

Anexa nr. 17 – COMISIA INGINERIE MECANICĂ, MECATRONICĂ ȘI ROBOTICĂ

STANDARDE MINIMALE NECESARE ȘI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÎNTUL SUPERIOR ȘI A GRADELOR PROFESIONALE DE CERCETARE – DEZVOLTARE

Criterii minimale și obligatorii			
Domeniul de activitate		Indicatori	Profesor
Activitatea didactică / profesională (A1)	A1.1	N1	2
		N1.1	1
		N1.3	1
	A1.2	N2	4
		N2.1	2
Activitatea de cercetare (A2)	A2.1+	P1+P2	10
		A2.3	P1
	A2.2	N3	10
		N3.1	5
	A2.4+	N4	2
		A2.5	N4.3
Recunoașterea impactului activității (A3)	A3.1	S1+S2	50
	A3.2	N5	10
	A3.3	C	25

Unde:

$P1 = P1.1 + P1.2 + P1.3 + P1.4$ ;  $P2 = P2.1 + P2.2$ ;

$N1 = N1.1 + N1.2$ ;  $N2 = N2.1 + N2.2 + N2.3$ ;  $N3 = N3.1 + N3.2$ ;

$N4 = N4.1 + N4.2 + N4.3 + N4.4$

Criterii minimale și obligatorii – Țârulescu Stelian			
Domeniul de activitate		Indicatori	Profesor
Activitatea didactică / profesională (A1)	A1.1	N1	7
		N1.1	2
		N1.3	1
	A1.2	N2	4
		N2.1	2

Activitatea de cercetare (A2)	A2.1+	P1+P2	10,182
	A2.3	P1	10,182
	A2.2	N3	18
		N3.1	9
	A2.4+	N4	5
A2.5	N4.3	1	
Recunoașterea impactului activității (A3)	A3.1	S1+S2	56
	A3.2	N5	15
	A3.3	C	58,46

Tipul activităților	Activitate	Punctaj
<b>Activitatea didactică și profesională - DID (A1)</b>		
<b>A1.1 Manuale suport de curs (conform fișei disciplinei de concurs)</b>		
N1.1 Format tipărit/electronic (min 100 pag.) Coordonator/prim autor	1. Țârulescu, S. - Instalații de comandă și control ale circulației, Editura Universității Transilvania din Brașov, 2016, ISBN 978-606-19-0788-5, <a href="https://www.worldcat.org/oclc/1288689440">https://www.worldcat.org/oclc/1288689440</a>	1
	2. Țârulescu, S. - Metode numerice: Curs pentru Invatamant cu Frecventa Redusa editura: Reprografia Universitatii Transilvania din Brasov, 2009, ISBN 678-629-33-37-018-43, <a href="https://www.worldcat.org/oclc/1310205745">https://www.worldcat.org/oclc/1310205745</a>	1
	Subtotal N1.1	<b>2</b>
N1.2. Format tipărit/electronic (min 100 pag.) Co-autor	1. Țârulescu R., Țârulescu S., Mijloace de transport ecologice. (Versiune electronică CD), decembrie 2016, Editura Universității Transilvania din Brașov ISBN 978-606-19-0803-5, <a href="https://www.worldcat.org/oclc/1288696868">https://www.worldcat.org/oclc/1288696868</a>	1
	2. Florea D., Cofaru C., Țârulescu S., ș.a., Sisteme avansate de transport rutier, Editura Universitatii Transilvania din Brasov, 973-635-775-9, <a href="https://www.worldCat.org/oclc/895257524">https://www.worldCat.org/oclc/895257524</a>	1

	3. Țârulescu R., Țârulescu S., Ispas N., Sensors and control systems for vehicles, 2019, ISBN 978-606-19-1127-1, <a href="https://www.worldcat.org/oclc/1288698416">https://www.worldcat.org/oclc/1288698416</a>	1
	4. Țârulescu R., Țârulescu S., Bazele sistemelor automate, 2019, ISBN 978-606-19-1119-6, <a href="https://www.worldcat.org/oclc/1288699110">https://www.worldcat.org/oclc/1288699110</a>	1
	5. Țârulescu R., Țârulescu S., Vehicle mechatronics, 2019, ISBN 978-606-19-1128-8, <a href="https://www.worldcat.org/oclc/1288691703">https://www.worldcat.org/oclc/1288691703</a>	1
	Subtotal N1.2	<b>5</b>
N1.3 Format electronic disponibil pe platforma universității/departamentului (autor)	1. Țârulescu, S., Cofaru C., Ingineria și Legislația Mediului, Curs pentru Învățământ cu Frecvență Redusă, Editura Universității Transilvania din Brașov, 2017. <a href="https://elearning.unitbv.ro/course/view.php?id=90">https://elearning.unitbv.ro/course/view.php?id=90</a>	1
	Subtotal N1.3	<b>1</b>
<b>A1.2 Material didactic/dezvoltare laboratoare, aplicații</b>		

N2.1 Standuri laborator (construcție, modernizări)	1. Stand de cercetare și didactic - MOTOR TRANSPARENT: CELULA DE TESTARE cu echipamente: condiționare aer, alimentare combustibil, evaluare bilanț energetic, gaze de referință, evacuare gaze arse, transfer energie electrică în rețea, insonorizare: Celula fixă de testare. Valoarea Contractului: 110.000 Euro, parte componentă a proiectului: Institut de Cercetare Dezvoltare Inovare Produse High-Tech pentru Dezvoltare Durabilă PRODD, contract 11/2009 ID 132, SMIS 26, 106.241.478,82 lei, a Programului Operațional Sectorial "Creșterea Competitivității Economice" POS-CCE, "Investiții pentru viitorul Dumneavoastră", infrastructura Centrului de Cercetare CO2A, Contract POS-CCE - Produse high-tech pentru autovehicule, ICDT, Contract Nr. 11059 din 12.08.2013 - <a href="https://icdt.unitbv.ro/ro/centre-de-cercetare/produse-high-tech-pentru-autovehicule/infrastructur%C4%83.html">https://icdt.unitbv.ro/ro/centre-de-cercetare/produse-high-tech-pentru-autovehicule/infrastructur%C4%83.html</a>	1
	2. Stand de laborator didactic – Protecția și Ingineria Mediului / Controlul și Reducerea Poluării – echipamente: Analizor de gaze, Modelul GA-21plus cu senzori O2 și CO, NO, SO2, H2S, H2, calculare NO <sub>x</sub> și CO <sub>2</sub> , software pentru PC), 2013; Analizatorul de gaze portabil "IR MultiRAE", 2007; Anemometrul portabil "AIRFLOW TA460", 2007; Sonometrul portabil 2250, Brujel & Kjaer, 2010. Software: Software Madur al Analizorului de gaze portabil Madur Model GA 21 – plus; Software pentru Sonometrul portabil 2250, Brujel & Kjaer; Software pentru Anemometrul portabil AIRFLOW TA460 - <a href="https://icdt.unitbv.ro/ro/centre-de-cercetare/produse-high-tech-pentru-autovehicule/infrastructur%C4%83.html">https://icdt.unitbv.ro/ro/centre-de-cercetare/produse-high-tech-pentru-autovehicule/infrastructur%C4%83.html</a>	1
	Subtotal N2.1	<b>2</b>
N2.2 Îndrumar laborator/carte	1. Țârulescu, S. - Instalații de comandă și control a circulației, îndrumar de laborator, Editura Universității Transilvania din Brașov, 2016, ISBN 978-606-19-0766-3, <a href="http://www.worldcat.org/oclc/1288691395">http://www.worldcat.org/oclc/1288691395</a>	1

