Congress, CONAT2004, Braşov, October 20-22, 2004	2004	Burnete, N.; Naghiu, A.; Teberean, I.; Filip, N.; Todoruţ, A.; Barabás, I.; Varga, B.O.; Borza, E.; Coldea, C.; Vlad, N.; Bacu, F. (2004). Mixes of the diesel fuel with vegetal oil - alternative fuels for the diesel engines. În: International Automotive Congress, CONAT2004, Braşov, October 20-22, Paper Identification Number: CONAT20042114.	Paper Identification Number: CONAT20042114	1.00
53	1	Conferinţa internaţională SMAT2001, Craiova 08-09 Noiembrie, Autovehiculul, Siguranţă, Confort şi Fiabilitate	2001	Mariaşiu, F.; Barabás, I.; Todoruţ, A. (2001). Influenţa arhitecturii camerei de ardere asupra procesului de injecţie la motoarele cu aprindere prin comprimare. În: Prima conferinţă internaţională SMAT2001, Craiova 08-09 Noiembrie, Autovehiculul, Siguranţă, Confort şi Fiabilitate. Vol. III, Motoare pentru autovehicule, pg. 241-244.		1.00
54	1	Conferinţa internaţională SMAT2001, Craiova 08-09 Noiembrie, Autovehiculul, Siguranţă, Confort şi Fiabilitate	2001	Barabás, I.; Brânzaş, P.; Todoruţ, A.; Barabás Judit-Eva (2001). Cercetări teoretice privind dependenţa dintre cifra octanica şi energia de ionizare a hidrocarburilor. În: Prima conferinţă internaţională SMAT2001, Craiova 08-09 Noiembrie, Autovehiculul, Siguranţă, Confort şi Fiabilitate. Vol. III, Motoare pentru autovehicule, pg. 245-248.		1.00
55	1	Conferinţa Ştiinţifică Internaţională TMCR2001, Chişinău, 23-25 mai	2001	Burnete, N.; Cordoş, N.; Karamusantas, D.; Barabás, I.; Todoruţ, A.; Mihăescu, M. (2001). Analiza comparativă prin elemente finite a solicitărilor unui organ al motorului cu ardere internă. În: Conferinţa Ştiinţifică Internaţională TMCR2001, Chişinău, 23-25 mai, Tehnologii Moderne, Calitate, Restructurare, Vol. 1, pg. 446-449, Editare şi multiplicare la secţia de Redactare a UTM, ISBN 9975-9638-1-1.		1.00

56	1	A XII-a Conferinţă Naţională multidisciplinară - cu participare internaţională - „Profesorul Dorin PAVEL – fondatorul hidroenergeticii româneşti”, Sebeș, 2012	2012	Todoruţ, A.; Barabás, I.; Cordoș, N. (2012), Posibilităţi de evaluare ai parametrilor capacităţii de demarare a autovehiculelor. În: Ştiinţă şi Inginerie, Vol. 22, pg. 421-430. Bucureşti, Editura AGIR, 2012, ISSN 2067-7138, e-ISSN 2359-828X, http://stiintasiinginerie.ro/, https://journals.indexcopernicus.com, CABI, Index Copernicus.	http://stiintasiinginerie.ro/22-57-posibilitati-de-evaluare-a-parametrilor-capacitatii-de-demarare-a-autovehiculelor/	1.00
57	1	A XII-a Conferinţă Naţională multidisciplinară - cu participare internaţională - „Profesorul Dorin PAVEL – fondatorul hidroenergeticii româneşti”, Sebeș, 2012	2012	Todoruţ, A.; Barabás, I.; Cordoș, N. (2012), Modelarea reţinerii pasagerului de către centura de siguranţă. În: Ştiinţă şi Inginerie, Vol. 22, pg. 431-440. Bucureşti, Editura AGIR, 2012, ISSN 2067-7138, e-ISSN 2359-828X, http://stiintasiinginerie.ro/, https://journals.indexcopernicus.com, CABI, Index Copernicus.	http://stiintasiinginerie.ro/22-58-modelarea-retinerii-pasagerului-de-catre-centura-de-siguranta/	1.00
58	1	A XI-a Conferinţă Naţională multidisciplinară - cu participare internaţională - „Profesorul Dorin PAVEL – fondatorul hidroenergeticii româneşti”, Sebeș, 2011	2011	Todoruţ, A.; Barabás, I. (2011), Determinarea caracteristicilor fizico-chimice ale biocombustibililor pe bază de ulei alimentar uzat, în amestec cu motorina. În: Ştiinţă şi Inginerie, Vol. 20, pg. 521-528. Bucureşti, Editura AGIR, 2011, ISSN 2067-7138, e-ISSN 2359-828X, http://stiintasiinginerie.ro/, https://journals.indexcopernicus.com, CABI, Index Copernicus.	http://stiintasiinginerie.ro/20-75-determinarea-caracteristicilor-fizicochimice-ale-biocombustibililor-pe-baza-de-ulei-alimentar-uzat-in-amestec-cu-motorina/	1.00
59	1	A XI-a Conferinţă Naţională multidisciplinară - cu participare internaţională - „Profesorul Dorin PAVEL – fondatorul hidroenergeticii româneşti”, Sebeș, 2011	2011	Todoruţ, A.; Barabás, I. (2011), Evaluarea distanţei de siguranţă dintre autovehicule la desprinderea din coloană, în vederea depăşirii. În: Ştiinţă şi Inginerie, Vol. 20, pg. 529-538. Bucureşti, Editura AGIR, 2011, ISSN 2067-7138, e-ISSN 2359-828X, http://stiintasiinginerie.ro/, https://journals.indexcopernicus.com, CABI, Index Copernicus.	http://stiintasiinginerie.ro/20-76-evaluarea-distantei-de-siguranta-dintre-autovehicule-la-desprinderea-din-coloana-in-vederea-depasirii/	1.00

60	1	A X-a Conferinţă Naţională multidisciplinară - cu participare internaţională - „Profesorul Dorin PAVEL – fondatorul hidroenergeticii româneşti”, Sebeș, 2010	2010	Todoruţ, A.; Barabás, I.; Brânzaş, P.; Gavrilaş, C.A. (2010), Reconstrucţia accidentelor rutiere motocicletă-automobil. În: Ştiinţă şi Inginerie, Vol. 17, pg. 135-144. Bucureşti, Editura AGIR, 2010, ISSN 2067-7138, e-ISSN 2359-828X, http://stiintasiinginerie.ro/, https://journals.indexcopernicus.com, CABI, Index Copernicus.	http://stiintasiinginerie.ro/17-23-reconstruclia-accidentelor-rutiere-motocicleta-automobil/	1.00
61	1	A X-a Conferinţă Naţională multidisciplinară - cu participare internaţională - „Profesorul Dorin PAVEL – fondatorul hidroenergeticii româneşti”, Sebeș, 2010	2010	Barabás, I.; Todoruţ, A.; Brânzaş, P. (2010), Sporirea siguranţei rutiere prin îmbunătăţirea calităţilor de frânare ale automobilelor. În: Ştiinţă şi Inginerie, Vol. 17, pg. 145-154. Bucureşti, Editura AGIR, 2010, ISSN 2067-7138, e-ISSN 2359-828X, http://stiintasiinginerie.ro/, https://journals.indexcopernicus.com, CABI, Index Copernicus.	http://stiintasiinginerie.ro/17-24-sporirea-siguranlei-rutiere-prin-imbunatalirea-calitalilor-de-franare-ale-automobilelor/	1.00
62	1	A X-a Conferinţă Naţională multidisciplinară - cu participare internaţională - „Profesorul Dorin PAVEL – fondatorul hidroenergeticii româneşti”, Sebeș, 2010	2010	Todoruţ, A.; Barabás, I.; Brânzaş, P.; Szathmari, R. (2010). Studii asupra suspensiei unui autovehicul cu trei roţi (trike) şi asupra parametrilor dinamici ai acestuia. În: Ştiinţă şi Inginerie, Vol. 17, pg. 533-542. Bucureşti, Editura AGIR, ISSN 2067-7138, e-ISSN 2359-828X, http://stiintasiinginerie.ro/, https://journals.indexcopernicus.com, CABI,		1.00
63	1	A X-a Conferinţă Naţională multidisciplinară - cu participare internaţională - „Profesorul Dorin PAVEL – fondatorul hidroenergeticii româneşti”, Sebeș, 2010	2010	Barabás, I.; Todoruţ, A.; Brânzaş, P.; Efrim, R.M. (2010). Îmbunătăţirea protecţiei conducătorului auto prin reproiectarea coloanei volanului autoturismului Dacia Logan. În: Ştiinţă şi Inginerie, Vol. 17, pg. 543-550. Bucureşti, Editura AGIR, ISSN 2067-7138, e-ISSN 2359-828X, http://stiintasiinginerie.ro/, https://journals.indexcopernicus.com, CABI, Index Copernicus.		1.00

