

## LISTA CU LUCRĂRI ȘI ACTIVITĂȚI ȘTIINȚIFICE

Cadru didactic: **Dumitru Ilie**

Funcția: **Profesor universitar dr. ing. habil.**

### Activitatea didactică și profesională (A1)

Cărți și capitole în cărți de specialitate

Cărți/Capitole ca autor în edituri naționale sau internaționale

#### Naționale

Nr. crt	Descriere
1.	Otat Oana, <b>Dumitru I.</b> , Otat Victor, Expertiza tehnică a accidentelor de circulație, Editura Universitaria, I.S.B.N. 978-606-14-1500-7, Craiova, 2019.
2.	Rosca, A., <b>Dumitru, I.</b> , Aplicații de proiectare în ingineria automobilelor. Mecanismul motor, Editura Universitaria, ISBN 978-606-14-1136-8, Craiova, 2016
3.	<b>Dumitru, I.</b> , Motoare pentru automobile și tractoare. Metode moderne de optimizare a parametrilor energetici ai motoarelor Diesel cu injecție directă, Craiova, Editura Universitaria, ISBN: 973-8043-85-9, Craiova, 188 pg, 2008, Craiova; cota BNR; <a href="http://alephnew.bibnat.ro:8991/F/YRCDNVYD4RBXATXHSQCLGI2HPSBA7F2II1E7K7BEAQRXV2RGF8-02425?func=full-set-set&amp;set_number=001559&amp;set_entry=000014&amp;format=999">http://alephnew.bibnat.ro:8991/F/YRCDNVYD4RBXATXHSQCLGI2HPSBA7F2II1E7K7BEAQRXV2RGF8-02425?func=full-set-set&amp;set_number=001559&amp;set_entry=000014&amp;format=999</a>
4.	Otat, V., <b>Dumitru, I.</b> , Echipamente si tehnici de diagnosticare a autovehiculelor, Editura Universitaria, ISBN. 978-973-742-640-6 , Craiova,182 pg., 2007;
5.	<b>Dumitru, I.</b> , Trafic rutier si siguranta circulatiei. Craiova, Editura Universitaria, 149 pg, ISBN: 973-742-380-1, 978-973 -742-380-1, Craiova, An 2006; CZU 656.1.05, cota BNR II 514362– sediul central, <a href="http://alephnew.bibnat.ro:8991/F/YRCDNVYD4RBXATXHSQCLGI2HPSBA7F2II1E7K7BEAQRXV2RGF8-02431?func=full-set-set&amp;set_number=001559&amp;set_entry=000017&amp;format=999">http://alephnew.bibnat.ro:8991/F/YRCDNVYD4RBXATXHSQCLGI2HPSBA7F2II1E7K7BEAQRXV2RGF8-02431?func=full-set-set&amp;set_number=001559&amp;set_entry=000017&amp;format=999</a>
6.	Vladut V., Biris, S., Paraschiv, G., <b>Dumitru I.</b> , Boruz, Badescu, Reglementări naționale și internaționale privind admiterea în circulație pe drumurile publice din România a agregatului tractor – mașină, Editura Universitaria, 93 pg., ISBN 978-606-14-0254-3, Craiova, 2011.
7.	<b>Dumitru, I.</b> , Diagnosticarea sistemelor tehnice, Craiova, Editura Universitaria, 116 pg, ISBN: 973-742-008-X, 973-8043-68-9, Craiova, 2004; CZU 658.58.621(075.8)(076.5) cota BNR III 270403 – sediul central; <a href="http://alephnew.bibnat.ro:8991/F/YRCDNVYD4RBXATXHSQCLGI2HPSBA7F2II1E7K7BEAQRXV2RGF8-02421?func=full-set-set&amp;set_number=001559&amp;set_entry=000012&amp;format=999">http://alephnew.bibnat.ro:8991/F/YRCDNVYD4RBXATXHSQCLGI2HPSBA7F2II1E7K7BEAQRXV2RGF8-02421?func=full-set-set&amp;set_number=001559&amp;set_entry=000012&amp;format=999</a>

#### Monografii

Nr. crt	Descriere
1.	<b>Dumitru, I.</b> (coordonator), Facultatea de Mecanică a Universității din Craiova. 1997 – 2017, Scurtă Monografie, Editura Universitaria, I.S.B.N. 978-606-1261-7, Craiova, 2017;
2.	Spinu, I., Otovescu, D., Constantinescu R., Manescu, L., Manolea, Gh., <b>Dumitru I.</b> , ș.a., Monografia Universității din Craiova. Șapte decenii de învățământ superior, Editura Academiei Române, I.S.B.N. 978-606-14-1277-8, Craiova, 2017;

Cărți ca editor în edituri naționale sau internaționale

#### Internaționale

Nr. crt	Descriere
1.	<b>Dumitru, I.</b> (editor principal), Rosca, AS, Racilă, SL, Covaciu, D., The 30 <sup>th</sup> SIAR International Congress of Automotive and Transport Engineering, Ed Springer ISBN 978-3-030-32563-3; Ed Springer, 2019;
2.	<b>Dumitru I.</b> Automotive and Transportation Engineering. (Applied Mechanics and Materilas vol. 822, in Scientific Net), ISBN 978-3-03835-703-2, Ed. TransTech Publications, 2015;

Semnătura \_\_\_\_\_

## Naționale

Nr. crt	Descriere
1.	Science and Management of Automotive and Transportation SMAT 2019 Proceedings, Proceedings, vol II, (format B5), ISBN 978-606-14-1547-2, Editura Universitaria, Craiova, 2019;
2	Science and Management of Automotive and Transportation SMAT 2019 Proceedings, Book of abstracts, (format A5), ISBN 978-606-14-1548-9, Editura Universitaria, Craiova, 2019;
3	Science and Management of Automotive and Transportation SMAT 2014, Editura Universitaria, ISBN 978-606-14-0864-1, Craiova, 2014;
4	Science and Management of Automotive and Transportation - SMAT 2008 Editura Universitaria, ISBN 978-606-14-0865-1, Craiova, 2008;
5	Știința și Managementul Automobilelor și Tractoarelor - SMAT 2001, Editura Universitaria, ISBN 973-80-43-23-4, Craiova, 2001;
6.	International Conferences of Mechanical Engineering ICOME 2010, Editura Universitaria, ISBN 978 – 606 – 510 – 878 – 3;
7.	International Conferences of Mechanical Engineering ICOME 2013, Editura Universitaria, ISBN 978 – 606 – 0692-0;