aplicații format tipărit sau electronic (autor, co-autor)	2. Țârulescu, S. - Protecția și ingineria mediului, Editura Universității Transilvania din Brașov, 2018, ISBN 978-606-19-1001-4, <a href="https://www.worldcat.org/oclc/1288695098">https://www.worldcat.org/oclc/1288695098</a>	1
	Subtotal N2.2	2
<b>Activitatea de cercetare științifică, dezvoltare tehnologică și inovare- CDI (A2)</b>		
<b>A2.1 Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS), unde n = nr. de autori și F1 Factorul de impact</b>		
Autor corespondent / prim autor  Pentru $n \leq 3$ [P1.1 = $2 \times (0,2+FI)$ ]  Pentru $n \geq 4$ [P1.2 = $2 \times 3 \times (0,2+FI)/n$ ]	1. Țârulescu, S., Țârulescu, R., Leahu, Cl. (2020). On-Board Measurement of Emissions from Spark Ignition Engine Vehicle for Urban Routes. In: Dumitru, I., Covaciu, D., Racila, L., Rosca, A. (eds) The 30th SIAR International Congress of Automotive and Transport Engineering. SMAT 2019. Springer, Cham. <a href="https://doi.org/10.1007/978-3-030-32564-0_29">https://doi.org/10.1007/978-3-030-32564-0_29</a> , <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000528526600029">WOS:000528526600029</a> , <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000528526600029">https://www.webofscience.com/wos/woscc/full-record/WOS:000528526600029</a>	0,4
	2. Țârulescu S., Țârulescu R., Șoica A., Leahu C. I., Smart Transportation CO2 Emission Reduction Strategies, IOP Conference Series: Materials Science and Engineering, Volume 252, Conference 1, indexare ISI 2018, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000419817200051">WOS:000419817200051</a> , <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000419817200051">https://www.webofscience.com/wos/woscc/full-record/WOS:000419817200051</a>	0,3

	<p>3. Țârulescu S., Țârulescu R., Researches on Combustion Quality for a Single Cylinder Diesel Engine, 12th International Congress of Automotive and Transport Engineering (CONAT), DOI: 10.1007/978-3-319-45447-4_48, ISBN:978-3-319-45447-4, indexare ISI 2017, <b>WOS:000390821400048</b>, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000390821400048">https://www.webofscience.com/wos/woscc/full-record/WOS:000390821400048</a></p>	0,4
	<p>4. Țârulescu S., Țârulescu R., Urban Transportation Solutions for the CO2 Emissions Reduction Contributions, 12th International Congress of Automotive and Transport Engineering (CONAT), DOI: 10.1007/978-3-319-45447-4_49, ISBN:978-3-319-45447-4, indexare ISI 2017, <b>WOS:000390821400049</b>, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000390821400049">https://www.webofscience.com/wos/woscc/full-record/WOS:000390821400049</a></p>	0,4
	<p>5. Țârulescu, S., Cofaru, C., The Methodology of Chemical Pollutants Approximation Model, The 3rd International Conference on Urban Planning and Transportation (UPT '10), Corfu Island, Greece, July 22-24, 2010, ISBN: 978-960-474-204-2, <b>WOS:000301093100018</b>, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000301093100018">https://www.webofscience.com/wos/woscc/full-record/WOS:000301093100018</a></p>	0,4
	<p>6. Țârulescu, S., Țârulescu, R., Șoica, A., Approximation of the carbon monoxide concentration resulting from the road traffic using experimental measurements, The 20 th International DAAAM Symposium, 25-28 nov. 2009, Viena, ISSN 1726-9679, <b>WOS:000282335600933</b>, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000282335600933">https://www.webofscience.com/wos/woscc/full-record/WOS:000282335600933</a></p>	0,4

	<p>7. Țârulescu S., Țârulescu R., Soica A., Mathematical model of pollution compounds calculus in function of traffic capacity from urban areas, Proceedings of the 1st WSEAS International Conference on Multivariate Analysis and its Application in Science and Engineering (MAASE 08), Istanbul, Turcia, 27-30 mai 2008, ISSN: 1790-5117, ISBN: 978-960-6766-65-7, ISI Thomson Reuters. <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000257948800018">https://www.webofscience.com/wos/woscc/full-record/WOS:000257948800018</a></p>	0,4
	<p>8. Țârulescu S., Țârulescu R., Țoica A., Pollution level produced at engine start for a hybrid vehicle, European Automotive Congress, EAEC-ESFA'15 006B – FEP, November 25 - 27, 2015, ISSN 2067-1083, p 54-61, Volume21Issue4Page143-149, Published DEC 2015Ingineria Autovehiculului, <b>FI=0,1</b></p> <p><a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000434566500005">https://www.webofscience.com/wos/woscc/full-record/WOS:000434566500005</a></p>	0,6
	<p>9. Țârulescu, S., Țârulescu, R., Țoica, A., Approximation of the carbon monoxide concentration resulting from the road traffic using experimental measurements, The 20 th International DAAAM Symposium, 25-28 nov 2009, Viena, ISSN 1726-9679, ANNALS OF DAAAM FOR 2009 &amp; PROCEEDINGS OF THE 20TH INTERNATIONAL DAAAM SYMPOSIUM, Volume20, Page 1865-1866, Annals of DAAAM and Proceedings, 2009, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000282335600933">https://www.webofscience.com/wos/woscc/full-record/WOS:000282335600933</a></p>	0,4
	Subtotal P1.1 + P1.2	<b>3,7</b>

<p>Co-autor</p> <p>Pentru <math>n \leq 3</math> [P1.3 = <math>0,2+FI</math>]</p> <p>Pentru <math>n \geq 4</math> [P1.4 = <math>3 \times (0,2+FI)/n</math>]</p>	<p>1. Țârulescu, R., Țârulescu, S., Leahu, Cl., Luca-Motoc, D. (2020). Marine Ship Equipped with Air Turbine – Electric Generator Aggregate. In: Dumitru, I., Covaciu, D., Racila, L., Rosca, A. (eds) The 30th SIAR International Congress of Automotive and Transport Engineering. SMAT 2019. Springer, Cham. 0,15</p> <p><a href="https://doi.org/10.1007/978-3-030-32564-0_22">https://doi.org/10.1007/978-3-030-32564-0_22</a>,  <b>WOS:000528526600022</b>,  <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000528526600022">https://www.webofscience.com/wos/woscc/full-record/WOS:000528526600022</a></p>
	<p>2. Chiru A., Țârulescu, S., Testing and approval of internal combustion engines, Ingineria Autovehiculului, (50), pp.2-2, martie 2019, <b>WOS:000486368200001</b>, <b>FI=0,1</b> 0,3</p> <p><a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000486368200001">https://www.webofscience.com/wos/woscc/full-record/WOS:000486368200001</a></p>
	<p>3. Leahu, Cl., Țârulescu, S., Radu S., Steady state engine efficiency specific to series hybrid electric vehicles, Ingineria Autovehiculului, (50), pp.19-22, martie 2019, <b>WOS:000486368200008</b>, <b>FI=0,1</b> 0,3</p> <p><a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000486368200008">https://www.webofscience.com/wos/woscc/full-record/WOS:000486368200008</a></p>
	<p>4. Florea, D., Covaciu, D., Timar J., Țârulescu, S. (2019). Critical Evaluation of the Pedestrian Walking Distances on the Congested Urban Networks. 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. 0,15</p> <p><a href="https://doi.org/10.1007/978-3-319-94409-8_86">https://doi.org/10.1007/978-3-319-94409-8_86</a>,  <b>WOS:000578264900086</b>,  <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000578264900086">https://www.webofscience.com/wos/woscc/full-record/WOS:000578264900086</a></p>



	<p>5. Leahu, Cl., Radu, S., Țârulescu, S., Țârulescu, R. (2019). Usage of Electric Motors/Generators for Engines Supercharging in Order to Increase the Efficiency of Exhaust Gas Energy Recovery. 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. <a href="https://doi.org/10.1007/978-3-319-94409-8_64">https://doi.org/10.1007/978-3-319-94409-8_64</a>, WOS:000578264900064, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000578264900064">https://www.webofscience.com/wos/woscc/full-record/WOS:000578264900064</a></p>	0,15
	<p>6. Luca Motoc, D., Țârulescu, R., Țârulescu, S., Șoica, A. (2019). Designing Hybrid BF/FF Epoxy Based Composites with Tailorable Dielectric Properties. 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. <a href="https://doi.org/10.1007/978-3-319-94409-8_40">https://doi.org/10.1007/978-3-319-94409-8_40</a>, WOS:000578264900040, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000578264900040">https://www.webofscience.com/wos/woscc/full-record/WOS:000578264900040</a></p>	0,15
	<p>7. Țârulescu, R., Țârulescu, S., Șoica, A. (2019). Optimization of Cooling System for Internal Combustion Engines. 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. <a href="https://doi.org/10.1007/978-3-319-94409-8_62">https://doi.org/10.1007/978-3-319-94409-8_62</a>, WOS:000578264900062, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000578264900062">https://www.webofscience.com/wos/woscc/full-record/WOS:000578264900062</a></p>	0,2