64	1	A IX-a Conferinţă Naţională multidisciplinară - cu participare internaţională - „Profesorul Dorin PAVEL – fondatorul hidroenergeticii româneşti”, Sebeș, 2009	2009	Todoruţ, A.; Barabás, I.; Brânzaş, P. (2009), Evaluarea comparativă a parametrilor principali, calculaţi faţă de cei determinaţi experimental, ai motorului D-2402.000 alimentat alternativ cu combustibili pe bază de ulei alimentar uzat şi motorină. În: Ştiinţă şi Inginerie, Vol. 15, pg. 539-544. Bucureşti, Editura AGIR, 2009, ISBN 973-8130-82-4, ISBN 978-973-720-245-1.		1.00
65	1	A IX-a Conferinţă Naţională multidisciplinară - cu participare internaţională - „Profesorul Dorin PAVEL – fondatorul hidroenergeticii româneşti”, Sebeș, 2009	2009	Todoruţ, A.; Barabás, I.; Brânzaş, P. (2009), Evaluarea analitică al coeficientului de exces de aer în funcţie de compoziţia gazelor de evacuare măsurate experimental în cazul motorului D-2402.000 alimentat alternativ cu combustibili pe bază de ulei de floarea soarelui şi motorină. În: Ştiinţă şi Inginerie, Vol. 15, pg. 545-550. Bucureşti, Editura AGIR, 2009, ISBN 973-8130-82-4, ISBN 978-973-720-245-1.		1.00
66	1	A VII-a Conferinţă Naţională multidisciplinară - cu participare internaţională - „Profesorul Dorin PAVEL – fondatorul hidroenergeticii româneşti”, Sebeș, 2007	2007	Todoruţ, A.; Barabás, I. (2007). Simularea numerică a ciclului de lucru al motorului diesel alimentat cu combustibili pe bază de ulei de floarea soarelui uzat comparativ cu motorina. În: Ştiinţă şi Inginerie, Vol. 11, pg. 425-430. Bucureşti, Editura AGIR, 2007, ISBN 973-8130-82-4, ISBN 978-973-720-122-5.		1.00
67	1	A VII-a Conferinţă Naţională multidisciplinară - cu participare internaţională - „Profesorul Dorin PAVEL – fondatorul hidroenergeticii româneşti”, Sebeș, 2007	2007	Todoruţ, A.; Barabás, I. (2007). Simularea numerică a solicitărilor dinamice din mecanismul motor al motorului diesel alimentat cu combustibili pe bază de ulei de floarea soarelui uzat comparativ cu motorina. În: Ştiinţă şi Inginerie, Vol. 11, pg. 431-436. Bucureşti, Editura AGIR, 2007, ISBN 973-8130-82-4, ISBN 978-973-720-122-5.		1.00

68	1	A VII-a Conferinţă Naţională multidisciplinară - cu participare internaţională - „Profesorul Dorin PAVEL – fondatorul hidroenergeticii româneşti”, Sebeș, 2007	2007	Todoruţ, A.; Barabás, I. (2007). Evaluarea prin calcule numerice a căldurilor specifice, a energiilor interne şi a entalpiilor amestecului de gaze în cazul motoarelor diesel alimentate alternativ cu combustibili pe bază de ulei de floarea soarelui şi motorină. În: Ştiinţă şi Inginerie, Vol. 11, pg. 437-442. Bucureşti, Editura AGIR, 2007, ISBN 973-8130-82-4, ISBN 978-973-720-122-5.		1.00
69	1	A VI-a Conferinţă Naţională multidisciplinară - cu participare internaţională - „Profesorul Dorin PAVEL – fondatorul hidroenergeticii româneşti”, Sebeș, 2006	2006	Todoruţ, A.; Burnete, N.; Barabás, I. (2006). Utilizarea uleiului alimentar uzat sub formă de combustibil pentru motoarele diesel. În: Ştiinţă şi Inginerie, Vol. 10, pg. 271-274. Bucureşti, Editura AGIR, 2006, ISBN 973-8130-82-4, ISBN 973-720-030-6.		1.00
70	1	A VI-a Conferinţă Naţională multidisciplinară - cu participare internaţională - „Profesorul Dorin PAVEL – fondatorul hidroenergeticii româneşti”, Sebeș, 2006	2006	Todoruţ, A., Barabás, I.; Burnete, N. (2006). Evaluarea gradului de poluare chimică a motorului D-2402.000 alimentat cu combustibili pe bază de ulei de floarea soarelui uzat, comparativ cu motorina. În: Ştiinţă şi Inginerie, Vol. 10, pg. 275-280. Bucureşti, Editura AGIR, 2006, ISBN 973-8130-82-4, ISBN 973-720-030-6.		1.00
71	1	A IV-a Conferinţă Naţională multidisciplinară - cu participare internaţională - „Profesorul Dorin PAVEL – fondatorul hidroenergeticii româneşti”, Sebeș, 2004	2004	Burnete, N.; Barabás, I.; Todoruţ, A.; Varga, B. (2004). Uleiurile vegetale - Combustibilii viitorului? În: Ştiinţă şi Inginerie, Vol. 5, pg. 65-70. Bucureşti, Editura AGIR, 2004, ISBN 973-8130-82-4, ISBN 973-8466-67-9.		1.00

Total	71.00

S **Atragere resurse financiare prin granturi/proiecte/contracte terți**

Nr.crt	Calitatea: director = 1, membru in echipa = 2	Tip proiect *	Titlul proiectului	Perioada de derulare	Valoare totala UTCN** [ech. Euro]	Valoarea alocata membrului in echipa de catre directorul de proiect*** [ech. Euro]	Punctaj individual
1	1	Național	Cercetări privind substituirea parţială a motorinei destinată motoarelor diesel prin amestecuri de biodiesel-motorină-bioetanol. Programul: IDEI, Planul National de Cercetare, Dezvoltare si Inovare - PN II, Tipul proiectului: Proiecte de cercetare exploratorie, Cod proiect: ID_1098, Nr. Contract: 88/01.10.2007, pe trei ani (Oct. 2007 – Dec. 2010).	Oct. 2007 – Dec. 2010	216984	216984	216.98
			Total				216.98