## Material didactic / lucrări didactice

### Manuale didactice /

Nr. crt	Descriere
3.	<b>Dumitru I.</b> , Matei L., Logistica urbana- curs, uz intern, Craiova, 2019;
4.	Tutunea, D., Optimizarea constructiv-funcțională a motoarelor pentru automobile, curs – uz intern, Craiova 2019 <b>Dumitru, I.</b>
5.	Tutunea, D., <b>Dumitru, I.</b> , Dima, Al., Motoare cu ardere internă. Elemente de cinematică, dinamică, calculul și construcția motoarelor pentru automobile, curs – uz intern, Craiova 2018
6.	Tutunea, D., <b>Dumitru, I.</b> , Dima, Al., Functional design optimization of automobiles engines, curs. – uz intern, Craiova 2018
7.	<b>Dumitru, I.</b> , Otat, V., Otat Oana, Analiza și reconstrucția accidentului de circulație - sinteze , format A4, uz intern, 107 pg, Craiova, 2017;
8.	Oprica Th., Matei L., <b>Dumitru, I.</b> , Dumitru, S., Modelarea, sistematizarea și organizarea circulației, format A4, uz intern, 86 pg, Craiova, 2017;
9.	<b>Dumitru I.</b> , Bica, M., Tutunea, D., Dima, Al., Procese si caracteristici ale motoarelor cu ardere interna - curs, Universitaria, Craiova, 2014;
10.	Pisoschi, Al.-Gr., Neagoe, D., <b>Dumitru, I.</b> , Popa, Gh., Grigore, M., Cunoașterea generală a autovehiculelor - curs, Reprografia Universității, Craiova, 355 pg, 2002;
11.	Pisoschi, Al.-Gr., <b>Dumitru, I.</b> , Popa, Gh., Remorci și semiremorci auto și agricole - curs, Reprografia Universității, Craiova, 262 pg, 2001;
12.	Pisoschi, Al. - Gr., <b>Dumitru, I.</b> , Calculul și construcția mașinilor agricole pentru lucrările solului, semănat și întreținerea culturilor - îndrumar lucrări de laborator, Reprografia Universității, Craiova, 261 pg., 2000;
13.	Pisoschi, Al.-Gr., Oțăt, V., <b>Dumitru, I.</b> , Terotehnica și fiabilitatea autovehiculelor-curs, Reprografia Universității, Craiova, 207 pg, 1998

### Îndrumare de laborator / aplicații

Nr. crt	Descriere
1.	Tutunea D., <b>Dumitru I.</b> , Dima, Al., Optimizare constructiv-funcțională a motoarelor de automobile, Îndrumar de laborator, 116 pag. A4, Craiova, 2018;
2.	<b>Dumitru I.</b> , Matei L., Oprica, Th., <i>Modelarea, sistematizarea și organizarea circulației</i> - Lucrări de laborator, 74 pag. A4, Craiova 2017
3.	Tutunea D., <b>Dumitru I.</b> , Poluare în transporturi Îndrumar de laborator, Editura Sitech, 94 pag. A4, Craiova, 2017;
4.	<b>Dumitru I.</b> , Vînătoru M., Oprica Th., Matei L., Otat Oana, <i>Managementul traficului</i> - Lucrări de laborator, 82 pag. A4, Craiova 2015
5.	<b>Dumitru, I.</b> , Matei, L., Oprica Th., Proiectarea si modelarea fluxurilor de circulatie - Indrumar de laborator, 86 pg. A5, actualizat 2015,
6.	<b>Dumitru, I.</b> , Matei, L., Otat Oana, Oprica Th., Logistica urbana - Indrumar de laborator, 92 pg. A5, actualizat 2015

Semnătura \_\_\_\_\_

Nr. crt	Descriere
7.	Dumitru I., Tutunea D., Dima, Al., <i>Procese și caracteristici ale motoarelor cu ardere internă</i> , 206 pg. A5, actualizat 2015;
8.	Dumitru, I, Oprica Th. G., Matei L., Otat, Oana, <i>Trafic rutier, Îndrumar de laborator</i> , Craiova, 2011
9.	Dumitru I., Tutunea D., Dima, Al., <i>Motoare pentru vehicule rutiere, Îndrumar de laborator – uz intern</i> , Craiova, 2009
10.	Cătăneanu, M., Dumitru, I., Oță, V., Popescu, F., <i>Echipamente și tehnici de diagnosticare pentru autovehicule – Lucrări de laborator</i> , Ed. Universitaria, ISBN 978-973-742-571-3, 194 pag., Craiova, 2007;
11.	Pisoschi, Al. - Gr., Dumitru, I., <i>Calculul și construcția mașinilor agricole pentru lucrările solului, semănat și întreținerea culturilor - îndrumar lucrări de laborator</i> , Reprografia Universității, Craiova, 261 pg., 2000
12.	Dumitru, I., Pisoschi, Al.-Gr., <i>Terotehnica și fiabilitatea autovehiculelor - îndrumar lucrări de laborator</i> , Reprografia Universității, Craiova, 199 pg., 1999

### Organizare și coordonare programe de studii

#### Director /responsabil

Nr. crt	Nume program	Specializare	Nr. ani
1.	Licenta	Ingineria Transporturilor si a Traficului	7
2.	Licenta	Autovehicule Rutiere	2
3.	Masterat	Optimizarea Sistemelor de Transport	7
4.	Formare continua	Diagnosticarea moderna a autovehiculelor	4
5.	Formare continua	Transport urban si siguranta circulatiei	4

#### Membru

Nr. crt	Nume program	Specializare	Nr. ani
1.	Licenta	Autovehicule Rutiere	12
2.	Masterat	Conceptia si proiectarea autovehiculelor moderna	7
3.	Masterat	Automotive engineering – Design, manufacture and development	4

### Introducere discipline și laboratoare noi, confirmate prin manuale și îndrumare publicate

#### Discipline noi

Nr. crt	Disciplină	Specializare	An introducere
1.	Logistica urbana	Optimizarea sistemelor de transport - masterat	2012
2.	Proiectarea si modelarea fluxurilor de circulatie	Ingineria transporturilor si a traficului	2012
3	Optimizare constructiv-funcționala a motoarelor de automobile	Proiectarea automobilelor moderne - masterat	2014
4	Modelarea, sistematizarea și organizarea circulației	Optimizarea sistemelor de transport - masterat	2016

#### Laborator

Nr. crt	Disciplină	Specializare	An introducere
1.	Logistica urbana	Optimizarea sistemelor de transport - masterat	2012
2.	Modelarea, sistematizarea si organizarea circulatiei	Optimizarea sistemelor de transport - masterat	2012
3	Proiectarea si modelarea fluxurilor de circulatie	Ingineria transporturilor si a traficului	2016

Semnătura \_\_\_\_\_

## 2. Activitatea de cercetare (A2)

Articole în extenso în reviste cotate ISI, proceedings indexate ISI Thomson Reuters sau SAE