	<p>8. Leahu, Cl., Țârulescu, S., Țârulescu, R., The exhaust gas temperature control through an adequate thermal management of the engine, Published under licence by IOP Publishing Ltd, IOP Conference Series: Materials Science and Engineering, Volume 444, Issue 7, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000467443600123">WOS:000467443600123</a>, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:00046744360012">https://www.webofscience.com/wos/woscc/full-record/WOS:00046744360012</a></p>	0,2
	<p>9. Manea L., Manea A., Florea D., Țârulescu S., Road Traffic Noise Pollution Analysis for Cernavoda City, IOP Conference Series: Materials Science and Engineering, Volume 252, Conference 1, indexare ISI 2018, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000419817200057">WOS:000419817200057</a>, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000419817200057">https://www.webofscience.com/wos/woscc/full-record/WOS:000419817200057</a></p>	0,15
	<p>10. Țârulescu R., Țârulescu S., Șoica A., Leahu C. I., Downforce variation dependence of angle of incidence modification for the rear wing of high speed vehicles, IOP Conference Series: Materials Science and Engineering, Volume 252, Conference 1, indexare ISI 2018, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000419817200025">WOS:000419817200025</a>, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000419817200025">https://www.webofscience.com/wos/woscc/full-record/WOS:000419817200025</a></p>	0,15
	<p>11. Țârulescu R., Țârulescu S., Electronic Control Systems of E-Smart Vehicle, 12th International Congress of Automotive and Transport Engineering (CONAT), DOI: 10.1007/978-3-319-45447-4_49, ISBN:978-3-319-45447-4, indexare ISI 2017, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000390821400056">WOS:000390821400056</a>, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000390821400056">https://www.webofscience.com/wos/woscc/full-record/WOS:000390821400056</a></p>	0,2

	<p>12. Țârulescu R., Țârulescu S., Battery Management System of E-Smart Vehicle, 12th International Congress of Automotive and Transport Engineering (CONAT), DOI: 10.1007/978-3-319-45447-4_49, ISBN:978-3-319-45447-4, indexare ISI 2017, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000390821400057">WOS:000390821400057</a>, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000390821400057">https://www.webofscience.com/wos/woscc/full-record/WOS:000390821400057</a></p>	0,2
	<p>13. Tolea B., Țârulescu S., Trusca D. D., Toganel G., Radu A. I., The Assessment of the Head Injury of a Pedestrian in Comparison with a Cyclist, 12th International Congress of Automotive and Transport Engineering (CONAT), DOI: 10.1007/978-3-319-45447-4_49, ISBN:978-3-319-45447-4, indexare ISI 2017, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000390821400088">WOS:000390821400088</a>, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000390821400088">https://www.webofscience.com/wos/woscc/full-record/WOS:000390821400088</a></p>	0,12
	<p>14. Dogariu D. M., Chiru A., Țârulescu S., Lazar M., Aspects Concerning Modeling of Combustion for Compression Ignition Engine with Injection Management, 12th International Congress of Automotive and Transport Engineering (CONAT), DOI: 10.1007/978-3-319-45447-4_48, ISBN:978-3-319-45447-4, indexare ISI 2017, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000390821400022">WOS:000390821400022</a>, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000390821400022">https://www.webofscience.com/wos/woscc/full-record/WOS:000390821400022</a></p>	0,15
	<p>15. Dogariu D. M., Chiru A., Țârulescu S., Lazar M., Stancu V. S., Study on Mixture Formation at an Experimental Spark Ignition Engine, 12th International Congress of Automotive and Transport Engineering (CONAT), DOI: 10.1007/978-3-319-45447-4_48, ISBN:978-3-319-45447-4, indexare ISI 2017, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000390821400021">WOS:000390821400021</a>, <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000390821400021">https://www.webofscience.com/wos/woscc/full-record/WOS:000390821400021</a></p>	0,12

	<p>16. Șoica A., Țârulescu S., "Impact phase in frontal vehicle-pedestrian collisions "; International Journal Of Automotive Technology, 2016, Volume: 17 Issue: 3 Pages: 387-397 DOI: 10.1007/s12239-016-0040-y 2016, ISSN: 1229-9138, <b>WOS:000375449200004, FI=1,6</b></p> <p><a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000375449200004">https://www.webofscience.com/wos/woscc/full-record/WOS:000375449200004</a></p>	<p><b>1,8</b></p>
	<p>17. Leahu C.I., Țârulescu S., The influence of thermal regime on gasoline direct injection engine performance and emissions, 7th International Conference on Advanced Concepts in Mechanical Engineering, 2016, IOP Conf. Ser.: Mater. Sci. Eng. 147 012127 (<a href="http://iopscience.iop.org/1757-899X/147/1/012127">http://iopscience.iop.org/1757-899X/147/1/012127</a>), indexare ISI 2016, <b>WOS:000390720200127,</b></p> <p><a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000390720200127">https://www.webofscience.com/wos/woscc/full-record/WOS:000390720200127</a></p>	<p>0,2</p>
	<p>18. Țârulescu, R. Țârulescu, S., Measurement Methods for the Path Deviation of Mobile Robots Determination of linear and angular deviation, Proceedings of the 2015 7th international conference on electronics, computers and artificial intelligence (ECAI) Book Series: International Conference on Electronics Computers and Artificial Intelligence Pages: P91-P94, 2015, ISSN: 2378-7147, <b>WOS:000370971100124,</b></p> <p><a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000370971100124">https://www.webofscience.com/wos/woscc/full-record/WOS:000370971100124</a></p>	<p>0,2</p>

	<p>19. Cofaru, C., Țârulescu, S., Study Regarding Air Pollution Produced by Vehicles and a Prediction Model of Chemical Pollutants, Proceedings of the 2nd International Conference on ENVIRONMENTAL and GEOLOGICAL SCIENCE and ENGINEERING (EG '09), Braşov, 2009, ISSN: 1790-2769, ISBN: 978-960-474-119-9, ISI Thomson Reuters, <b>WOS:000272960100037</b>,</p> <p><a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000272960100037">https://www.webofscience.com/wos/woscc/full-record/WOS:000272960100037</a></p>	0,2
	<p>20. Truşcă D., Benea B., Şoica A., Țârulescu S., Modelling passenger human model behavior in the case of rear impact, proceedings of the 2-nd WSEAS International Conference on Multivariate Analysis and Its Application in Science and Engineering, Book Series: Mathematics and Computers in Science Engineering, pages 125-128, Istanbul, 2009, ISSN: 1790-5117, ISBN: 978-960-474-083-3, <b>WOS:000271229500017</b>,</p> <p><a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000271229500017">https://www.webofscience.com/wos/woscc/full-record/WOS:000271229500017</a></p>	0,15
	<p>21. Taus N., Țârulescu S., Idomir M., Taus R., Respiratory exposure to air pollutants, Journal of Environmental Protection and Ecology 9, No 1, 15-25 (2008), ISSN 1311-5065, ISI indexed Factor de Impact, SCOPUS indexed SJR 0.035, SNIP 0.051, <b>WOS:000255086100002, FI=0,692</b> (2018)</p> <p><a href="https://drive.unitbv.ro/s/xkHZTTXbzAtiQzP">https://drive.unitbv.ro/s/xkHZTTXbzAtiQzP</a></p> <p><a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000255086100002">https://www.webofscience.com/wos/woscc/full-record/WOS:000255086100002</a></p>	<b>0,892</b>