C **Citări în publicații BDI (WOS si Scopus)**

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Nr.Crt.	Date de identificare complete ale articolul citat (se exclud autocitarile)***	Date de identificare complete ale articolelor care citeaza	Anul in care a fost citata lucrarea	Linkul articolului care citeaza	Factorul de impact al publicației WOS în care apare citarea	Punctaj individual
A1	Todoruţ, A.; Cordoș, N.; Barabás, I.; Mureșan, R.D.; Bălcău, Monica (2016). Comparative study on the dynamic behaviour in cornering from different classes of passenger cars, by experimental and simulation methods. Cluj-Napoca, Acta Technica Napocensis, Series: Applied Mathematics, Mechanics, and Engineering, Vol. 59, Issue III, September, 2016, pg. 285-296, Editura U.T.PRESS, ISSN 1221-5872, http://atna-mam.utcluj.ro/index.php/Acta/ article/view/790, http://ip-science.thomsonreuters.com/cgi-bin/jrnlst/jlresults.cgi?PC=MASTER &ISSN=1221-5872; http://apps.webofknowledge.com - Web of Science Core Collection - WOS:000387967500008.	C Iclodean, B Varga, N Burnete, D Cimerdean and B Jurchiş. Comparison of Different Battery Types for Electric Vehicles. IOP Publishing, 2017, IOP Conference Series: Materials Science and Engineering, Volume 252 (2017), 012058, Conference 1, CAR-2017, International Congress of Automotive and Transport Engineering - Mobility Engineering and Environment, Pitesti, Romania, 8-10 November 2017, Editors: Adrian Clenci (University of Pitesti), Ştefan Tabacu (University of Pitesti), doi:10.1088/1757-899X/252/1/012058, http://iopscience.iop.org/article/10.1088/1757-899X/252/1/012058/meta, WOS - http://apps.webofknowledge.com.am.e-nformation.ro/, (C Iclodean et al 2017 IOP Conf. Ser.: Mater. Sci. Eng.	2017	http://iopscience.iop.org/article/10.1088/1757-899X/252/1/012058/meta		1.00
A2	Barabás, I. (2015), Liquid densities and excess molar volumes of ethanol + biodiesel binary system between the temperatures 273.15 K and 333.15 K. Journal of Molecular Liquids, ISSN 0167-7322. 204, pp.95-99.	Dharma, S.; Ong, Hwai Chyuan; Sebayang, A. H.; et al.: An overview of engine durability and compatibility using biodiesel-bioethanol-diesel blends in compression-ignition engines, ENERGY CONVERSION AND MANAGEMENT Volume: 128 Pages: 66-81 Published: NOV 15 2016	2016	https://www.sciencedirect.com/science/article/pii/S0196890416307464	6.377	7.38

		Edson Vanzela, Willian Cézar Nadaleti, Reinaldo Aparecido Bariccatti, Paulo André Cremonez, Eduardo de Rossi, Paulo Belli Filho, Robson Andreazza, Maurizio Silveira Quadro, Samuel Nelson de Souza: Physicochemical properties of ethanol with the addition of biodiesel for use in Otto cycle internal combustion engines: Results and revision, Renewable and Sustainable Energy Reviews, Volume 74, 2017, Pages 1181-1188, ISSN 1364-0321, https://doi.org/10.1016/j.rser.2017.03.053	2017	https://doi.org/10.1016/j.rser.2017.03.053	9.184	10.18
		Fuxin Yang, Xiaopo Wang, Houzhang Tan, Siyuan He, Zhigang Liu: Experimental investigations on the thermophysical properties of methyl myristate in alcoholic solutions, Fuel, Volume 215, 2018, Pages 187-195, ISSN 0016-2361,https://doi.org/10.1016/j.fuel.2017.10.122.	2018	https://doi.org/10.1016/j.fuel.2017.10.122	4.908	5.91
A3	Barabás, I.; Todoruţ, A.; Băldean, D. (2010). Performance and emission characteristics of an CI engine fueled with diesel-biodiesel-bioethanol blends. În: Fuel - The Science and Technology of Fuel and Energy, Volume 89, Issue 12, pg. 3827-3832, December 2010, Published by Elsevier Ltd., ISSN 0016-2361, DOI: 10.1016/j.fuel.2010.07.011, Journal: JFUE, Article Number: 4861, Journal homepage: www.elsevier.com/locate/fuel, http://www.sciencedirect.com/science/article/pii/S0016236110003583, http://dx.doi.org/10.1016/j.fuel.2010.07.011. http://www.scopus.com; http://apps.webofknowledge.com - Web of Science Core Collection - WOS:000282086200027	A.S. Silitonga, H.H. Masjuki, Hwai Chyuan Ong, A.H.Sebayang, S. Dharma, F. Kusumo, J. Siswantoro, Jassinnee Milano, Khairil Daud, T.M.I. Mahlia, Wei-Hsin Chen, Bambang Sugiyanto, Evaluation of the engine performance and exhaust emissions of biodiesel-bioethanol-diesel blends using kernel-based extreme learning machine. In: Energy, ISSN: 0360-5442, Volume 159, 15 September 2018, Pages 1075-1087, https://doi.org/10.1016/j.energy.2018.06.202, https://www.sciencedirect.com/science/article/pii/S0360544218312672	2018	https://doi.org/10.1016/j.energy.2018.06.202, https://www.sciencedirect.com/science/article/pii/S0360544218312672	4.968	5.97

	C2-A3	Hamid Omidvarborna, Mahad Baawain, Abdullah Al-Mamun, Ambient air quality and exposure assessment study of the Gulf Cooperation Council countries: A critical review. In: Science of The Total Environment, Volume 636, ISSN: 0048-9697, 15 September 2018, Pages 437–448, https://doi.org/10.1016/j.scitotenv.2018.04.296, https://www.sciencedirect.com/science/article/pii/S0048969718314748	2018	https://doi.org/10.1016/j.scitotenv.2018.04.296, https://www.sciencedirect.com/science/article/pii/S0048969718314748	4.9	5.90
	C3-A3	Mohamed A. Aissa, Ivona R. Radović, Mirjana Lj Kijevčanin, A systematic study on volumetric and transport properties of binary systems 1-propanol + n-hexadecane, 1-butanol + n-hexadecane and 1-propanol + ethyl oleate at different temperatures: Experimental and modeling. In: Fluid Phase Equilibria, Volume 473, 15 October 2018, Pages 1–16, ISSN: 0378-3812, https://doi.org/10.1016/j.fluid.2018.05.028, https://www.sciencedirect.com/science/article/pii/S0378381218302310	2018	https://doi.org/10.1016/j.fluid.2018.05.028, https://www.sciencedirect.com/science/article/pii/S0378381218302310	2.473	3.47

	C4-A3	Oladapo Martins Adeniyi, Ulugbek Azimov, Alexey Burluka, Algae biofuel: Current status and future applications. Renewable and Sustainable Energy Reviews, Volume 90, July 2018, Pages 316–335, ISSN: 1364-0321, https://doi.org/10.1016/j.rser.2018.03.067, https://www.sciencedirect.com/science/article/pii/S1364032118301552.	2018	https://doi.org/10.1016/j.rser.2018.03.067, https://www.sciencedirect.com/science/article/pii/S1364032118301552	8.05	9.05
	C5-A3	Andrew David Mendes Guedes, Sergio Leal Braga, Florian Pradelle, Performance and combustion characteristics of a compression ignition engine running on diesel-biodiesel-ethanol (DBE) blends – Part 2: Optimization of injection timing. In: Fuel, Volume 225, 1 August 2018, Pages 174–183, ISSN: 0016-2361, https://doi.org/10.1016/j.fuel.2018.02.120, https://www.sciencedirect.com/science/article/pii/S001623611830303X	2018	https://doi.org/10.1016/j.fuel.2018.02.120, https://www.sciencedirect.com/science/article/pii/S001623611830303X	4.601	5.60