Nr. crt	Descriere (cu link)
1.	<b>Dumitru Ilie</b> , Racila Laurentiu, Oprica Alexandru, Matei Lucian, Vilcea Elena, Mogoanta, Lauentiu, Laboratory system for collision experiments at head level, similar of road accidents, Romanian Journal of Morphology and Embryology, Vol. 61 No. 1, Impact Factor: 1.5, ISSN 1220-0522 (print), ISSN 2066-8279 (online); <a href="http://www.rjme.ro/current-issue">http://www.rjme.ro/current-issue</a> , FI=1,5;
2.	Răzvan Ștefan Țolescu, Marian Valentin Zorilă, Mircea-Sebastian Șerbănescu, Kamal-Constantin Kamal, George Lucian Zorilă, <b>Ilie DUMITRU</b> , Charoula Florou, Laurențiu Mogoantă, Ion Alexandru Văduva, Liliana Stanca, Roxana Zăvoi, Severe traumatic brain injury (TBI) - a seven-years comparative study in a forensic department, Romanian Journal of Morphology and Embryology, Vol. 61 No. 1, Impact Factor: 1.5, ISSN 1220-0522 (print), ISSN 2066-8279 (online); <a href="http://www.rjme.ro/current-issue">http://www.rjme.ro/current-issue</a> , FI=1,5;
3.	D Tutunea, <b>Ilie DUMITRU</b> , L Racila, O Otat, I Geonea, L Matei, C Rotea - Experimental Stand to Evaluate Engine Mass Air Flow (MAF) Sensor, The 30th SIAR International Congress of Automotive and Transport Engineering - Science and Management of Automotive and Transportation Engineering, Springer International Publishing, ISBN 978-3-030-32563-3, 2020; <a href="https://link.springer.com/chapter/10.1007/978-3-030-32564-0_3">https://link.springer.com/chapter/10.1007/978-3-030-32564-0_3</a>
4.	L Matei, <b>Ilie DUMITRU</b> , L Racila, M Racila, D Tutunea, O Otat - Construction of a Kart Chassis Through 3D Reconstruction Methods—Part 1—Scanning and Alignment, The 30th SIAR International Congress of Automotive and Transport Engineering - Science and Management of Automotive and Transportation Engineering, Springer International Publishing, ISBN 978-3-030-32563-3, 2020; <a href="https://link.springer.com/chapter/10.1007/978-3-030-32564-0_74">https://link.springer.com/chapter/10.1007/978-3-030-32564-0_74</a>
5.	L Matei, <b>Ilie DUMITRU</b> , L Racila, M Racila, D Tutunea, O Otat - Construction of a Kart Chassis Through 3D Reconstruction Methods—Part 2—Reverse Engineering The 30th SIAR International Congress of Automotive and Transport Engineering - Science and Management of Automotive and Transportation Engineering, Springer International Publishing, ISBN 978-3-030-32563-3, 2020; <a href="https://link.springer.com/chapter/10.1007/978-3-030-32564-0_75">https://link.springer.com/chapter/10.1007/978-3-030-32564-0_75</a>
6.	L Racila, <b>Ilie DUMITRU</b> , L Matei, M Racila, D Tutunea, I Geonea - Solicitations in the Rear Axle Support of a Karting Frame, The 30th SIAR International Congress of Automotive and Transport Engineering - Science and Management of Automotive and Transportation Engineering, Springer International Publishing, ISBN 978-3-030-32563-3, 2020; <a href="https://link.springer.com/chapter/10.1007/978-3-030-32564-0_71">https://link.springer.com/chapter/10.1007/978-3-030-32564-0_71</a>
7.	Oana Oțăt, <b>Ilie DUMITRU</b> , Victor Oțăt, Lucian Matei, Dragoș Tutunea- Study Regarding the Impact Between a Vehicle and a Two-Wheel Vehicle, The 30th SIAR International Congress of Automotive and Transport Engineering - Science and Management of Automotive and Transportation Engineering, Springer International Publishing, ISBN 978-3-030-32563-3, 2020; <a href="https://link.springer.com/chapter/10.1007/978-3-030-32564-0_45">https://link.springer.com/chapter/10.1007/978-3-030-32564-0_45</a>
8.	Oțăt Oana, Dumitru Nicolae, <b>Dumitru Ilie</b> - Dynamic models to analyse the influence of the seat belt in a frontal collision, CAR 2017 International Congress of Automotive and Transport Engineering - Mobility Engineering and Environment, 8–10 November 2017, Pitesti, Romania, Published as volume 252, 2017 of IOP Conference Series: Materials Science and Engineering 2017, <i>IOP Conf. Ser.: Mater. Sci. Eng.</i> 252 012017, UNSP 012017, DOI: 10.1088/1757-899X/252/1/012017, ISSN: 1757-8981, <a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=5&amp;SID=E4V8HibjQGEVoSBAYjN&amp;page=1&amp;doc=2">https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=5&amp;SID=E4V8HibjQGEVoSBAYjN&amp;page=1&amp;doc=2</a>
9.	Geonea, Ionut , Dumitru, Nicolae <b>Dumitru Ilie</b> - Experimental and theoretical study of friction torque from radial ball bearings, CAR 2017 International Congress of Automotive and Transport Engineering - Mobility Engineering and Environment, 8–10 November 2017, Pitesti, Romania, Published as volume 252, 2017 of IOP Conference Series: Materials Science and Engineering 2017, <i>IOP Conf. Ser.: Mater. Sci. Eng.</i> 252 012048, UNSP 012048, DOI: 10.1088/1757-899X/252/1/012048, ISSN: 1757-8981, <a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=1&amp;SID=E4V8HibjQGEVoSBAYjN&amp;page=1&amp;doc=1#addressWOS:000419817200048-1">https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=1&amp;SID=E4V8HibjQGEVoSBAYjN&amp;page=1&amp;doc=1#addressWOS:000419817200048-1</a>
10.	Dragos Tutunea, <b>Dumitru Ilie</b> - Analysis of performance and emissions of diesel engine using sunflower biodiesel, CAR 2017 International Congress of Automotive and Transport Engineering - Mobility Engineering and Environment, 8–10 November 2017, Pitesti, Romania, Published as volume 252, 2017 of IOP Conference Series: Materials Science and Engineering 2017, <i>IOP Conf. Ser.: Mater. Sci. Eng.</i> 252 012085, UNSP 012085, DOI: 10.1088/1757-899X/252/1/012085, ISSN: 1757-8981, <a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=1&amp;SID=E4V8HibjQGEVoSBAYjN&amp;page=1&amp;doc=2">https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=1&amp;SID=E4V8HibjQGEVoSBAYjN&amp;page=1&amp;doc=2</a>
11.	Dima Alexandru, <b>Dumitru Ilie</b> , Tutunea Dragos - Evaluation of performance and emissions characteristics of methanol blend (gasohol) in a naturally aspirated spark ignition engine, CAR 2017 International Congress of Automotive and