	22. Manea L., Manea A., Tarulescu S., Florea D., Capacity and Traffic Performance Depending on Intersections Design,  PROCEEDINGS OF THE 4TH INTERNATIONAL CONGRESS OF AUTOMOTIVE AND TRANSPORT ENGINEERING (AMMA 2018), Page721-728, DOI10.1007/978-3-319-94409-8_84,  <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000578264900084">https://www.webofscience.com/wos/woscc/full-record/WOS:000578264900084</a>	0,15
	23. Cofaru, C., Țârulescu, S., Study Regarding Air Pollution Produced by Vehicles and a Prediction Model, PROCEEDINGS OF THE 2ND INTERNATIONAL CONFERENCE ON ENVIRONMENTAL AND GEOLOGICAL SCIENCE AND ENGINEERING, Page268-273, Mathematics and Computers in Science and Engineering, 2009,  <a href="https://www.webofscience.com/wos/woscc/full-record/WOS:000272960100046">https://www.webofscience.com/wos/woscc/full-record/WOS:000272960100046</a>	0,2
Subtotal P1.3+P1.4		<b>6,482</b>
<b>Subtotal P1</b>		<b>10,182</b>
<b>A2.2. Articole și publicații științifice BDI neincluse la A2.1</b>		
Autor corespondent/prim autor  N3.1 = număr	1. Țârulescu S., Beles H., Șoica A., Chioreanu N., Mitran T., Predict Air Pollution in Brasov City with Regression Models, Applied Mechanics and Materials Vol. 659 (2014) pp 617-622,  <a href="https://www.proquest.com/docview/1586089351?sourcetype=Scholarly%20Journals">https://www.proquest.com/docview/1586089351?sourcetype=Scholarly%20Journals</a>	1

	<p>2. Țârulescu, S. Țârulescu, R., Chemical pollution produced by the heavy vehicles in urban areas, The 11th International Congress on Automotive and Transport Engineering CONAT 2010, Volume IV-Advanced Transport Systems and Road Traffic, ISSN 2069-0401, 2010,  <a href="https://conat.ro/public/conferences/1/schedConfs/4/program-en_US.pdf">https://conat.ro/public/conferences/1/schedConfs/4/program-en_US.pdf</a></p>	1
	<p>3. Țârulescu, S. Țârulescu, R., Road traffic chemical pollution modeling system, The 11th International Congress on Automotive and Transport Engineering CONAT 2010, Volume IV-Advanced Transport Systems and Road Traffic, ISSN 2069-0401, 2010,  <a href="http://aspekt.unitbv.ro/jspui/bitstream/123456789/127/1/CONAT20103017-Paper.pdf">http://aspekt.unitbv.ro/jspui/bitstream/123456789/127/1/CONAT20103017-Paper.pdf</a></p>	1
	<p>4. Țârulescu S., Țârulescu R., Leahu C.I., Optimizing Combustion in an Single Cylinder GDI SI Engine, Proceedings of the European Automotive Congress EAEC-ESFA 2015, Springer Cham Heidelberg New York Dordrecht London, ISBN 978-3-319-27275-7 ISBN 978-3-319-27276-4 (eBook), DOI 10.1007/978-3-319-27276-4, Library of Congress Control Number: 2015955888 p. 395-404,  <a href="https://www.researchgate.net/publication/301261871_Optimizing_Combustion_in_an_Single_Cylinder_GDI_SI_Engine">https://www.researchgate.net/publication/301261871_Optimizing_Combustion_in_an_Single_Cylinder_GDI_SI_Engine</a></p>	1
	<p>5. Țârulescu S., Cofaru C., Țârulescu R., Cold Engine's Operating Regime Influence over the Exhaust Emissions, Applied Mechanics and Materials, Vol. 822, baza date: Scopus ISSN: 1662-7482, 2016,  <a href="https://www.researchgate.net/publication/290522961_Cold_Engine's_Operating_Regime_Influence_over_the_Exhaust_Emissions">https://www.researchgate.net/publication/290522961_Cold_Engine's_Operating_Regime_Influence_over_the_Exhaust_Emissions</a></p>	1

	<p>6. Țârulescu S., Țoica A., Emissions level approximation at cold start for spark ignition engine vehicles, Applied Mechanics and Materials Vol. 555 (2014) pp 375-384, <a href="https://imt.uoradea.ro/auo.fmte/files-2015-v2/Tarulescu%20Stelian,%20Adrian%20Soica,%20Radu%20Tarulescu%20-%20EMISSIONS%20LEVEL%20APPROXIMATION%20AT%20COLD%20START%20FOR%20DIESEL%20VEHICLES.pdf">https://imt.uoradea.ro/auo.fmte/files-2015-v2/Tarulescu%20Stelian,%20Adrian%20Soica,%20Radu%20Tarulescu%20-%20EMISSIONS%20LEVEL%20APPROXIMATION%20AT%20COLD%20START%20FOR%20DIESEL%20VEHICLES.pdf</a></p>	1
	<p>7. Țârulescu, S. Țârulescu, R., Pedestrian exposure to air pollution along a major road in brasov city center, CAR 2011 International Automotive Congress, Automotive Engineering and Environment, ISSN 1453 – 1100, <a href="https://go.fisita.com/store/papers/CAR2011/CAR2011-1184?search=53616c7465645f5fb0a6961f81128187b6c80969c5afa9f8b2b2e3ae6957f3eeda03b8f8885cae276729d1c5c9a6bed6029a8da84dbc11400bd50ac2eb1911104e7926311af50d53ac202d4b887dfae51ca687a88cafe4089ab538f4c47e7dc0434bfa0e7a96347072fa982e1c898819c3cfe5e0f5ef1e49f407082b12bca839bd1974817878fe5f0d033b2026caa90e76f8fd90239596bd6b4c3add75d2f505">https://go.fisita.com/store/papers/CAR2011/CAR2011-1184?search=53616c7465645f5fb0a6961f81128187b6c80969c5afa9f8b2b2e3ae6957f3eeda03b8f8885cae276729d1c5c9a6bed6029a8da84dbc11400bd50ac2eb1911104e7926311af50d53ac202d4b887dfae51ca687a88cafe4089ab538f4c47e7dc0434bfa0e7a96347072fa982e1c898819c3cfe5e0f5ef1e49f407082b12bca839bd1974817878fe5f0d033b2026caa90e76f8fd90239596bd6b4c3add75d2f505</a></p>	1
	<p>8. Țârulescu, S. Țârulescu, R., A prediction model for urban air pollution in Brasov city, CAR 2011 International Automotive Congress, Automotive Engineering and Environment, ISSN 1453 – 1100, <a href="https://go.fisita.com/store/papers/CAR2011/CAR2011-1185">https://go.fisita.com/store/papers/CAR2011/CAR2011-1185</a></p>	1



	9. Țârulescu, S., Benche V., Țârulescu, R., Urban areas chemical pollution in function of the traffic flow size and composition, International congress Automotive, safety and environment, second edition, SMAT 2008, 23-25 Oct. 2008, Craiova, ISBN 978-606-510-253-8, <a href="http://mecanica.ucv.ro/ViataAcademica/Conferinte/smat2008/nou/Listalucrari.pdf">http://mecanica.ucv.ro/ViataAcademica/Conferinte/smat2008/nou/Listalucrari.pdf</a>	1
	Subtotal N3.1	<b>9</b>
Co-autor N3.2 = număr	1. Țoica A., Țârulescu S., Ispas N., An Theoretical Approach upon the Stiffness of Vehicle Resistance Structure Submitted to an Axial Impact, Applied Mechanics and Materials Vol. 659 (2014) pp 250-255, <a href="https://citeseerx.ist.psu.edu/document?repid=rep1&amp;type=pdf&amp;doi=56df7c610a30d73e3d9126d969e4b44a96c97058">https://citeseerx.ist.psu.edu/document?repid=rep1&amp;type=pdf&amp;doi=56df7c610a30d73e3d9126d969e4b44a96c97058</a>	1
	2. Chiorenu N., Mitran T., Țârulescu S., Beles H., Țoica A., Simulation of the Free Piston's Movement from the Single Regime Running Thermo-Hydraulic Generator, Applied Mechanics and Materials Vol. 659 (2014) pp 171-176, <a href="https://www.researchgate.net/publication/281028772_Simulation_of_the_Free_Piston's_Movement_from_the_Single_Regime_Running_Thermo-Hydraulic_Generator">https://www.researchgate.net/publication/281028772_Simulation_of_the_Free_Piston's_Movement_from_the_Single_Regime_Running_Thermo-Hydraulic_Generator</a>	1
	3. Trușcă, D., Țoica, A., Țârulescu, S., Plăiașu, A., Influence of Various Anthropometric Constitution of Pedestrian in case of Vehicle Pedestrian Impact, The 11th International Congress on Automotive and Transport Engineering CONAT 2010, Volume IV-Advanced Transport Systems and Road Traffic, ISSN 2069-0401, 2010, <a href="http://aspeckt.unitbv.ro/jspui/handle/123456789/158">http://aspeckt.unitbv.ro/jspui/handle/123456789/158</a>	1