	C6-A3	S.S. Hoseini, G. Najafi, B. Ghobadian, R. Mamat, M.T. Ebadi, T. Yusaf, Novel environmentally friendly fuel: The effects of nanographene oxide additives on the performance and emission characteristics of diesel engines fuelled with Ailanthus altissima biodiesel. Renewable Energy, Available online 27 February 2018, ISSN: 0960-1481, https://doi.org/10.1016/j.renene.2018.02.104, https://www.sciencedirect.com/science/article/pii/S0960148118302568	2018	https://doi.org/10.1016/j.renene.2018.02.104, https://www.sciencedirect.com/science/article/pii/S0960148118302568	4.357	5.36
	C7-A3	Logesh, G. and Madhavan, V., "Performance, Combustion and Emission Characteristics of CI Engine Fueled with Sweet Lime Peel Oil (Citrus Limetta)". Journal of Testing and Evaluation, Volume 46, Issue 5 (September 2018), ISSN 0090-3973, https://doi.org/10.1520/JTE20170056, https://www.astm.org/DIGITAL_LIBRARY/JOURNALS/TESTEVAL/PAGES/JTE20170056.htm	2018	https://doi.org/10.1520/JTE20170056, https://www.astm.org/DIGITAL_LIBRARY/JOURNALS/TESTEVAL/PAGES/JTE20170056.htm	0.389	1.39
	C8-A3	Mahalingam, A.; Munuswamy, D.B.; Devarajan, Y.; Radhakrishnan, S., Emission and performance analysis on the effect of exhaust gas recirculation in alcohol-biodiesel aspirated research diesel engine. Environmental Science and Pollution Research, 2018, Springer Berlin Heidelberg, Print ISSN 0944-1344, Online ISSN 1614-7499, DOI https://doi.org/10.1007/s11356-018-1522-4, https://link.springer.com/article/10.1007/s11356-018-1522-4	2018	https://doi.org/10.1007/s11356-018-1522-4, https://link.springer.com/article/10.1007/s11356-018-1522-4	2.741	3.74

	C9-A3	Mert Gülüm, Atilla Bilgin, A comprehensive study on measurement and prediction of viscosity of biodiesel-diesel-alcohol ternary blends. Energy, Available online 3 February 2018, Volume 148, 1 April 2018, Pages 341-361, ISSN: 0360-5442, https://doi.org/10.1016/j.energy.2018.01.123, https://www.sciencedirect.com/science/article/pii/S036054421830152X.	2018	https://doi.org/10.1016/j.energy.2018.01.123, https://www.sciencedirect.com/science/article/pii/S036054421830152X	4.52	5.52
	C10-A3	Harish Venu, M. Dinesh Babu, Improvement of ternary fuel combustion with various injection pressure strategies in a toroidal re-entrant combustion chamber. Environmental Science and Pollution Research, Online ISSN: 1614-7499, Print ISSN: 0944-1344, Publisher: Springer Berlin Heidelberg, November 2018, Volume 25, Issue 32, pp 32024–32043, https://doi.org/10.1007/s11356-018-3174-9, https://link.springer.com/article/10.1007/s11356-018-3174-9, http://apps.webofknowledge.com.am.e-nformation.ro/.	2018	https://doi.org/10.1007/s11356-018-3174-9, https://link.springer.com/article/10.1007/s11356-018-3174-9, http://apps.webofknowledge.com.am.e-nformation.ro/	2.8	3.80

	C11-A3	D. Chaitanya Kumar Rao, S. Syam, Srinibas Karmakar, Ratan Joarder, Experimental investigations on nucleation, bubble growth, and micro-explosion characteristics during the combustion of ethanol/Jet A-1 fuel droplets. Experimental Thermal and Fluid Science, ISSN: 0894-1777, Volume 89, December 2017, Pages 284–294, https://doi.org/10.1016/j.expthermflusci.2017.08.025, http://www.sciencedirect.com/science	2017	https://doi.org/10.1016/j.expthermflusci.2017.08.025, http://www.sciencedirect.com/science/article/pii/S0894177717302571	2.83	3.83
	C12-A3	Florian Pradelle, Sergio Leal Braga, Ana Rosa Fonseca de Aguiar Martins, Franck Turkovics, Renata Nohra Chaar Pradelle, Stabilization of diesel–biodiesel–ethanol (DBE) blends: formulation of an additive from renewable sources. Journal of the Brazilian Society of Mechanical Sciences and Engineering, September 2017, Volume 39, Issue 9, pp 3277–3293, doi:10.1007/s40430-017-0862-1, ISSN: 1678-5878 (Print) 1806-3691 (Online), Publisher Springer Berlin Heidelberg, https://link.springer.com/article/10.1007/s40430-017-0862-1	2017	https://link.springer.com/article/10.1007/s40430-017-0862-1	0.239	1.24

	C13-A3	M.S.M. Zaharin, N.R. Abdullah, G. Najafi, H. Sharudin , T. Yusaf, Effects of physicochemical properties of biodiesel fuel blends with alcohol on diesel engine performance and exhaust emissions: A review. In: Renewable and Sustainable Energy Reviews, Volume 79, November 2017, Pages 475–493, ISSN: 1364-0321, https://doi.org/10.1016/j.rser.2017.05.035, http://www.sciencedirect.com/science/article/pii/S136403211730669X	2017	https://doi.org/10.1016/j.rser.2017.05.035, http://www.sciencedirect.com/science/article/pii/S136403211730669X	6.798	7.80
	C14-A3	Zhiwei Wang, Tingzhou Lei, Lu Lin, Miao Yang, Zaifeng Li, Xiaofei Xin, Tian Qi, Xiaofeng He, Jie Shi, and Xiaoyu Yan, Comparison of the Physical and Chemical Properties, Performance, and Emissions of Ethyl Levulinate–Biodiesel–Diesel and n-Butanol–Biodiesel–Diesel Blends. In: Energy & Fuels, 2017, 31 (5), pp 5055–5062, Print Edition ISSN: 0887-0624, Web Edition ISSN: 1520-5029, DOI: 10.1021/acs.energyfuels.6b02851, Publication Date (Web): March 28, 2017, http://pubs.acs.org/doi/abs/10.1021/acs.energyfuels.6b02851		http://pubs.acs.org/doi/abs/10.1021/acs.energyfuels.6b02851	2.835	0.00

	C15-A3	Esmail Khalife, Meisam Tabatabaei, Ayhan Demirbas, Mortaza Aghbashlo, Impacts of additives on performance and emission characteristics of diesel engines during steady state operation. Progress in Energy and Combustion Science, Volume 59, March 2017, Pages 32–78, ISSN: 0360-1285, http://dx.doi.org/10.1016/j.pecs.2016.10.001, http://www.sciencedirect.com/science/article/pii/S036012851630003X.	2017	http://dx.doi.org/10.1016/j.pecs.2016.10.001, http://www.sciencedirect.com/science/article/pii/S036012851630003X	16.784	17.78
	C16-A3	Harish Venu, Venkataramanan Madhavan, Influence of diethyl ether (DEE) addition in ethanol-biodiesel-diesel (EBD) and methanol-biodiesel-diesel (MBD) blends in a diesel engine. Fuel, Volume 189, 1 February 2017, Pages 377–390, ISSN: 0016-2361, Elsevier, http://dx.doi.org/10.1016/j.fuel.2016.10.101, http://www.sciencedirect.com/science/article/pii/S001623611631064X.	2017	http://dx.doi.org/10.1016/j.fuel.2016.10.101, http://www.sciencedirect.com/science/article/pii/S001623611631064X	4.601	5.60
	C17-A3	F. Aydın, H. Öğüt, Effects of using ethanol-biodiesel-diesel fuel in single cylinder diesel engine to engine performance and emissions. Renewable Energy, Volume 103, April 2017, Pages 688–694, Elsevier, ISSN: 0960-1481, http://dx.doi.org/10.1016/j.renene.2016.10.083, http://www.sciencedirect.com/science/article/pii/S0960148116309600.	2017	http://dx.doi.org/10.1016/j.renene.2016.10.083, http://www.sciencedirect.com/science/article/pii/S0960148116309600	3.404	4.40