Semnătura \_\_\_\_\_

Nr. crt	Descriere (cu link)
	Transport Engineering - Mobility Engineering and Environment, 8–10 November 2017, Pitesti, Romania, Published as volume 252, 2017 of IOP Conference Series: Materials Science and Engineering 2017, IOP Conf. Ser.: Mater. Sci. Eng. 252 012086, UNSP 012086, DOI: 10.1088/1757-899X/252/1/012086, ISSN: 1757-8981, <a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=5&amp;SID=E4V8HibjQGEVoSBAYjN&amp;page=1&amp;doc=1">https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=5&amp;SID=E4V8HibjQGEVoSBAYjN&amp;page=1&amp;doc=1</a>
12.	<b>Dumitru, I.</b> , Racila L., Matei, L., Tutunea, D., Dima, Al., Oprica, Al., Experimental investigation of a vehicle behavior using different complex data acquisition systems, CONAT 2016 International Congress of Automotive and Transport Engineering –Springer; ISBN 978-3-319-45447-4, DOI: 10.1007/978-3-319-45447-4 <a href="http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=1&amp;SID=C3PHDWeHGeUGLuvAmri&amp;page=1&amp;doc=4&amp;cacheurlFromRightClick=no">http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=1&amp;SID=C3PHDWeHGeUGLuvAmri&amp;page=1&amp;doc=4&amp;cacheurlFromRightClick=no</a>
13.	Matei, L., <b>Dumitru, I.</b> , Racila L., Mathematical Algorithm for Calculating the Traffic Lights Cycle in Junction, CONAT 2016 International Congress of Automotive and Transport Engineering –Springer; ; ISBN 978-3-319-45447-4, DOI: 10.1007/978-3-319-45447-4; <a href="http://apps.webofknowledge.com.am.e-nformation.ro/Search.do?product=WOS&amp;SID=C3PHDWeHGeUGLuvAmri&amp;search_mode=GeneralSearch&amp;prID=be7e3e9a-81b4-4cb7-a270-b27aa113cb50">http://apps.webofknowledge.com.am.e-nformation.ro/Search.do?product=WOS&amp;SID=C3PHDWeHGeUGLuvAmri&amp;search_mode=GeneralSearch&amp;prID=be7e3e9a-81b4-4cb7-a270-b27aa113cb50</a>
14.	Otat, O., Dumitru, N., Otat, V., <b>Dumitru I.</b> , Determination of Kinematic and Dynamic Behavior in the Driver's Skull upon the Impact with the Steering Wheel, CONAT 2016 International Congress of Automotive and Transport Engineering – Springer; ISBN 978-3-319-45447-4, DOI: 10.1007/978-3-319-45447-4 <a href="http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=1&amp;SID=C3PHDWeHGeUGLuvAmri&amp;page=1&amp;doc=6&amp;cacheurlFromRightClick=no">http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=1&amp;SID=C3PHDWeHGeUGLuvAmri&amp;page=1&amp;doc=6&amp;cacheurlFromRightClick=no</a>
15.	<b>Dumitru, I.</b> , Matei, L. Racila L., Saturation flow mathematical model based on multiple combinations of lane groups, Transportation Research Procedia, Volume: 18, Pages: 399-404, DOI: 10.1016/j.trpro.2016.12.052, Published: 2016 <a href="http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=1&amp;SID=C3PHDWeHGeUGLuvAmri&amp;page=1&amp;doc=8&amp;cacheurlFromRightClick=no">http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=1&amp;SID=C3PHDWeHGeUGLuvAmri&amp;page=1&amp;doc=8&amp;cacheurlFromRightClick=no</a>
16.	<b>Dumitru, I.</b> , Matei, L. Racila L., Public transport traffic management systems simulation in Craiova city, Transportation Research Procedia, Volume: 18, Pages: 405-410, DOI: 10.1016/j.trpro.2016.12.053, Published: 2016 <a href="http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=1&amp;SID=C3PHDWeHGeUGLuvAmri&amp;page=1&amp;doc=9&amp;cacheurlFromRightClick=no">http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=1&amp;SID=C3PHDWeHGeUGLuvAmri&amp;page=1&amp;doc=9&amp;cacheurlFromRightClick=no</a>
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52.	Dumitru, I., Influența parametrilor funcționali ai motorului asupra consumului de combustibil al sistemului tractor-mașină de lucru, <i>Revista Mecanizarea Agriculturii</i> , nr. 6, ISSN 1011-7296, pp. 39-42, 2000;
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54.	Ionașcu, I., Pisoschi, Al.-Gr., Dumitru, I., Popa, Gh., Cercetări privind stabilirea tehnologiei de cultivare a porumbului pe terenuri în pantă, Simpozionul Agricultură și alimentație-prezent și perspectivă, Universitatea de Științe Agricole și Medicină Veterinară din Cluj Napoca, vol I, Editura Academic Press, ISBN 973-9999-4-x, Cluj-Napoca, pp. 122-127, 2000;
55.	Bârcă, Gh., Ciulu, Gh., Ionașcu, I., Pisoschi, Al.-Gr., Dumitru, I., Popa, Gh., Cercetări noi privind tehnologii de lucrare a solului în vederea practicării agriculturii durabile, Simpozionul Agricultură și alimentație-prezent și perspectivă, Universitatea de Științe Agricole și Medicină Veterinară din Cluj Napoca, vol I, Editura Academic Press, ISBN 973-9999-4-x, Cluj-Napoca, pp. 117-121, 2000;
56.	Dumitru, I., Pisoschi Al.-Gr., Gaiță F., Influența factorilor constructivi ai motoarelor cu aprindere prin comprimare asupra consumului de combustibil, <i>Analele Universității din Craiova</i> , vol XXX, , I.S.B.N.:973-97173-2-2, Craiova, pp. 311-314, 2000;
57.	Pisoschi, Al.-Gr., Dumitru, I., Gaiță, F., Determinarea durabilității segmentului de foc de la motorul D-110 utilizând funcția de uzare, <i>Analele Universității din Craiova</i> , vol XXX, I.S.B.N.:973-97173-2-2, organizate de Universitatea din Craiova, Craiova, pp. 307-310, 2000;
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61.	Bădescu, M., Cernăianu, E., Dumitru, I., Cercetări privind stabilirea modului de elasticitate longitudinal al vrejilor de cartof, Sesiunea științifică cu participare internațională Prezent și viitor în domeniul mașinilor și instalațiilor destinate agriculturii și industriei alimentare, I.S.B.N.: 973-95305-7-5, organizată de Ministerul Cercetării și Tehnologiei, București, pp. 206-217, 18-19.09.1997;
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63.	Dumitru, N., Craciunoiu, N., Rosca A, Dumitru, I., Kinematic analysis of a steering mechanism from a road vehicle structure, <i>Proceedings of the 10th International Conference on Electromechanical and Power Systems</i> , ISBN 978-606-567-284-0, October 2015; <a href="http://sielmen.ucv.ro/data/_uploaded/procedings/volum_sielmen_2015.pdf">http://sielmen.ucv.ro/data/_uploaded/procedings/volum_sielmen_2015.pdf</a>

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**Granturi/ proiecte câștigate prin competiție / de cercetare / consultanță pentru mediul economic****Director / Responsabil****Internaționale**

<i>Nr. crt</i>	<i>Descriere</i>
1.	DOROTHY— Development Of RegiOnal clusTers for research and implementation of environmental friendLY urban logistics / DOROTHY - Dezvoltarea unor grupuri regionale de cercetare și punerea în aplicare a de mediu prietenos logisticii urbane, Project number 319918, Call (part) identifier FP7-REGIONS-2012-2013-1
2.	Contract 4C/25.01.2017 "Studiu preliminar asupra stadiului curent al nodurilor intermodale și capacității acestora de a dezvolta rețeaua TEN- T în partea română a zonei transfrontaliere România-Bulgaria", Beneficiar Fundatia GIEED
3.	Realizarea Servicii de asistenta tehnica, evaluare masuri, proiect FP7 cu titlul: "MODERN – MObility Development and Energy use ReductioN" Call Identifier FP7-SST-2007-TREN-I_28 June ; Proposal Identifier : 219041 – MODERN
4.	Contract international nr. 5C /22.06.2015, "Origin-destination surveys on the main arterials in the city – urban mobility plans for the Craiova growth pole,, – Beneficiar PTV Transport Consult GmbH- Germany)

**Naționale**

<i>Nr. crt</i>	<i>Descriere</i>
1.	GRANT NATIONAL CONTRACT (51. M / 08.10.2014) (10052/10.09.2015 –, respectiv 6224/10.09.2015 Universitatea din Craiova) „Finantare manifestari stiintifice – Conferinta Internationala ICOME 2015”, Program ANCS Director
2.	GRANT NATIONAL CONTRACT (82 M / 08.10.2014) – Finantare manifestari stiintifice – Congres International SMAT 2014, Program ANCS Director
3.	Contract nr. 5C / 22.02.2011 „Reabilitare centru istoric al municipiului Craiova” - Studiu de trafic pentru centrul istoric al Craiovei in vederea implementarii traficului pietonal si cu bicicleta Beneficiar SC PROIECT SA CRAIOVA si PRIMARIA MUNICIPIULUI CRAIOVA Director
4.	POS DRU/24/2.3/G/9283 - "Calificare la standarde europene în meseria de mecanic auto și tinichigiu carosier (CMATC)", Coordonator GS Geoge Bibescu Caiova, – Responsabil UCV;
5.	GRANT NATIONAL CONTRACT (52M/2008) „Finantare manifestari stiintifice - Congres International SMAT 2008”, Program ANCS Director
6.	POS DRU/47/5.1/30683 - „Masuri active in vederea cresterii sanselor de insertie pe piata muncii a persoanelor neocupate”, Coordonator Automonza Craiova, – Responsabil UCV;
7.	Contract nr. 4593/20.04.2011 cu titlul „Analiza de situatie în vederea elaborării unei scheme de distribuție a mărfurilor în zona centrală a municipiului Craiova” Proiect Modern , Director
8.	POS DRU /102/5.1/G/ 78194 - CONSTRUCT - Facilitarea integrării pe piata muncii pentru somerii din Oltenia prin cursuri de perfectionare in domeniul constructiilor, Coordonator BRASILIAN – Responsabil UCV;