	<p>4. Șoica, A., Năstăsoiu, M., Ispas, N., Țârulescu, S., Mathematical model of human body head and thorax injury level simulation following the motor vehicle - pedestrians collisions, The 11th International Congress on Automotive and Transport Engineering CONAT 2010, Volume IV-Advanced Transport Systems and Road Traffic, ISSN 2069-0401, 2010, <a href="https://www.researchgate.net/publication/262732192_MATHEMATICAL_MODEL_OF_HUMAN_BODY_HEAD_AND_THORAX_INJURY_LEVEL_SIMULATION_FOLLOWING_THE_MOTOR_VEHICLE_-_PEDESTRIANS_COLLISIONS">https://www.researchgate.net/publication/262732192_MATHEMATICAL_MODEL_OF_HUMAN_BODY_HEAD_AND_THORAX_INJURY_LEVEL_SIMULATION_FOLLOWING_THE_MOTOR_VEHICLE_-_PEDESTRIANS_COLLISIONS</a></p>	1
	<p>5. Șoica A., Țârulescu S., "Analysis of the Deformation Mode and Determination of the Energy Dissipated by the Resistance Structure of the Vehicles", Applied Mechanics and Materials, Vol. 772, pp. 79-83, Jul. 2015, <a href="https://www.scientific.net/AMM.772.79">https://www.scientific.net/AMM.772.79</a></p>	1
	<p>6. Cofaru, C., Florea, D., Țârulescu, S. Țârulescu, R., Dimensioning of the hydrostatic transmission with primary adjustment for a road vehicle, International congress Automotive, safety and environment, second edition, SMAT 2008, 23-25 Oct. 2008, Craiova, ISBN 978-606-510-253-8, <a href="http://mecanica.ucv.ro/ViataAcademica/Conferinte/smat2008/nou/ListeLucrari.pdf">http://mecanica.ucv.ro/ViataAcademica/Conferinte/smat2008/nou/ListeLucrari.pdf</a></p>	1

	<p>7. Cofaru C., Țârulescu S., Țârulescu R., The influence of the road traffic composition and the meteorological conditions over the chemical pollution in urban areas, The 1st International Conference MOTOR VEHICLE AND TRANSPORTATION, MVT2006, Timișoara, 2006, ISBN – 10: 973-638-284-2, ISBN – 13: 978-973-638-284-0,</p> <p><a href="https://go.fisita.com/store/papers/MVT2006/MVT20064005k?search=53616c7465645f5f03cbe8b16d2d3b48f2c543e21ee5557c5065815b06ca8a62cd317aed4a0a97f4d23b31a16a8e4de5dfd67e21ad39a8739ca2e52c5a083b58a12ffa85022c9c683b435453f0816f1234c771a819261d1b1c24cc8c305525ffb440f24c515ec3754de36e71ac90d5056bbe7c0c563a307e510209c0260ee8f1be98438c65aba3ecc4e6bc88a6aaf7bde069cca4add0a7eaecac641b705b148b">https://go.fisita.com/store/papers/MVT2006/MVT20064005k?search=53616c7465645f5f03cbe8b16d2d3b48f2c543e21ee5557c5065815b06ca8a62cd317aed4a0a97f4d23b31a16a8e4de5dfd67e21ad39a8739ca2e52c5a083b58a12ffa85022c9c683b435453f0816f1234c771a819261d1b1c24cc8c305525ffb440f24c515ec3754de36e71ac90d5056bbe7c0c563a307e510209c0260ee8f1be98438c65aba3ecc4e6bc88a6aaf7bde069cca4add0a7eaecac641b705b148b</a></p>	1
	<p>8. Cofaru C., Florea D., Țârulescu S., The influence of the modified geometrical parameters of an intersection over the traffic flows, International Congress Automobile, Environment and Farm Machinery, AMMA2007, Cluj-Napoca, ISSN 1221-5872,</p> <p><a href="https://go.fisita.com/store/papers/AMMA07/AMMA200730229_34">https://go.fisita.com/store/papers/AMMA07/AMMA200730229_34</a></p>	1
	<p>9. Șoica, A., Luca Motoc, D., Țârulescu, S., Influence of bumper design on pedestrian injuries, The 20 th International DAAAM Symposium, 25-28 nov 2009, Viena, ISSN 1726-9679,</p> <p><a href="http://aspekt.unitbv.ro/jspui/bitstream/123456789/137/1/daaam%20soica.pdf">http://aspekt.unitbv.ro/jspui/bitstream/123456789/137/1/daaam%20soica.pdf</a></p>	1
	Subtotal N3.1	<b>9</b>
	Subtotal N3	<b>18</b>
<b>A2.5 Monografii/cărți de specialitate, format tipărit/electronic (min. 100 pag.)</b>		

Coordonator/prim autor N4.3 = număr	1. ârulescu S., Țârulescu R, Țârulescu N., Metodica și aparatura pentru analiza datelor de trafic rutier, Editura GlobeEdit, 2020, ISBN: 978-613-9-41804-6, <a href="https://my.globeedit.com/catalog/details/store/se/book/978-613-9-41804-6/metodica-%C8%99i-aparatura-pentru-analiza-datelor-de-trafic-rutier">https://my.globeedit.com/catalog/details/store/se/book/978-613-9-41804-6/metodica-%C8%99i-aparatura-pentru-analiza-datelor-de-trafic-rutier</a>	1
Co-autor N4.4 = număr	1. Chiru A., Țârulescu, S. - Echipamente și proceduri destinate cercetării motoarelor cu ardere internă, Editura Universității Transilvania din Brașov, 2015, ISBN 978-606-19-0706-9, <a href="https://www.worldcat.org/oclc/1288693758">https://www.worldcat.org/oclc/1288693758</a>	1
	2. Chiru A., Țârulescu, S., Testarea și omologarea motoarelor cu ardere internă, Editura Matrix Rom, București, 2018, <a href="https://www.matrixrom.ro/produs/testarea-si-omologarea-motoarelor-cu-ardere-interna/">https://www.matrixrom.ro/produs/testarea-si-omologarea-motoarelor-cu-ardere-interna/</a>	1
	3. Țârulescu R., Țârulescu S., Mijloace de transport ecologice. Autobuze electrice și troleibuze, decembrie 2016, Editura Universității Transilvania din Brașov ISBN 978-606-19-0804-2, <a href="https://www.worldcat.org/oclc/1288690899">https://www.worldcat.org/oclc/1288690899</a>	1
	4. Cofaru C., Florea D., Țârulescu S., ș.a., Advanced road transport systems, Editura Universitatii Transilvania din Brasov, ISBN: 978-973-635-776-3, 2007, <a href="https://www.worldcat.org/oclc/895257526">https://www.worldcat.org/oclc/895257526</a>	1
Subtotal N4		<b>5</b>
<b>Recunoașterea și impactul activității - RIA (A3)</b>		
<b>A3.1 Atragere resurse financiare prin granturi/proiecte/contracte terți</b>		

<p>Director sau responsabil partener la grant/proiect câștigat prin competiție națională sau internațională</p> <p>S1 = sumă echivalentă în mii Euro</p>	<p>1. 8040/14.07.2107, Sistem de reducere a concentrației dioxidului de carbon din gazele de evacuare a motoarelor termice, - competiția 2017 "Granturi pentru tineri cercetători", Universitatea Transilvania din Brașov, 25000 lei <a href="https://www.unitbv.ro/223-burse-si-granturi-unitbv/1012-granturi-finantate-de-unitbv.html">https://www.unitbv.ro/223-burse-si-granturi-unitbv/1012-granturi-finantate-de-unitbv.html</a></p>	<p>5</p>
<p>Membru în echipă la grant/proiect câștigat prin competiție națională sau internațională, proiecte/contracte terți</p> <p>S2 = sumă echivalentă în mii Euro</p>	<p>1. CEEX nr. 205885/18.09.2006, Studiul interacțiunii aerodinamice automobil - cale de rulare, 2008 – 700 lei <a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a></p> <p>2. Proiect IDEI ID_130 "Influența profilului frontal al caroseriei asupra vătămării pietonilor", proiect PN CD II, perioada: 2007 – 2009, <a href="https://unitbv.ro/documente/cercetare/rezultatele-cercetarii/proiecte/proiecte-nationale/Arhiva_proiecte_nationale_site_actualizat_ianuarie_2024.pdf">https://unitbv.ro/documente/cercetare/rezultatele-cercetarii/proiecte/proiecte-nationale/Arhiva_proiecte_nationale_site_actualizat_ianuarie_2024.pdf</a></p> <p>2008 – 2500 lei, 2010 – 410 lei <a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a></p>	<p>0,14</p> <p>0,58</p>