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	C19-A3	Harish Venu, Venkataramanan Madhavan, Effect of diethyl ether and Al2O3 nano additives in diesel-biodiesel-ethanol blends: Performance, combustion and emission characteristics. Journal of Mechanical Science and Technology, January 2017, Volume 31, Issue 1, pp 409–420, ISSN: 1738-494X (Print) 1976-3824 (Online), DOI: 10.1007/s12206-016-1243-x, http://link.springer.com/article/10.100	2017	http://link.springer.com/article/10.1007/s12206-016-1243-x	0.761	1.76
	C20-A3	Soroush Soltani, Umer Rashid, Saud Ibrahim Al-Resayes, Imededdine Arbi Nehdi, Sulfonated mesoporous ZnO catalyst for methyl esters production. Journal of Cleaner Production, Volume 144, 15 February 2017, Pages 482–491, ISSN: 0959-6526, http://dx.doi.org/10.1016/j.jclepro.2016.12.128, http://www.sciencedirect.com/science/article/pii/S0959652616321916, https://www-scopus-com.am.e-nformation.ro/	2017	http://dx.doi.org/10.1016/j.jclepro.2016.12.128, http://www.sciencedirect.com/science/article/pii/S0959652616321916	4.959	5.96

	C21-A3	S. Dharma, Hwai Chyuan Ong, H.H. Masjuki, A.H. Sebayang, A.S. Silitonga, An overview of engine durability and compatibility using biodiesel–bioethanol–diesel blends in compression-ignition engines. In: Energy Conversion and Management, Volume 128, 15 November 2016, Pages 66–81, ISSN: 0196-8904, http://dx.doi.org/10.1016/j.enconman.2016.08.072, http://www.sciencedirect.com/science/article/pii/S0196890416307464	2016	http://dx.doi.org/10.1016/j.enconman.2016.08.072, http://www.sciencedirect.com/science/article/pii/S0196890416307464	4.801	5.80
	C22-A3	Guo, Shuman; Yang, Zhenzhong; Gao, Yuguo, Effect of Adding Biodiesel to Diesel on the Physical and Chemical Properties and Engine Performance of Fuel Blends. Journal of Biobased Materials and Bioenergy, Volume 10, Number 1, February 2016, pp. 34-43(10), ISSN: 1556-6560 (Print); EISSN: 1556-6579 (Online), Publisher: American Scientific Publishers, DOI: http://dx.doi.org/10.1166/jbmb.2016.1566, http://www.ingentaconnect.com/contentone/asp/jbmb/2016/00000010/00000001/art00005#expand/collapse	2016	http://dx.doi.org/10.1166/jbmb.2016.1566, http://www.ingentaconnect.com/contentone/asp/jbmb/2016/00000010/00000001/art00005#expand/collapse	0.653	1.65
	C23-A3	Thapanee Bangjang, Amaraporn Kaewchada, and Attasak Jaree, Modified Diesohol Using Distilled Cashew Nut Shell Liquid and Biodiesel. Energy & Fuels, DOI: 10.1021/acs.energyfuels.6b01188, Print Edition ISSN: 0887-0624, Web Edition ISSN: 1520-5029, Publication Date (Web): August 29, 2016, American Chemical Society, http://pubs.acs.org/doi/abs/10.1021/acs.energyfuels.6b01188	2016	http://pubs.acs.org/doi/abs/10.1021/acs.energyfuels.6b01188	2.835	3.84

	C24-A3	Harish Venu, Venkataramanan Madhavan, Effect of Al2O3 nanoparticles in biodiesel-diesel-ethanol blends at various injection strategies: Performance, combustion and emission characteristics. Fuel, Volume 186, 15 December 2016, Pages 176–189, ISSN: 0016-2361, http://dx.doi.org/10.1016/j.fuel.2016.08.046, http://www.sciencedirect.com/science/article/pii/S0016236116307840	2016	http://dx.doi.org/10.1016/j.fuel.2016.08.046, http://www.sciencedirect.com/science/article/pii/S0016236116307840	3.611	4.61
	C25-A3	Beatriz S. Amaral, Luciana M. B. Ventura, Ariane S. Amaral, Francisco R. A. Netoc, and Adriana Gioda, Concentration Profiles of Regulated and Unregulated Pollutants Emitted from the Combustion of Soybean Biodiesel and Diesel/Biodiesel Blend Originating of a Diesel Cycle Engine. In: Journal Of The Brazilian Chemical Society (J. Braz. Chem. Soc.), Vol. 00, No. 00, 1-10, 2016, vol.28 no.4 São Paulo Apr. 2017, Online version ISSN 1678-4790, Printed version ISSN 0103-5053, Printed in Brazil - ©2016 Sociedade Brasileira de Química 0103 - 5053 $6.00+0.00, http://dx.doi.org/10.21577/0103-5053.20160216, http://jbcs.sbq.org.br/imagebank/pdf/160143AR.pdf, http://www.scielo.br/scielo.php?pid=S0103-50532017000400659&script=sci_arttext.	2016	http://dx.doi.org/10.21577/0103-5053.20160216, http://jbcs.sbq.org.br/imagebank/pdf/160143AR.pdf, http://www.scielo.br/scielo.php?pid=S0103-50532017000400659&script=sci_arttext	1.129	2.13

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	C27-A3	M.J. Abedin, A. Imran , H.H. Masjuki, M.A. Kalam, S.A. Shahir, M. Varman, A.M. Ruhul, An overview on comparative engine performance and emission characteristics of different techniques involved in diesel engine as dual-fuel engine operation. În: Renewable and Sustainable Energy Reviews, Volume 60, July 2016, Pages 306–316, ISSN: 1364-0321, doi:10.1016/j.rser.2016.01.118, http://www.sciencedirect.com/science/article/pii/S1364032116001489.	2016	http://www.sciencedirect.com/science/article/pii/S1364032116001489	5.901	6.90
	C28-A3	Ambarish Datta, Bijan Kumar Mandal, Numerical investigation of the performance and emission parameters of a diesel engine fuelled with diesel - biodiesel - methanol blends. In: Journal of Mechanical Science and Technology, April 2016, Volume 30, Issue 4, pp 1923-1929, First online: 13 April 2016, ISSN: 1738-494X (print version), ISSN: 1976-3824 (electronic version), DOI: 10.1007/s12206-016-0351-y, http://link.springer.com/article/10.1007/s12206-016-0351-y.	2016	http://link.springer.com/article/10.1007/s12206-016-0351-y	0.840	1.84

	C29-A3	Andrés Pina-Martinez, Niramol Juntarachat, Romain Privat, Lucie Coniglio, Michel Molière, Jean-Noël Jaubert, Design of Hybrid Fuels Using a Modeling Study of the Miscibility of Ethanol–Biodiesel–Hydrocarbon Systems. În: JETC 2015: 13th Joint European, Thermodynamics Conference, Special Issue International Journal of Thermophysics, ISSN: 0195-928X (Print) 1572-9567 (Online), February 2016, 37:23, DOI: 10.1007/s10765-015-2032-y, Publisher Springer International Publishing, 2016, http://link.springer.com/article/10.1007/s10765-015-2032-y.	2016	http://link.springer.com/article/10.1007/s10765-015-2032-y	0.963	1.96
	C30-A3	M. Mofijur, M.G. Rasul, J. Hyde, A.K. Azad, R. Mamat, M.M.K. Bhuiya, Role of biofuel and their binary (diesel–biodiesel) and ternary (ethanol–biodiesel–diesel) blends on internal combustion engines emission reduction. În: Renewable and Sustainable Energy Reviews, Volume 53, January 2016, Pages 265–278, ISSN: 1364-0321, doi:10.1016/j.rser.2015.08.046, http://www.sciencedirect.com/science/article/pii/S1364032115009090.	2016	http://www.sciencedirect.com/science/article/pii/S1364032115009090	5.901	6.90