**Membru în echipe de cercetare****Internaționale**

<i>Nr. crt</i>	<i>Descriere</i>
1.	PN-III-P2.1-BG-2016-0123 Parteneriat Ford Romania – Universitatea din Craiova pentru transferul, implementarea si adaptarea Eco-tehnologiilor Ford la realozarea modelului EcoSport la Craiova Program Bridge Grant 2016
2.	Project Number: 633929 , Call (part) identifier 6 H2020-MG-2014_TwoStages Promoting Innovation in the Inland Waterways Transport Sector — Project Acronym: Prominent - Program Horizont 2020 MG-4.4-2014

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<i>Nr. crt</i>	<i>Descriere</i>
3.	Proiect nr.: P09 002/1139 /2014, Cod SMIS: 50138, "Cercetari în vederea implementării unui sistem de mentenanță avansată pentru industria de automotive în scopul creșterii gradului de competitivitate". Proiectul face parte integrantă din pachetul integrat aprobat pentru polul de competitivitate "Automotive Sud-Vest Oltenia", precum și din strategia de dezvoltare a acestui pol.
4.	Proiectul nr. 12P09003 / 08.05.2013, cod SMIS 50139, „Proiectarea virtuala a unor aplicații mecatronice și robotice specifice industriei automotive și transporturilor – PV AMR”, Proiectul face parte integrantă din pachetul integrat aprobat pentru polul de competitivitate "Automotive Sud-Vest Oltenia"
5.	Program AMTRANS - Contract nr 3C02-P4/2002, (nr. 29C la Univ. din Craiova -partener) Solutii convergente pentru limitarea congestiei si a efectelor poluante ale traficului in marile aglomerari urbane, Beneficiar Ministerul Educatiei si Cercetarii, PNCDI, Programul AMTRANS, Institutia organizatoare MEC
6.	Contract international nr. 77C /14.11.2014 "Studies for traffic data surveys – plans of urban mobility for the poles of development from Romania – municipality of Craiova" – Beneficiar PTV Transport Consult GmbH- Germany

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<i>Nr. crt</i>	<i>Descriere</i>
1	Studiu calatori Slatina
2	C.308/ 16.12.2016 "Studiul privind fluxul de călători în municipiul Craiova"
3	Contract nr 18C / 28.06.2010 Pachet software pt identificarea modala si evaluarea raspunsului la solicitari seismice de inalta tensiune Beneficiar Institutul National de Cercetare Dezvoltare si Incercari pentru Electrotehnica ICMET
4	C. 132 / 05.06.2009 Studiu de trafic pentru transportul județean de persoane
5	"Studii privind terenuri dificile de fundare in județul Dolj", 2009
6	Contract CEEEX Modulul I, Tehnologie si instalatie ecologica de detensionare a ansamblelor din otel turnate, forjate sau sudate, Beneficiar Ministerul Educatiei si Cercetarii, institutii participante: ICMET Craiova, Universitatea Politehnica din Bucuresti; Universitatea din Craiova, Universitatea Politehnica din Timisoara, Universitatea Tehnica din Cluj – Napoca;
7	Contract 1258/19.07.2006, Contract de cercetare Proplant, Promovarea performantelor stiintifice romanesti in domeniul producerii si valorificarii plantelor medicinale, aromatice si tinctoriale, Finantare: Buget de Stat- Ministerul Educatiei si Cercetarii: CEEEX- Autoritatea Nationala pentru Cercetarea Stintifica,: Modulul III/Tipul Proiectului: P-INT-VIZ, contractor asociat (Universitatea din Craiova) - Institutii participante: INMA Bucuresti, Universitatea Politehnica din Bucuresti, Universitatea din Craiova, Universitatea din Brasov, Institutia organizatoare MEC; valoare totala contract Universitatea din Craiova
8	Contract Nr. 146/30.09.2004, 37C/29.09.2004, Aparat de distributie centrifugala pentru latimi diferite de lucru, Beneficiar Ministerul Educatiei si Cercetarii, PNCDI, Programul INVENT, Institutia organizatoare MEC
9	Contract CEEEX 1219/14.07.2006, Cercetari privind dezvoltarea aplicatiilor tehnice moderne pentru cultivarea unor specii valoroase de plante medicinale si aromatice, inclusiv in domeniul procesarii primare si al valorificarii - ATPMA, P- CD CEEEX Modulul III, Beneficiar Ministerul Educatiei si Cercetarii, institutii participante: INMA Bucuresti, Universitatea Politehnica din Bucuresti, Universitatea din Craiova, Universitatea din Brasov, Institutia organizatoare MEC;
9	Contract nr. 86C/.18.03.2005 Eficienta lucrarilor de baza ale solului (arat, discuit) folosind agregate de mare capacitate de lucru
10	Contract nr. 87C/.18.03.2005 Cercetari asupra indicilor calitativi de lucru si de exploatare la sistema de masini agricole utilizata recoltarea cerealelor paioase
11	Studiu privind reglementarea circulatiei si semaforizare trecere de pietoni halta gen. Traian Mosoiu in orasul Zarnesti
12	Studiu privind semnalizarea circulatiei rutiere pe verticală și pe orizontala in localitatea Isalnita, jud. Dolj
13	Reglementarea circulatiei si semaforizare intersectia strada mare (DN 73a) – strada Brazilor in orasul Zarnesti.

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Nr. crt	Descriere
14	Studiu de acces „cercetari privind accesul autovehiculelor in zona pietonala pe strada unirii in orasul Horezu”
15	Studiu privind impactul proiectului „Imbunatatirea accesului rutier către punctul de trecere a frontierei Bechet – Oryahovo – reabilitarea drumului judetean DJ 561b sectiunea I, judetul Dolj, Romania, si a strazii Rsanko Rserkovski, a municipiului Mizia, Districtul Vratsa, Bulgaria.
16	Studiu fezabilitate piste de biciclete în municipiul Caracal
17	Studiu privind impactul proiectului „reabilitarea și modernizarea DJ 561, tronsonul Segarcea – Cârna (Dunăreni), Județul Dolj”
18	Studiu fezabilitate piste de biciclete in orasul Horezu
19	Studiu privind impactul proiectului „Reabilitare si modernizare DJ 652: DN 65 – Lăcrița – Coșoveni – Ghindeni – DN 55, Județ Dolj”
20	Studiu privind impactul proiectului „Reabilitare si modernizare DJ 561 Segarcea – Dunăreni (Km 21+817 ÷ Km 48+710)”
21	Studiul privind determinarea solicitărilor în mecanismul de cuplare cu ridicător hidraulic al tractorului MAT 8001+ în agregat cu plugul reversibil PR3M și optimizarea constructivă a acestuia”
22	Contract nr. executant: 7c/27.01.2004 beneficiar: 243/19.01.2004 Cercetări privind tehnologia de obținere si caracterizarea materialelor compozite, Beneficiar S.C. A.V.I. S.R.L.,
23	Contract nr. executant: 8c/27.01.2004 beneficiar: 244/19.01.2004 Cercetări privind aplicarea elementelor de pedagogie moderna in activitatea de reciclare optima a personalului muncitor de la firma S.C. A.V.I. S.R.L., Beneficiar S.C. A.V.I. S.R.L.,
24	Contract nr. executant: 40c/25.10.2004 beneficiar: 76/30.09.2004 Tehnologie de reparare a supapelor de la motorul M036, Beneficiar S.C. LUBRI GETAH S.R.L.,
25	Contract nr. executant: 41C/25.10.2004 beneficiar: 121/13.10.2004 Soluții convergente pentru optimizarea activității de transport auto, Beneficiar S.C. AUTO TRANS COM S.R.L.,
26	Contract nr. executant: 44C/29.10.2004 beneficiar: 81/20.10.2004 Metode de utilizare a organelor de aşchiere tip plăcute din carburi metalice si mineralo-ceramice, Beneficiar S.C. ROMINEX S.R.L.,