	<p>3. Proiect CEE X2C34/2006, Cod MEC 1589, Managementul creșterii mobilității urbane și modalități de implementare a soluțiilor durabile, menit să satisfacă cerințele sociale și economice de perspectivă, în traficul rutier, <a href="https://www.unitbv.ro/documente/cercetare/rezultatele-cercetarii/proiecte/proiecte-nationale/Arhiva_proiecte_nationale_site_actualizat_1_ianuarie_2018.pdf">https://www.unitbv.ro/documente/cercetare/rezultatele-cercetarii/proiecte/proiecte-nationale/Arhiva_proiecte_nationale_site_actualizat_1_ianuarie_2018.pdf</a></p> <p>2008 – 3500 lei, <a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a></p>	0,7
	<p>4. CEE X2C28/2006, faza a V-a, Algoritmi evoluati pentru controlul vehiculelor hibride, 2008 – 5254 lei, <a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a></p>	1,05
	<p>5. Contract CEE X1C01/03.10.2005, Posibilitățile si limitele ecologizării transportului urban prin utilizarea combustibililor proveniți din uleiuri vegetale, partener Universitatea Transilvania din Brașov,, <a href="https://unitbv.ro/documente/cercetare/rezultatele-cercetarii/proiecte/proiecte-nationale/Arhiva_proiecte_nationale_site_actualizat_ianuarie_2024.pdf">https://unitbv.ro/documente/cercetare/rezultatele-cercetarii/proiecte/proiecte-nationale/Arhiva_proiecte_nationale_site_actualizat_ianuarie_2024.pdf</a></p> <p>2008 – 7000 lei <a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a></p>	1,4

	<p>6. Proiect de cercetare cu terți 25254/03.08.2009, Studiu de trafic în municipiul Călărași, 2009 – 2010, <a href="https://unitbv.ro/documente/cercetare/rezultatele-cercetarii/proiecte/contracte-terti/Arhiva_CONTRACTE_CU_TERTI_31_ian_2024_site.pdf">https://unitbv.ro/documente/cercetare/rezultatele-cercetarii/proiecte/contracte-terti/Arhiva CONTRACTE CU TERTI 31 ian 2024 site.pdf</a></p> <p>2009 – 5000 lei</p> <p><a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a></p>	1
	<p>PN II 3733-7220/2008, Cercetări privind controlul inteligent al unui sistem de propulsie electric hibrid cu transmisie continuă (CVT), 2010 – 1230 lei, 2011 – 844 lei</p> <p><a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a></p> <p><a href="https://unitbv.ro/documente/cercetare/rezultatele-cercetarii/proiecte/proiecte-nationale/Arhiva_proiecte_nationale_site_actualizat_ianuarie_2024.pdf">https://unitbv.ro/documente/cercetare/rezultatele-cercetarii/proiecte/proiecte-nationale/Arhiva proiecte nationale site actualizat ianuarie 2024.pdf</a></p>	0,41
	<p>7. Institut de Cercetare Dezvoltare Inovare Produse HighTech pentru Dezvoltare Durabila PRODD- produse high tech pentru autovehicule, 2013 – 4500 lei</p> <p><a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a></p>	0,9
	<p>8. Proiect cu terți - Analiza tehnico-economica comparativa intre autobuze Diesel, autobuze electrice si troleibuze, 2016 – 1400 lei,</p> <p><a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a></p>	0,28
	<p>9. Proiect cu terți - Studiu de mobilitate privind traficul rutier al orasului Ghimbav, 2016 - 10751,62 lei</p> <p><a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a></p>	2,15

	<p>10. Proiect cu terți - Studiu: " Planul de actiune privind energia durabila , Mun. Sacele – Transport, 2016 – 1700 lei</p> <p><a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a></p>	0,34
	<p>11. Proiect cu terți - Planul de mobilitate urbana durabila al orasului Ghimbav, 2016 – 20400 lei</p> <p><a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a></p>	4,08
	<p>12. Proiect cu terți - Sudiu privind parametrii de eficienta energetica la nivelul strategiei locale si a PAED pentru orasul Ghimbav, 2016 – 1100 lei</p> <p><a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a></p>	0,22
	<p>13. Proiect cu terți - Introducere sistem de transport urban inteligent si ecologic in orasul Ghimbav. Trasee si infrastructura pentru transport electric, 2017 – 4265 lei</p> <p><a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a></p>	0,85
	<p>14. Proiect cu terți - Studiu de trafic rutier pentru orasul Cernavoda, 2017 – 53010 lei</p> <p><a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a></p>	10,6
	<p>15. Proiect cu terți - Studiu privind adaptarea spatiului urban si cladirilor civile la nevoile individuale ale persoanelor cu handicap, 2018 – 9497 lei</p> <p><a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a></p>	1,89
	<p>16. Proiect cu terți - Studiu: " Analiza tehnica a autobuzelor echipate cu sistem de propulsie hibriz", 2018 – 1700 lei</p> <p><a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a></p>	0,34



	<p>17. Proiect cu terți - Sistematizarea traficului pe platforma AUTOLIV Brasov, 2019 – 7346 lei</p> <p><a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a></p>	1,46
	<p>18. Proiect cu terți - Soluții și măsuri privind sistematizarea traficului pe Platforma AUTOLIV Brasov, 2019 – 5802 lei</p> <p><a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a></p>	1,16
	<p>19. Proiect cu terți - Măsurarea performanțelor și emisiilor poluante la un motor cu și fără dispozitivele pentru aplicarea procedurii de îmbunătățire a combustiei cf. invenției înregistrată la OSIM cu nr.A/2018/00626, 2019 – 900 lei</p> <p><a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a></p>	0,18
	<p>20. Proiect cu terți - Studiu privind măsurarea lungimii efective a traseelor liniilor de autobuze ale RATBv, 2019 – 3335 lei</p> <p><a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a></p>	0,66
	<p>21. Proiect cu terți - Colectare date de trafic pentru actualizarea studiului de trafic aferent Municipiului Brasov, 2020 – 5000 lei</p> <p><a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a></p>	1
	<p>22. Proiect cu terți - Modernizarea transportului în municipiul Hunedoara prin investiții în transportul public ecologic – Coridorul Central, Coridorul de Est, Coridorul de Vest, 2020 – 3750 lei</p> <p><a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a></p>	0,75
	<p>23. Proiect cu terți - Modelarea Traficului rutier pentru intersecțiile orașului Agnita, 2021 – 3836 lei</p> <p><a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a></p>	0,76

	24. Proiect cu terți - Studiu privind realizarea Planului de Actiuni pentru Clima si Energie, 2022 – 10000 lei <a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a>	2
	25. Proiect cu terți - Servicii de expertiza externa-testare, analiza si consultanta tehnica in cadrul Proiectului -Thematic Trail Trigger - Three T(Initierea unor Trasee Tematice), 2022 - 55375.56 lei <a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a>	11,07
	26. Proiect cu terți - Studiu de oportunitate privind stabilirea modalitatii de gestiune a serviciului de transport public local de calatori in Municipiul Mangalia, 2022 – 2000 lei <a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a>	0,4
	27. Proiect cu terți - Studiu pentru realizarea Planului de Mobilitate Urbana Durabila a orasului Nadlac, 2022 – 11470 lei <a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a>	2,29
	28. Proiect cu terți - Studiu de trafic rutier pentru intersectia Calea Bucuresti si Strada Lacurilor, Brasov, 2023 – 5000 lei <a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a>	1
	29. Proiect cu terți - Studiu pentru realizarea Planului de Mobilitate Urbana Durabila pentru localitatea Cajvana, 2023 - 6748.5 lei <a href="https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS">https://intranet.unitbv.ro/Cercetare/FRACS/Completare-FRACS</a>	1,34
	Subtotal A3.1	<b>56</b>
<b>A3.2. Prezentarea/Diseminarea rezultatelor: prezență la manifestări științifice în calitate de autor/co-autor de lucrări, profesor invitat</b>		