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	C32-A3	Abhishek Paul , Raj Sekhar Panua, Durbadal Debroy, Probir Kumar Bose, An experimental study of the performance, combustion and emission characteristics of a CI engine under dual fuel mode using CNG and oxygenated pilot fuel blends. În: Energy, 2015, ISSN: 0360-5442, doi:10.1016/j.energy.2015.04.050, Available online 15 May 2015, http://www.sciencedirect.com/science/article/pii/S0360544215005058.	2015	http://www.sciencedirect.com/science/article/pii/S0360544215005058	4.159	5.16

	C33-A3	S.A. Shahir, H.H. Masjuki, M.A. Kalam, A. Imran, A.M. Ashraful, Performance and emission assessment of diesel–biodiesel–ethanol/bioethanol blend as a fuel in diesel engines: A review. În: Renewable and Sustainable Energy Reviews, Volume 48, August 2015, Pages 62–78, ISSN: 1364-0321, doi:10.1016/j.rser.2015.03.049, http://www.sciencedirect.com/science/article/pii/S1364032115002026#.	2015	http://www.sciencedirect.com/science/article/pii/S1364032115002026#	5.51	6.51
	C34-A3	Mert Gülüm, Atilla Bilgin, Density, flash point and heating value variations of corn oil biodiesel–diesel fuel blends. Fuel Processing Technology, Volume 134, June 2015, Pages 456–464, doi:10.1016/j.fuproc.2015.02.026, ISSN: 0378-3820, http://www.sciencedirect.com/science/article/pii/S0378382015001009.	2015	http://www.sciencedirect.com/science/article/pii/S0378382015001009	3.019	4.02
	C35-A3	Aydogan, H., PERFORMANCE, EMISSION AND COMBUSTION CHARACTERISTICS OF BIOETHANOL-BIODIESEL-DIESEL FUEL BLENDS USED IN A COMMON RAIL DIESEL ENGINE. ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, Volume: 35, Issue: 2, Pages: 19-27, Published: 2015, ISSN: 1300-3615, WOS - http://apps.webofknowledge.com.am.e-nformation.ro/.	2015	http://apps.webofknowledge.com.am.e-nformation.ro/	0.422	1.42

	C36-A3	Abhishek Paul, Rajsekhar Panua, Durbadal Debroy and Probir Kumar Bose, A performance-emission tradeoff study of a CI engine fueled by compressed natural gas (CNG)/diesel–ethanol-PPME blend combination. Environmental Progress & Sustainable Energy, Online ISSN: 1944-7450, Print ISSN: 1944-7442, Article first published online: 18 AUG 2015, Volume: 35, Issue: 2, Pages: 517-530, DOI: 10.1002/ep.12223, American Institute of Chemical Engineers Environ Prog. 2015, http://onlinelibrary.wiley.com/doi/10.1002/ep.12223/full.	2015	http://onlinelibrary.wiley.com/doi/10.1002/ep.12223/full	1.403	2.40
	C37-A3	Nadir Yilmaz , Franscisco M. Vigil, A. Burl Donaldson, Tariq Darabseh, Investigation of CI engine emissions in biodiesel–ethanol–diesel blends as a function of ethanol concentration. Fuel, Volume 115, January 2014, Pages 790–793, ISSN: 0016-2361, http://dx.doi.org/10.1016/j.fuel.2013.08.012, http://www.sciencedirect.com/science/article/pii/S0016236113007394#.	2014	http://dx.doi.org/10.1016/j.fuel.2013.08.012 , http://www.sciencedirect.com/science/article/pii/S0016236113007394#	3.406	4.41
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A5	Barabás, I.; Todoruţ, A. (2009). Key Fuel Properties of Biodiesel-diesel fuel-ethanol Blends. În: SAE2009 International Powertrains, Fuels and Lubricants Meeting, June 15-17, Florence, Italy. Session: Alternative and Advanced Fuels. Paper Identification Number: 09SFL-0256_2009-01-1810, ISSN 0148-7191, DOI: 10.4271/2009-01-1810. http://www.sae.org/technical/papers/2009-01-1810; http://papers.sae.org/2009-01-1810, http://www.scopus.com.	Felipe Fernandes Klajn, Flávio Gurgacz, Anderson Miguel Lenz, Giuseppe Eugenio Peruzo Iacono, Samuel Nelson Melegari de Souza & Yuri Ferruzzi, Comparison of the emissions and performance of ethanol-added diesel–biodiesel blends in a compression ignition engine with those of pure diesel. In: Journal Environmental Technology, Print ISSN: 0959-3330 Online ISSN: 1479-487X, Taylor & Francis, Received 05 Mar 2018, Accepted 18 Jul 2018, Accepted author version posted online: 23 Jul 2018, Published online: 01 Aug 2018, https://doi.org/10.1080/09593330.2018.1504122, https://www.tandfonline.com/doi/abs/10.1080/09593330.2018.1504122.	2018	https://doi.org/10.1080/09593330.2018.1504122, https://www.tandfonline.com/doi/abs/10.1080/09593330.2018.1504122	1.666	2.67

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	C8-A5	Fazal, M.A., Haseeb, A.S.M.A., Masjuki, H.H., Degradation of automotive materials in palm biodiesel. Energy, Volume 40, Issue 1, April 2012, Pages 76-83, ISSN: 0360-5442, Imprint: ELSEVIER, DOI: 10.1016/j.energy.2012.02.026, http://dx.doi.org/10.1016/j.energy.2012.02.026, How to Cite or Link Using DOI, http://www.sciencedirect.com/science/article/pii/S0360544212001211.	2012	http://dx.doi.org/10.1016/j.energy.2012.02.026, How to Cite or Link Using DOI, http://www.sciencedirect.com/science/article/pii/S0360544212001211	3.651	4.65

	C9-A5	R.D. Misra and M.S. Murthy, Blending of additives with biodiesels to improve the cold flow properties, combustion and emission performance in a compression ignition engine—A review. Renewable and Sustainable Energy Reviews, Volume 15, Issue 5, June 2011, Pages 2413-2422, ISSN: 1364-0321, Imprint: ELSEVIER, doi:10.1016/j.rser.2011.02.023, Key: citeulike:9150268, http://www.citeulike.org/article/9150268, http://www.sciencedirect.com/science/article/pii/S1364032111000657.	2011	http://www.citeulike.org/article/9150268, http://www.sciencedirect.com/science/article/pii/S1364032111000657, doi:10.1016/j.rser.2011.02.023	6.018	7.02
	C10-A5	Vara Prasad U. SATYA, K. Madhu MURTHY, and Gaddale Amba Prasad RAO, Effective utilization of B20 blend with diethyl ether and ethanol as oxygenated additives (Effective Utilization of B20 Blend with Oxygenated Additives). THERMAL SCIENCE - International Scientific Journal, 2011, Volume 15, Issue 4, Pages: 1175-1184, ISSN: 0354-9836, Publisher: VINČA Institute of Nuclear Sciences, DOI:10.2298/TSCI110513093U, http://www.doiserbia.nb.rs/Article.aspx?id=0354-98361100093U#.VN4_yZDTnDc, http://www.doiserbia.nb.rs/img/doi/0354-9836/2011/0354-98361100093U.pdf, http://scindeks.ceon.rs/article.aspx?artid=0354-98361104175S.	2011	http://www.doiserbia.nb.rs/Article.aspx?id=0354-98361100093U#.VN4_yZDTnDc, http://www.doiserbia.nb.rs/img/doi/0354-9836/2011/0354-98361100093U.pdf, http://scindeks.ceon.rs/article.aspx?artid=0354-98361104175S, DOI:10.2298/TSCI110513093U	0.779	1.78