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### 3. Recunoașterea performanțelor profesionale și impactul activității

Citări în reviste ISI și BDI (fără autocitări)

#### ISI cu factor de impact

Nr. crt	Descriere: art. citat (cu link)/art. care citeaza
1.	<p>Alexandru Dima, <b>Ilie DUMITRU</b>, Dragos Tutunea, Evaluation of performance and emissions characteristics of methanol blend (gasohol) in a naturally aspirated spark ignition engine, International Congress of Automotive and Transport Engineering - Mobility Engineering and Environment (Car2017), Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 252, Article Number: UNSP 012086, DOI: 10.1088/1757-899X/252/1/012086, Published: 2017, ISSN: 1757-8981 / Celebi Yahya, Aydin Huseyin, An overview on the light alcohol fuels in diesel engines, FUEL, Volume: 236, Pages: 890-911, DOI: 10.1016/j.fuel.2018.08.138, Published: JAN 15 2019, Publisher ELSEVIER SCI LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, OXON, ENGLAND</p> <p>Citari 1. <a href="http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=22&amp;SID=E5gVwxz9oEQ5sPaRkBD&amp;page=1&amp;oc=1&amp;cacheurlFromRightClick=no">http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=22&amp;SID=E5gVwxz9oEQ5sPaRkBD&amp;page=1&amp;oc=1&amp;cacheurlFromRightClick=no</a>  a.ENERGY, Volume: 191, Article Number: 116605, DOI: 10.1016/j.energy.2019.116605, Published: JAN 15 2020, IF: 5.537</p> <p>2. <a href="http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=22&amp;SID=E5gVwxz9oEQ5sPaRkBD&amp;page=1&amp;oc=2&amp;cacheurlFromRightClick=no">http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=22&amp;SID=E5gVwxz9oEQ5sPaRkBD&amp;page=1&amp;oc=2&amp;cacheurlFromRightClick=no</a>  a.FUEL, Volume: 236 Pages: 890-911, DOI: 10.1016/j.fuel.2018.08.138, Published: JAN 15 2019, IF:5.128</p>
3	<p>Geonea, Ionut , Dumitru, Nicolae DUMITRU Ilie - Experimental and theoretical study of friction torque from radial ball bearings, CAR 2017 International Congress of Automotive and Transport Engineering - Mobility Engineering and Environment, 8–10 November 2017, Pitesti, Romania, Published as volume 252, 2017 of IOP Conference Series: Materials Science and Engineering 2017, IOP Conf. Ser.: Mater. Sci. Eng. 252 012048, UNSP 012048, DOI: 10.1088/1757-899X/252/1/012048, ISSN: 1757-8981,  <a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=1&amp;SID=E4V8HibjQGEV oSBAYjN&amp;page=1&amp;doc=1#addressWOS:000419817200048-1">https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=1&amp;SID=E4V8HibjQGEV oSBAYjN&amp;page=1&amp;doc=1#addressWOS:000419817200048-1</a>  Citare: <a href="http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=30&amp;SID=E5gVwxz9oEQ5sPaRkBD&amp;page=1&amp;doc=1">http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=30&amp;SID=E5gVwxz9oEQ5sPaRkBD&amp;page=1&amp;doc=1</a>  a.NONLINEAR DYNAMICS, Volume: 98 Issue: 1 Pages: 129-149, DOI: 10.1007/s11071-019-05177-1, Published: OCT 2019, IF: 4.604</p>
4	<p>Dragos Tutunea, DUMITRU Ilie - Analysis of performance and emissions of diesel engine using sunflower biodiesel, CAR 2017 International Congress of Automotive and Transport Engineering - Mobility Engineering and Environment, 8–10 November 2017, Pitesti, Romania, Published as volume 252, 2017 of IOP Conference Series: Materials Science and Engineering 2017, IOP Conf. Ser.: Mater. Sci. Eng. 252 012085, UNSP 012085, DOI: 10.1088/1757-899X/252/1/012085, ISSN: 1757-8981,  <a href="https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=1&amp;SID=E4V8HibjQGEV oSBAYjN&amp;page=1&amp;doc=2">https://apps.webofknowledge.com/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=1&amp;SID=E4V8HibjQGEV oSBAYjN&amp;page=1&amp;doc=2</a>  Citari: <a href="http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=16&amp;SID=E5gVwxz9oEQ5sPaRkBD&amp;page=1&amp;oc=1&amp;cacheurlFromRightClick=no">http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&amp;search_mode=CitingArticles&amp;qid=16&amp;SID=E5gVwxz9oEQ5sPaRkBD&amp;page=1&amp;oc=1&amp;cacheurlFromRightClick=no</a>  RENEWABLE ENERGY, Volume: 147 Pages: 284-292 Part: 1, DOI: 10.1016/j.renene.2019.08.133, Published: MAR 2020, IF: 5.439</p>

#### ISI fara factor de impact

Nr. crt	Descriere: art. citat (cu link)/art. care citeaza
1.	<p>Oana OTAT, Lucian MATEI, Victor OTAT, <b>Ilie DUMITRU</b>, Magdalena DRAGOVIC, The possibilities of using an outline crash sketch in modelling and simulation of accidents, Paper of International Conference of Engineering Graphics and Design, 15 – 17 May 2019, Craiova;; Journal of Industrial Design and Engineering Graphics, ISSN 1843 – 3766, pp. 149-154; <a href="http://sorging.ro/jideg/index.php/jid/article/view/447">http://sorging.ro/jideg/index.php/jid/article/view/447</a>  <a href="http://search.proquest.com/openview/a25e737b3f3875b3dc686f2eeb755f80/1?pq-origsite=gscholar&amp;cbl=2034495">http://search.proquest.com/openview/a25e737b3f3875b3dc686f2eeb755f80/1?pq-origsite=gscholar&amp;cbl=2034495</a>  Citari: 1. <a href="https://link.springer.com/chapter/10.1007/978-3-030-32564-0_37">https://link.springer.com/chapter/10.1007/978-3-030-32564-0_37</a></p>