<p>Congrese/conferințe/ workshopuri internaționale, profesor invitat la universități/institute din străinătate</p> <p>N5 = număr</p>	<p>1. Țârulescu, S. Țârulescu, R., Chemical Pollution Produced by the Diesel Vehicles in Brasov City, The Automobile and the Environment: International Congress of Automotive and Transport Engineering CONAT, Cambridge Scholars Publishing, 2011, ISBN (10): 1-4438-2972-2, ISBN (13): 978-1-4438-2972-4, <a href="https://conat.ro/public/conferences/1/schedConfs/4/program-en_US.pdf">https://conat.ro/public/conferences/1/schedConfs/4/program-en_US.pdf</a></p>	1
	<p>2. Țârulescu R., Țârulescu S., Contributions for the analytical determination of the wheel drive vehicles in horizontal increasing motion, Conferința TEHNONAV 2006, Constanța, 2006, ISBN 973-14-307-4, 978-973-614-307-6, <a href="https://www.researchgate.net/publication/275556637_Contributions_for_the_analytical_determination_of_the_wheel_drive_vehicles_in_horizontal_increasing_motion">https://www.researchgate.net/publication/275556637_Contributions_for_the_analytical_determination_of_the_wheel_drive_vehicles_in_horizontal_increasing_motion</a></p>	1
	<p>3. Țârulescu S., Țârulescu R., Leahu C.I., Șoica A., Aramă C., Reducing Carbon Emissions from Vehicles by Using Catalytic Solutions, The International Congress of Automotive and Transport Engineering, AMMA 2018, <a href="http://www.amma2018.ro/index.php/amma/2018/paper/view/119">http://www.amma2018.ro/index.php/amma/2018/paper/view/119</a></p>	1
	<p>4. Țârulescu S., Țârulescu R., Leahu C.I., Șoica A., Aramă C., Reducing diesel emissions by using a catalytic solution, The International Congress of Automotive and Transport Engineering, AMMA 2018, <a href="https://amma2018.ro/index.php/amma/2018/paper/view/120">https://amma2018.ro/index.php/amma/2018/paper/view/120</a></p>	1
	<p>5. Costiuc I., Chiru A., Costiuc L., Țârulescu S., Leahu C.I., Emission investigation of modified pressure wave supercharger working on internal combustion engine, 12 European Symposium on Thermal analysis and Colorimetry, ESTAC12, August 2018. <a href="http://estac12.org/estac12/welcome.html">link:http://estac12.org/estac12/welcome.html</a></p>	1

	<p>6. Țârulescu R., Benche V., Țârulescu S., The turbo – gasodynamic recovery of the fluid energy for a road vehicle, A XVI – a Conferință de Termotehnică cu Participare Internațională, Universitatea “Petrol-Gaze” din Ploiești, 31 Mai – 1 Iunie 2007 Volumul 1, Termotehnica, Schimb de Caldura si Aplicatii, Editura Universitatii Petrol - Gaze din Ploiesti, ISSN 1843 – 1992, <a href="https://www.researchgate.net/publication/275581404_The_turbo_gasodynamic_recovery_of_the_fluid_energy_for_a_road_vehicle">https://www.researchgate.net/publication/275581404_The_turbo_gasodynamic_recovery_of_the_fluid_energy_for_a_road_vehicle</a></p>	1
	<p>7. Țârulescu S., Benche V., Țârulescu R., A Possible Hydraulic Recovery/Conversion/Stockage Of The Energy Resulted From The Elastic Strain Of The Tyre Under The Vehicle Weight At The Uniform Horizontal Plane Movement, International Congress Automobile, Environment and Farm Machinery, AMMA2007, Cluj-Napoca, ISSN 1221-5872, <a href="https://www.researchgate.net/publication/275581968_A_POSSIBLE_HYDRAULIC_RECOVERYCONVERSIONSTOCKAGE_OF_THE_ENERGY_RESULTED_FROM_THE_ELASTIC_STRAIN_OF_THE_TYRE_UNDER_THE_VEHICLE_WEIGHT_AT_THE_UNIFORM_HORIZONTAL_PLANE_MOVEMENT">https://www.researchgate.net/publication/275581968_A_POSSIBLE_HYDRAULIC_RECOVERYCONVERSIONSTOCKAGE_OF_THE_ENERGY_RESULTED_FROM_THE_ELASTIC_STRAIN_OF_THE_TYRE_UNDER_THE_VEHICLE_WEIGHT_AT_THE_UNIFORM_HORIZONTAL_PLANE_MOVEMENT</a></p>	1
	<p>8. Cofaru, C., Florea, D., Țârulescu, S. Timar, J., Țârulescu, R., The influence of the road transportation over the monoxide carbon pollution in urban areas, The first international conference Transportation and land use interaction TRANSLU'08, Bucharest, 2008, ISSN 1844-9050, <a href="https://books.google.ro/books/about/Transportation_and_Land_Use_Interactions.html?id=gq3crQEACAAJ&amp;redir_esc=y">https://books.google.ro/books/about/Transportation_and_Land_Use_Interactions.html?id=gq3crQEACAAJ&amp;redir_esc=y</a></p>	1

	<p>9. Țârulescu S., Study of Noise Pollution for Brasov City, INTERNATIONAL CONGRESS AMMA 2013 - Automotive Motor Mobility Ambient 17-19 October 2013 CLUJ-NAPOCA, <a href="https://internal-www.frontiersin.org/events/3rd_AMMA_International_Congress_(Automotive_Motor_Mobility_Ambient)/2072">https://internal-www.frontiersin.org/events/3rd_AMMA_International_Congress_(Automotive_Motor_Mobility_Ambient)/2072</a></p>	1
	<p>10. Țârulescu S., Țârulescu R., The influence of the road traffic on noise pollution in urban areas, conferinta CAR2005, Pitesti, 2005, ISBN 973-690-450-4 .</p>	1
	<p>11. Țârulescu S., Țârulescu R., The interior and exterior noise analysis produced by the vehicles, conferinta CAR2005, Pitesti, 2005, ISBN 973-690-450-4.</p>	1
	<p>12. Cofaru C., Florea D., Țârulescu S., Researches about the influence of the increasing of urban traffic flows on air quality, 2-nd International Conference on Thermal Engines and Environmental Engineering MET IME 2007, Volume 1, University "DUNAREA DE JOS" of Galati, ISBN 978-973-1724-17-1.</p>	1
	<p>13. Cofaru C., Florea D., Țârulescu S., Study about the traffic flows depending on populations' mobility in urban areas, International Congress Automobile, Environment and Farm Machinery, AMMA2007, Cluj-Napoca, ISSN 1221-5872.</p>	1
	<p>15. ITS Romania Congress 2023 – Iasi, 25 September 2023, Session 1 – Digitalisation &amp; multimodal ITS services - Stelian TARULESCU – Transilvania University Brasov – E-mobility solutions for rural areas</p> <p><a href="https://congress2023.its-romania.ro/sites/default/files/inline-files/ITSRO_Congress_2023_programme.pdf">https://congress2023.its-romania.ro/sites/default/files/inline-files/ITSRO_Congress_2023_programme.pdf</a></p>	1