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	C12-A5	Máté Zöldy, ETHANOL–BIODIESEL–DIESEL BLENDS AS A DIESEL EXTENDER OPTION ON COMPRESSION IGNITION ENGINES. Transport; Volume 26, Issue 3, 2011, pages 303-309; Available online: 05 Oct 2011, ISSN: 1648-4142 (Print); 1648-3489 (Online), DOI: 10.3846/16484142.2011.623824, http://www.tandfonline.com/doi/abs/10.3846/16484142.2011.623824, WOS - http://apps.webofknowledge.com.am.e-nformation.ro/, http://www.scopus.com/.	2011	http://www.tandfonline.com/doi/abs/10.3846/16484142.2011.623824, WOS - http://apps.webofknowledge.com.am.e-nformation.ro/, http://www.scopus.com/	1.267	2.27

	C13-A5	Magin Lapuerta, Reyes Garcia-Contreras, John R. Agudelo, Lubricity of Ethanol-Biodiesel-Diesel Fuel Blends. Energy & Fuels 2010 24 (2), 1374-1379. doi: 10.1021/ef901082k. (ENERG FUEL) ISSN: 0887-0624. http://pubs.acs.org/doi/abs/10.1021/ef901082k; http://cat.inist.fr/?aModele=afficheN&cpsidt=22447043.	2010	http://pubs.acs.org/doi/abs/10.1021/ef901082k; http://cat.inist.fr/?aModele=afficheN&cpsidt=22447043	2.444	3.44
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	C15-A5	S. Madiwale; A. Karthikeyan; V. Bhojwani, Properties investigation and performance analysis of a diesel engine fuelled with Jatropha, Soybean, Palm and Cottonseed biodiesel using Ethanol as an additive. PMME 2016, Science Direct, Materials Today: Proceedings, Elsevier, http://www.sciencedirect.com, http://www.materialstoday.com/proceedings, http://www.pmme.co.in/papers/EMT-169.pdf (Indexed in Scopus (Elsevier) and the CPCI (Thomson Reuters, Web of Science)), https://www-scopus-com.am.e-nformation.ro/.	2016	http://www.sciencedirect.com, http://www.materialstoday.com/proceedings, http://www.pmme.co.in/papers/EMT-169.pdf, https://www-scopus-com.am.e-nformation.ro/		1.00

	C16-A5	Puschmann, H., Diezemann, M., and Mueller, S., "Influence of Innovative Diesel-Ethanol Blend on Combustion, Emission and Fuel-Carrying Components," SAE Int. J. Fuels Lubr. 6(3):852-862, 2013, ISSN 1946-3952, https://doi.org/10.4271/2013-01-2696, https://www-scopus-com.am.e-nformation.ro/.	2013	https://doi.org/10.4271/2013-01-2696, https://www-scopus-com.am.e-nformation.ro/		1.00
	C17-A5	M. Al-Hassan, H. Mujafet and M. Al-Shannag, An Experimental Study on the Solubility of a Diesel-Ethanol Blend and on the Performance of a Diesel Engine Fueled with Diesel-Biodiesel - Ethanol Blends. JJMIE - Jordan Journal of Mechanical and Industrial Engineering, Volume 6, Number 2, April 2012 ISSN 1995-6665 Pages 147-153, http://jjmie.hu.edu.jo/files/v6n2/JJMIE-168-10.pdf, https://www-scopus-com.am.e-nformation.ro/.	2012	http://jjmie.hu.edu.jo/files/v6n2/JJMIE-168-10.pdf, https://www-scopus-com.am.e-nformation.ro/		1.00

	C18-A5	Lee, P.-I., Matsumoto, A., Zheng, Y., Xie, X., Lai, M.-C., The spray and engine combustion performance of ethanol-biodiesel fuel blends (Conference Paper). American Society of Mechanical Engineers, Internal Combustion Engine Division (Publication) ICE 2011, Pages 167-176, ISSN: 10665048, ISBN: 978-079184442-7, CODEN: AMEIE, Source Type: Conference Proceeding, DOI: 10.1115/ICEF2011-60073, Document Type: Conference Paper, ASME 2011 Internal Combustion Engine Division Fall Technical Conference, ICEF 2011; Morgantown, WV; United States; 2 October 2011 through 5 October 2011; Code 90599, https://www-scopus-com.am.e-nformation.ro/.	2011	https://www-scopus-com.am.e-nformation.ro/, DOI:10.1115/ICEF2011-60073		1.00
A6	Barabás, I.; Todoruț, I.-A. (2011). Biodiesel Quality, Standards and Properties. In: Biodiesel- Quality, Emissions and By-Products, Gisela Montero and Margarita Stoytcheva (Ed.), ISBN: 978-953-307-784-0, InTech, Rijeka, DOI: 10.5772/25370, Chapter 1, pp. 3-28, Available from: http://www.intechopen.com/books/biodiesel-quality-emissions-and-by-products/biodiesel-quality-standards-and-properties; http://apps.webofknowledge.com - Web of Science Core Collection - WOS:000385799400002.	Omama Kamoun, Ines Ayadi, Mohamed Guerfali, Hafedh Belghith, Ali Gargouri, Hèla Trigui-Lahiani, Fusarium verticillioides as a single-cell oil source for biodiesel production and dietary supplements. In: Process Safety and Environmental Protection, Volume 118, August 2018, Pages 68-78, ISSN: 0957-5820, https://doi.org/10.1016/j.psep.2018.06.027, https://www.sciencedirect.com/science/article/pii/S0957582018303689	2018	https://doi.org/10.1016/j.psep.2018.06.027, https://www.sciencedirect.com/science/article/pii/S0957582018303689	2.551	3.55

	C2-A6	Mariana S. Alvarez Serafini; Deborath M. Reinoso; Gabriela M. Tonetto, Response surface study and kinetic modelling of biodiesel synthesis catalyzed by zinc stearate. Energy, ISSN: 0360-5442, Available online 25 August 2018, In Press, Accepted Manuscript, https://doi.org/10.1016/j.energy.2018.08.182, https://www.sciencedirect.com/science/article/pii/S0360544218317183.	2018	https://doi.org/10.1016/j.energy.2018.08.182, https://www.sciencedirect.com/science/article/pii/S0360544218317183	4.968	5.97
	C3-A6	György Szabados, Ákos Bereczky, Experimental investigation of physicochemical properties of diesel, biodiesel and TBK-biodiesel fuels and combustion and emission analysis in CI internal combustion engine. In: Renewable Energy, Volume 121, June 2018, Pages 568-578, ISSN: 0960-1481, https://doi.org/10.1016/j.renene.2018.01.048, https://www.sciencedirect.com/science/article/pii/S096014811830048X.	2018	https://doi.org/10.1016/j.renene.2018.01.048, https://www.sciencedirect.com/science/article/pii/S096014811830048X	4.9	5.90
	C4-A6	Sinan Erdogan and Cenk Sayin, Selection of the Most Suitable Alternative Fuel Depending on the Fuel Characteristics and Price by the Hybrid MCDM Method. In: Sustainability 2018, 10(5), 1583; doi:10.3390/su10051583, ISSN: 2071-1050, Received: 16 April 2018 / Accepted: 14 May 2018 / Published: 15 May 2018, http://www.mdpi.com/2071-1050/10/5/1583/htm	2018	http://www.mdpi.com/2071-1050/10/5/1583/htm	1.789	2.79