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Nr. crt	Descriere: art. citat (cu link)/art. care citeaza
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3.	<p>OȚĂT Oana, DUMITRU Ilie, OȚĂT Victor, MATEI Lucian, Modeling the vehicle – bicycle collision. The analysis of the projection distance and acceleration at the cyclist's head, 4th International Conference of Mechanical Engineering-ICOME 2017, 11-12 October 2017, published by TTP inc in Applied Mechanics and Materials, <a href="http://mecanica.ucv.ro/ViataAcademica/Conferinte/ICOME2017/Papers/S3.pdf">http://mecanica.ucv.ro/ViataAcademica/Conferinte/ICOME2017/Papers/S3.pdf</a>            Citari: 1. <a href="https://link.springer.com/chapter/10.1007/978-3-030-32564-0_44">https://link.springer.com/chapter/10.1007/978-3-030-32564-0_44</a>            2. <a href="https://link.springer.com/chapter/10.1007/978-3-319-94409-8_96">https://link.springer.com/chapter/10.1007/978-3-319-94409-8_96</a></p>
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5.	<p>Dumitru, I., Matei, L. Racila L., Dumitru, N., Saturation flow mathematical model based on multiple combinations of lane groups, XII Conference on Transport Engineering 7,8,9 June 2016 - Valencia (Spain), Transportation Research Procedia 18 ( 2016 ) 399 – 404 ,  <a href="https://www.sciencedirect.com/science/article/pii/S2352146516308079">https://www.sciencedirect.com/science/article/pii/S2352146516308079</a>            Citari: 1. <a href="https://link.springer.com/chapter/10.1007/978-3-319-94409-8_93">https://link.springer.com/chapter/10.1007/978-3-319-94409-8_93</a>            2. <a href="https://iopscience.iop.org/article/10.1088/1757-899X/568/1/012056/meta">https://iopscience.iop.org/article/10.1088/1757-899X/568/1/012056/meta</a></p>
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7.	<p>Alexandru Dima, <b>Ilie DUMITRU</b> Dragos Tutunea, Evaluation of performance and emissions characteristics of methanol blend (gasohol) in a naturally aspirated spark ignition engine, IOP Conference Series: Materials Science and Engineering, Volume 252, Issue 1, 11th International Congress of Automotive and Transport Engineering: Mobility Engineering and Environment, CAR 2017; Pitesti; Romania; 8 - 10 November 2017; ISSN: 17578981 / AA Yusuf, FL Inambao - International Journal of Ambient Energy, 2018 - Taylor &amp; Francis, Progress in alcohol-gasoline blends and their effects on the performance and emissions in SI engines under different operating conditions /            Citari            1. <a href="https://www.researchgate.net/profile/A_Yusuf3/post/What_is_the_effects_of_adding_the_oxygenated_fuels_wit_h_gasoline_in_spark_ignition_engine_performance_and_emissions/attachment/5c2d37803843b006754e39e2/AS%3A710749106221059%401546467200845/download/Emissions+and+combustion+.pdf">https://www.researchgate.net/profile/A_Yusuf3/post/What_is_the_effects_of_adding_the_oxygenated_fuels_wit_h_gasoline_in_spark_ignition_engine_performance_and_emissions/attachment/5c2d37803843b006754e39e2/AS%3A710749106221059%401546467200845/download/Emissions+and+combustion+.pdf</a>            2. <a href="https://www.tandfonline.com/doi/abs/10.1080/01430750.2018.1531261">https://www.tandfonline.com/doi/abs/10.1080/01430750.2018.1531261</a>            3. <a href="https://iopscience.iop.org/article/10.1088/1755-1315/265/1/012019/meta">https://iopscience.iop.org/article/10.1088/1755-1315/265/1/012019/meta</a></p>
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10.	<p>Oana Otat, Nicolae Dumitru, <b>Ilie DUMITRU</b>, Dynamic models to analyse the influence of the seat belt in a frontal collision, IOP Conference Series: Materials Science and Engineering, International Congress of Automotive and Transport Engineering - Mobility Engineering And Environment (CAR2017), Volume: 252, 2017 / OV Otat, V Otat, D Tutunea, I Geonea - International Congress of ..., 2018 – Springer, The Monitoring of the Submarine Effect in Frontal Collisions, at Different Impact Speeds and for the Driver's Out of Position Instances / Citare <a href="https://link.springer.com/chapter/10.1007/978-3-319-94409-8_93">https://link.springer.com/chapter/10.1007/978-3-319-94409-8_93</a></p>
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5.	Cristina Ileana Pascu, Stefan Gheorghe, <b>Ilie DUMITRU</b> , Mihai Nisipasu, Dragos Ciocoi-Troaca, Aspects about Implementation of Lean Manufacturing Principles for Quality Improvement in a Production System for Automotive Industry - RJZ Donoso – 2017, Identificación e implementación de oportunidades de mejora para el desarrollo de un sistema de control de costos, para el Taller de colisiones de Proauto CA – Citari 1 . <a href="http://192.188.53.14/bitstream/23000/6640/1/131792.pdf">http://192.188.53.14/bitstream/23000/6640/1/131792.pdf</a> 2. <a href="https://scholarworks.waldenu.edu/dissertations/2883/">https://scholarworks.waldenu.edu/dissertations/2883/</a> 3. <a href="https://repositorioacademico.upc.edu.pe/handle/10757/623000">https://repositorioacademico.upc.edu.pe/handle/10757/623000</a> 4. <a href="http://192.188.53.14/handle/23000/6640">http://192.188.53.14/handle/23000/6640</a> 5. <a href="https://scholarworks.waldenu.edu/cgi/viewcontent.cgi?article=3986&amp;context=dissertations">https://scholarworks.waldenu.edu/cgi/viewcontent.cgi?article=3986&amp;context=dissertations</a>
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Semnătura \_\_\_\_\_

**Prezentări în plenul unor manifestări științifice naționale și internaționale****Internaționale**

<i>Nr.crt</i>	<i>Descriere</i>
1.	Forumul de mobilitate metropolitană. Metropolă inteligentă 26 – 28. 04. 2017 - <a href="http://forum.etlbiz.com/apr2017/">http://forum.etlbiz.com/apr2017/</a>

Membru în colectivele de redacție sau comitete științifice ale revistelor și manifestărilor științifice.

Organizator de manifestări științifice / Recenzor

Reviste ISI fără factor de impact / ISI Proceedings

Membru în comitetul științific / Editor

<i>Nr.crt</i>	<i>Manifestare / publicație (cu link)</i>
1.	Revista INMATEH - Agricultural Engineering
2	Revista „Ingenieria Automobilului” (Automotive Engineering)
3	The International Congress of Automotive and Road Transport Engineering - CAR 2017; <a href="http://www.car2017.ro/index.php/car/index/pages/view/sci_com">http://www.car2017.ro/index.php/car/index/pages/view/sci_com</a>

Recenzor

<i>Nr.crt</i>	<i>Manifestare / publicație (cu link)</i>
1	Revista „Ingenieria Automobilului” (Automotive Engineering)
2	Revista INMATEH - Agricultural Engineering

Reviste/manifestări științifice indexate BDI

Membru în comitete științific / Editor

<i>Nr.crt</i>	<i>Manifestare / publicație</i>
1.	COFRET 2020 - Colloque Francophone en Energie, Environnement, Economie et Thermodynamique 10e édition <a href="http://www.cofret2020.eu/index.php/cofret/index/pages/view/sci_com">http://www.cofret2020.eu/index.php/cofret/index/pages/view/sci_com</a>
2	The XXXI-st SIAR International Automotive and Transport Engineering Congress „Automotive and Integrated Transport Systems – AITS 2020” <a href="http://www.siarcongress.eu/index.php/aits/index/pages/view/sci_com">http://www.siarcongress.eu/index.php/aits/index/pages/view/sci_com</a>
3	International Congress - Science and Management of Automotive and Transportation SMAT 2019; <a href="http://www.smat2019.ro/index.php/smat/index/pages/view/org_com">http://www.smat2019.ro/index.php/smat/index/pages/view/org_com</a>
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9	International Conference of Mechanical Engineering - ICOME 2013; <a href="http://mecanica.ucv.ro/ViataAcademica/Conferinte/ICOME2013/Committees.html">http://mecanica.ucv.ro/ViataAcademica/Conferinte/ICOME2013/Committees.html</a>
10	International Conference of Mechanical Engineering - ICOME 2010; <a href="http://mecanica.ucv.ro/ViataAcademica/Conferinte/icom2010/index.htm">http://mecanica.ucv.ro/ViataAcademica/Conferinte/icom2010/index.htm</a>
11	International Congress - Science and Management of Automotive and Transportation - SMAT 2008 <a href="http://mecanica.ucv.ro/ViataAcademica/Conferinte/smat2008/comitete.html">http://mecanica.ucv.ro/ViataAcademica/Conferinte/smat2008/comitete.html</a>
12	International Congress - Science and Management of Automotive and Transportation - SMAT 2001 <a href="http://mecanica.ucv.ro">http://mecanica.ucv.ro</a>