	C5-A6	Sashi Sonkar, Nirupama Mallick, An alternative strategy for enhancing lipid accumulation in chlorophycean microalgae for biodiesel production. Journal of Applied Phycology, Springer Netherlands, 2018, Print ISSN: 0921-8971, Online ISSN: 1573-5176, DOI: https://doi.org/10.1007/s10811-018-1419-0, https://link.springer.com/article/10.1007/s10811-018-1419-0#citeas.	2018	https://doi.org/10.1007/s10811-018-1419-0, https://link.springer.com/article/10.1007/s10811-018-1419-0#citeas	2.616	3.62
	C6-A6	Muhammad Aamir Bashir, Myat Thiri, Xiaoyi Yang, Yunan Yang, A.M. Safdar, Purification of biodiesel via pre-washing of transesterified waste oil to produce less contaminated wastewater. Journal of Cleaner Production, ISSN: 0959-6526, Available online 18 January 2018, https://doi.org/10.1016/j.jclepro.2018.01.126, https://www.sciencedirect.com/science/article/pii/S0959652618301483.	2018	https://doi.org/10.1016/j.jclepro.2018.01.126, https://www.sciencedirect.com/science/article/pii/S0959652618301483	5.715	6.72
	C7-A6	Antonyraj Matharasi Perianaika Anahas, Gangatharan Muralitharan, Characterization of heterocystous cyanobacterial strains for biodiesel production based on fatty acid content analysis and hydrocarbon production. Energy Conversion and Management, Volume 157, 1 February 2018, Pages 423-437, ISSN: 0196-8904, https://doi.org/10.1016/j.enconman.2017.12.012, https://www.sciencedirect.com/science/article/pii/S0196890417311639.	2018	https://doi.org/10.1016/j.enconman.2017.12.012, https://www.sciencedirect.com/science/article/pii/S0196890417311639	5.589	6.59

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	C9-A6	Hoora Mazaheri, Hwai Chyuan Ong, H.H. Masjuki, Zeynab Amini, Mark D. Harrison, Chin-TsanWang, Fitranto Kusumo, Azham Alwi, Rice bran oil based biodiesel production using calcium oxide catalyst derived from Chicoreus brunneus shell. Energy, Volume 144, 1 February 2018, Pages 10-19, ISSN: 0360-5442, https://doi.org/10.1016/j.energy.2017.11.073, http://www.sciencedirect.com/science/article/pii/S036054421731931X.	2018	https://doi.org/10.1016/j.energy.2017.11.073, http://www.sciencedirect.com/science/article/pii/S036054421731931X	4.520	5.52
	C10-A6	Saliha Erenturk, Özlem Korkut, Effectiveness of activated mistalea (Viscum album L.) as a heterogeneous catalyst for biodiesel partial hydrogenation. Renewable Energy, Volume 117, March 2018, Pages 374-379, ISSN: 0960-1481, https://doi.org/10.1016/j.renene.2017.10.092, http://www.sciencedirect.com/science/article/pii/S0960148117310601.	2018	https://doi.org/10.1016/j.renene.2017.10.092, http://www.sciencedirect.com/science/article/pii/S0960148117310601	4.357	5.36

	C11-A6	Shahzadi, I., Sadaf, S., Iqbal, J., Ullah, I. and Bhatti, H. N. (2017), Evaluation of mustard oil for the synthesis of biodiesel: Pretreatment and optimization study. Environ. Prog. Sustainable Energy. doi:10.1002/ep.12833, Print ISSN: 1944-7442, Online ISSN: 1944-7450.	2017	doi:10.1002/ep.12833	1.672	2.67
	C12-A6	Indika Thushari and Sandhya Babel, Biodiesel production from waste palm oil using palm empty fruit bunch derived novel carbon acid catalyst. Journal of Energy Resources Technology - Transactions of the ASME (the American Society of Mechanical Engineers Digital Collection), 2017, doi:10.1115/1.4038380, ISSN:0195-0738, eISSN:1528-8994, http://energyresources.asmedigitalcollection.asme.org/article.aspx?articleid=2663018.	2017	http://energyresources.asmedigitalcollection.asme.org/article.aspx?articleid=2663018, doi:10.1115/1.4038380,	1.674	2.67
	C13-A6	Nuria Alburquerque, Roque Carlos García-Almodóvar, Juan Miguel Valverde, Lorenzo Burgos, Domingo Martínez-Romero, Characterization of Jatropha curcas accessions based in plant growth traits and oil quality. In: Industrial Crops and Products, Volume 109, 15 December 2017, Pages 693–698, ISSN: 0926-6690, Elsevier, https://doi.org/10.1016/j.indcrop.2017.09.019, http://www.sciencedirect.com/science/article/pii/S0926669017306179.	2017	https://doi.org/10.1016/j.indcrop.2017.09.019, http://www.sciencedirect.com/science/article/pii/S0926669017306179	3.181	4.18

	C14-A6	El-Sayed Salama, Byong-Hun Jeon, Soon Woong Chang, Sang-hun Lee, Hyun-Seog Roh, Il-Seung Yang, Mayur B. Kurade, Marwa M. El-Dalatony, Do-Hyeon Kim, Ki-Hyun Kim, Interactive effect of indole-3-acetic acid and diethyl aminoethyl hexanoate on the growth and fatty acid content of some microalgae for biodiesel production. Journal of Cleaner Production, Available online 6 September 2017, Volume 168, 1 December 2017, ISSN: 0959-6526, https://doi.org/10.1016/j.jclepro.2017.09.057, http://www.sciencedirect.com/science/article/pii/S0959652617320462.	2017	ttps://doi.org/10.1016/j.jclepro.2017.09.057, http://www.sciencedirect.com/science/article/pii/S0959652617320462	5.715	6.72
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	C16-A6	Bharti, Randhir K, Dolly Wattal Dhar, Radha Prasanna & A.K. Saxena, Assessment of biomass and lipid productivity and biodiesel quality of an indigenous microalga Chlorella sorokiniana MIC-G5. International Journal of Green Energy, 2017, Print ISSN: 1543-5075, Online ISSN: 1543-5083, http://dx.doi.org/10.1080/15435075.2017.1351368, http://www.tandfonline.com/doi/abs/10.1080/15435075.2017.1351368?journalCode=ljge20.	2017	http://dx.doi.org/10.1080/15435075.2017.1351368, http://www.tandfonline.com/doi/abs/10.1080/15435075.2017.1351368?journalCode=ljge20	1.454	2.45
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	C33-A6	Zeng, Dan; Li, Ruosong; Feng, Mingjun; Fang, Tao, Continuous Esterification of Free Fatty Acids in Crude Biodiesel by an Integrated Process of Supercritical Methanol and Sodium Methoxide Catalyst. În: Applied Biochemistry and Biotechnology, October 2014, Volume 174, Issue 4, pp 1484-1495, ISSN: 0273-2289, E-ISSN: 1559-0291, Publisher Springer US, http://dx.doi.org/10.1007/s12010-014-1133-6, http://link.springer.com.ux4ll8xu6v.useaccesscontrol.com/article/10.1007%2Fs12010-014-1133-6, http://www.ncbi.nlm.nih.gov/pubmed/25119550, http://search.proquest.com.ux4ll8xu6v.useaccesscontrol.com/pqcentral/docview/1566106788/5E8BF0AB7AA6CB7PQ/30?accountid=15533	2014	http://dx.doi.org/10.1007/s12010-014-1133-6, http://link.springer.com.ux4ll8xu6v.useaccesscontrol.com/article/10.1007%2Fs12010-014-1133-6, http://www.ncbi.nlm.nih.gov/pubmed/25119550, http://search.proquest.com.ux4ll8xu6v.useaccesscontrol.com/pqcentral/docview/1566106788/5E8BF0AB7AA6CB7PQ/30?accountid=15533	1.687	2.69

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TOTAL	**758.86**