Recenzor

<i>Nr.crt</i>	<i>Manifestare / publicație</i>
1	International Congress - Science and Management of Automotive and Transportation SMAT 2019; <a href="http://www.smat2019.ro/index.php/smat/index/pages/view/org_com">http://www.smat2019.ro/index.php/smat/index/pages/view/org_com</a>
2	International Conference of Mechanical Engineering - ICOME 2019;

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<i>Nr.crt</i>	<i>Manifestare / publicație</i>
	<a href="http://mecanica.ucv.ro/ViataAcademica/Conferinte/ICOME2019">http://mecanica.ucv.ro/ViataAcademica/Conferinte/ICOME2019</a>
3	The IV <sup>th</sup> International Congress of Automotive and Transport Engineering Automobiles, Mobility, Modeling, Alternative solution - AMMA 2018; <a href="http://www.amma2018.ro">http://www.amma2018.ro</a>
4	International Conference of Mechanical Engineering - ICOME 2017; <a href="http://mecanica.ucv.ro/ViataAcademica/Conferinte/ICOME2017">http://mecanica.ucv.ro/ViataAcademica/Conferinte/ICOME2017</a>
5	International Conference of Mechanical Engineering - ICOME 2015; <a href="http://mecanica.ucv.ro/ViataAcademica/Conferinte/ICOME2015">http://mecanica.ucv.ro/ViataAcademica/Conferinte/ICOME2015</a>
6	International Congress - Science and Management of Automotive and Transportation SMAT 2014; <a href="http://mecanica.ucv.ro/ViataAcademica/Conferinte/smat2014">http://mecanica.ucv.ro/ViataAcademica/Conferinte/smat2014</a>
7	International Conference of Mechanical Engineering - ICOME 2013; <a href="http://mecanica.ucv.ro/ViataAcademica/Conferinte/ICOME2013">http://mecanica.ucv.ro/ViataAcademica/Conferinte/ICOME2013</a>
8	International Conference of Mechanical Engineering - ICOME 2010; <a href="http://mecanica.ucv.ro/ViataAcademica/Conferinte/icome2010">http://mecanica.ucv.ro/ViataAcademica/Conferinte/icome2010</a>
9	International Congress - Science and Management of Automotive and Transportation - SMAT 2008 <a href="http://mecanica.ucv.ro/ViataAcademica/Conferinte/smat2008">http://mecanica.ucv.ro/ViataAcademica/Conferinte/smat2008</a>
10	International Congress - Science and Management of Automotive and Transportation - SMAT 2001 <a href="http://mecanica.ucv.ro">http://mecanica.ucv.ro</a>

**Experiență de management, analiză și evaluare în cercetare și/sau învățământ**

**Organizații internaționale**

**Conducere**

<i>Nr.crt</i>	<i>Manifestare / publicație</i>
1.	Society of Automotive Engineers International - S.A.E

**Membru / evaluator**

<i>Nr.crt</i>	<i>Manifestare / publicație</i>
1.	SPRINGER
2.	Trans Tech Publication

**Organizații naționale**

**Conducere**

<i>Nr.crt</i>	<i>Manifestare / publicație</i>
1.	Asociația de Cercetare Multidisciplinari Vest Romania - A.C.M.V.
2.	Societatea Inginerilor de Automobile din Romania - S.I.A.R.

**Membru / evaluator**

<i>Nr.crt</i>	<i>Manifestare / publicație</i>
1.	Asociația de Cercetare Multidisciplinara Vest Romania - A.C.M.V.
2.	Societatea Inginerilor de Automobile din Romania - S.I.A.R.
3.	Asociația Generală a Inginerilor din Romania
4.	Asociația Română de Tensometrie

**Referent în comisii de doctorat / abilitare; membru în echipe îndrumare doctorat**

**Național**

<i>Nr. crt</i>	<i>Titlul tezei de doctorat/Doctorand</i>	<i>Instituția organizatoare</i>
1.	"Cercetări privind evaluarea duratei de viață a unui produs metalic, funcție de proprietățile materialelor, tehnologiile de fabricare și condițiile de utilizare. Aplicație: ansamblul bieleță de direcție" - ing. SANDU Ionela Alina	Universitatea din Pitesti
2.	Cercetări privind funcționarea motoarelor cu aprindere prin comprimare la utilizarea motorinei și biodieselului din ulei de rapiță – ing. Alexandru Ionuț Gruia	Universitatea din Craiova
3.	„Contribuții la studiul comportamentului mecanic al materialelor compozite cu aplicații la automobile” – ing. Bolcu Alexandru	Universitatea din Craiova

Semnătura \_\_\_\_\_

<i>Nr. crt</i>	<i>Titlul tezei de doctorat/Doctorand</i>	<i>Instituția organizatoare</i>
4.	„Cercetări privind funcționarea motoarelor cu ardere internă la intervale îndelungate de staționare” – ing. Muscalagiu Marius Daniel	Universitatea din Craiova
5.	„Aspecte privind utilizarea biocombustibililor la motoarele cu ardere internă” - ing. Fazal Um Min Allah	Universitatea din Craiova
6.	„Cercetări privind stabilirea sistemului de tractoare și mașini agricole pentru actualele exploatații agricole, în vederea eficientizării economice a dotării tehnice” – ing. ec Iftimov Dumitru	Universitatea din Craiova
7.	”Optimizarea agregatelor formate din tractoare de putere mare cu mașini agricole pentru pregătirea terenului în vederea însămânțării” – Ing. Constantinescu Augustin	Universitatea „Transilvania,, din Brasov

#### Premii naționale în domeniu

<i>Nr. crt</i>	<i>Premiu</i>	<i>Organizație</i>
1.	Diploma de Onoare - Universitatea din Craiova - Aniversare Facultate de Mecanica - 2007	Universitatea din Craiova
2.	Diploma de Merit - Universitatea din Craiova Proiect SMIS 13613 - 2016	Universitatea din Craiova
3.	Diploma de Onoare - Aniversare Facultatea de Mecanica din Iasi - 2018	Universitatea Tehnica Gheorghe Asachi din Iasi

Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenență la organizații din domeniul educației și cercetării

#### Conducere asociații profesionale

##### Internaționale

<i>Nr.crt</i>	<i>Poziție</i>
1.	SAE INTERNATIONAL

##### Naționale

<i>Nr.crt</i>	<i>Poziție</i>
1.	Component în colectivul de conducere al Societății de Automobile din Romania

#### Membru în asociații profesionale

##### Internaționale

<i>Nr.crt</i>	<i>Poziție</i>	<i>Organizație</i>
1.	Membru	SAE
2.	Membru	S.I.A.
3.	Membru	EuAgrEng

##### Naționale

<i>Nr.crt</i>	<i>Poziție</i>	<i>Organizație</i>
1.	membru	SIAR
2.	membru	AGIR
3.	membru	ARTENS
4.	membru	ACMVE
5.	membru	SIMAR

Mai 2020

Semnătura \_\_\_\_\_