	<p>16. ITS Romania Congress 2023 – Iasi, 26 September 2023, Session 3 – Policy, Financing, Training and Education, Stelian TARULESCU –Transilvania University Brasov – Methods of teaching ITS</p> <p>concepts to students</p> <p><a href="https://congress2023.its-romania.ro/sites/default/files/inline-files/ITSRO_Congress_2023_programme.pdf">https://congress2023.its-romania.ro/sites/default/files/inline-files/ITSRO_Congress_2023_programme.pdf</a></p>	1
<b>Subtotal A3.2</b>		<b>15</b>
<b>A3.3. Citări în publicații BDI (se exclud autocitățile)</b>		
<p>C1 = numărul de citări</p> <p>SFI = suma factorilor de impact al publicațiilor WOS în care apar citările</p> <p><math>C = C1 + SFI</math></p>	<p>1. Titlu citat : Urban Transportation Solutions for the CO2 Emissions Reduction Contributions, Tarulescu, S.; Tarulescu, R.</p> <p>Citare 1: A prospective study to evaluate CO2 emission mitigation strategies for highway transportation, Gedik, A; Uslu, O; Lav, AH, ENVIRONMENTAL MONITORING AND ASSESSMEN, Volume194 Issue10, DOI10.1007/s10661-022-10349-5, 2022, ISSN 0167-6369, Journal Citation Indicator™ (2022) = 0,52.</p> <p><a href="https://www.webofscience.com/wos/woscc/summary/5e64fad0-bd1f-49db-8b6b-b39128a617ec-e91f1501/date-descending/1">https://www.webofscience.com/wos/woscc/summary/5e64fad0-bd1f-49db-8b6b-b39128a617ec-e91f1501/date-descending/1</a></p>	1,52
	<p>2. Titlu citat: The Assessment of the Head Injury of a Pedestrian in Comparison with a Cyclist, Tolea, B.; Tarulescu, S.; Trusca, DD.; Toganel, G.; Radu, AI.</p> <p>Citare 1: Head injury of two-wheeler cyclist based on fluid-solid coupling head model, Yang, N; Liu, T; Wang, JF; Li, ZY; Li, WH; Liu, YQ, HELIYON, Volume9Issue3, DOI10.1016/j.heliyon.2023.e14346, 2023, eISSN 2405-8440, Journal Citation Indicator™ (2022) = 0,8,</p> <p><a href="https://www.webofscience.com/wos/woscc/summary/9c241da6-23de-40b1-8235-f9cbcaaef405-e91f55e8/date-descending/1">https://www.webofscience.com/wos/woscc/summary/9c241da6-23de-40b1-8235-f9cbcaaef405-e91f55e8/date-descending/1</a></p>	1,8

	<p>3. Titlu citat: The exhaust gas temperature control through an adequate thermal management of the engine, Leahu, CI; Tarulescu, S; Tarulescu, R</p> <p>Citare 1: A review of regeneration mechanism and methods for reducing soot emissions from diesel particulate filter in diesel engine, Luo, JB; Zhang, HG; Liu, ZH; Zhang, ZQ; Pan, YJ; Liang, XG; Wu, SZ; Xu, HX H; Xu, S; Jiang, CM, ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, Volume30Issue37Page86556-86597, DOI10.1007/s11356-023-28405-z, 2023, ISSN 0944-1344, Journal Citation Indicator <sup>™</sup> (2022) = 0,91,</p> <p>Citare 2: Investigation of the effect of JP-8 fuel and biodiesel fuel mixture on engine performance and emissions by experimental and statistical methods, Ardebili, SMS; Kocakulak, T; Aytav, E; Calam, A - ENERGY, Volume254PartA, DOI10.1016/j.energy.2022.124155, 2022, ISSN 0360-5442, Journal Citation Indicator <sup>™</sup> (2022) = 1,55,</p> <p>Citare 3: Bench Tests for Exhaust Gas Temperature Distribution in an Aircraft Piston Engine with and without a Turbocharger, Czarnigowski, J; Skiba, K; Rekas, D; Scislowski, K; Jaklinski, P, ADVANCES IN SCIENCE AND TECHNOLOGY-RESEARCH JOURNAL, Volume15Issue3Page155-166, DOI10.12913/22998624/139688, 2021, ISSN 2080-4075, Journal Citation Indicator <sup>™</sup> (2022) = 0,31,</p> <p>Citare 4: Modelling Fuel Consumption and NOx Emission of a Medium Duty Truck Diesel Engine With Comparative Time-Series Methods, Ozmen, MI; Yilmaz, A; Baykara, C; Ozsoysal, OA, IEEE ACCESS, Volume9Page81202-81209, DOI10.1109/ACCESS.2021.3082030, 2021, ISSN 2169-3536, Journal Citation Indicator <sup>™</sup> (2022) = 0,89,</p> <p>Citare 5: Experimental Research on Exhaust Thermal Management Control Strategy for Diesel Particular Filter Active Regeneration, Wang, J; Wang, B; Cao, Z, INTERNATIONAL JOURNAL OF</p>	9,02
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	<p>AUTOMOTIVE TECHNOLOGY, Volume21Issue5Page1185-1194, DOI10.1007/s12239-020-0112-x , 2020, ISSN 1229-9138, Journal Citation Indicator ™ (2022) = 0,36.</p> <p><a href="https://www.webofscience.com/wos/woscc/summary/462f2371-3812-430a-b414-33ddf4199b78-e91f89e6/date-descending/1">https://www.webofscience.com/wos/woscc/summary/462f2371-3812-430a-b414-33ddf4199b78-e91f89e6/date-descending/1</a></p>	
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	<p>4. Titlu citat: Road Traffic Noise Pollution Analysis for Cernavoda City, Manea, L; Manea, A; Florea, D; Tarulescu, S</p> <p>Citare 1: Urban noise assessment and its nonauditory health effects on the residents of Chiniot and Jhang, Punjab, Pakistan, Farooqi, ZUR; Ahmad, I; Zeeshan, N; Ilic, P; Imran, M (Imran, Muhammad) [2] ; Saeed, MF, ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, Volume28Issue39Page54909-54921, DOI10.1007/s11356-021-14340-4, 2021, ISSN 0944-1344, Journal Citation Indicator ™ (2022) = 0,91,</p> <p>Citare 2: A Systematic Review on Carbon Dioxide (CO2) Emission Measurement Methods under PRISMA Guidelines: Transportation Sustainability and Development Programs, Zubair, M; Chen, SY; Ma, YF; Hu, XJ, SUSTAINABILITY, Volume15Issue6, DOI10.3390/su15064817, 2023, eISSN 2071-1050, Journal Citation Indicator ™ (2022) = 0,67,</p> <p>Citare 3: Fixed-charge solid transportation problem with budget constraints based on carbon emission in neutrosophic environment, Ghosh, S; Roy, SK; Verdegay, JL, SOFT COMPUTING, Volume26Issue21Page11611-11625, DOI10.1007/s00500-022-07442-9, 2022, ISSN 1432-7643, Journal Citation Indicator ™ (2022) = 0,73,</p> <p>Citare 4: Seeking low carbon urban design through modelling of carbon emission from different sources in urban neighbourhoods, case study: Semnan, Baghi, ESMS; Ranjbar, E, INTERNATIONAL JOURNAL OF URBAN SUSTAINABLE DEVELOPMENT, Volume13Issue3Page546-568, DOI10.1080/19463138.2021.1904245, 2021, ISSN 1946-3138, Journal Citation Indicator ™ (2022) = 0,46</p> <p>Citare 5: A Review of the Measurement Method, Analysis and Implementation Policy of Carbon Dioxide Emission from</p>	8,44
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	<p>Transportation, Yaacob, NFF; Yazid, MRM; Maulud, KNA; Basri, NEA, SUSTAINABILITY, Volume12Issue14, DOI10.3390/su12145873, 2023, eISSN 2071-1050, Journal Citation Indicator™ (2022) = 0,67.</p> <p><a href="https://www.webofscience.com/wos/woscc/summary/b0629fe4-6baf-4266-ae2-cd7fe85eace4-e9205e05/date-descending/1">https://www.webofscience.com/wos/woscc/summary/b0629fe4-6baf-4266-ae2-cd7fe85eace4-e9205e05/date-descending/1</a></p>	
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	<p>5. Titlu citat: Impact phase in frontal vehicle-pedestrian collisions, Soica, A; Tarulescu, S</p> <p>Citare 1: The forensic investigation of vehicle? pedestrian collisions: A review, Nogayeva; Gooch, J; Frascione, N, SCIENCE &amp; JUSTICE, Volume61Issue2Page112-118, DOI10.1016/j.scijus.2020.10.006, 2021, ISSN 1355-0306, Journal Citation Indicator ™ (2022) = 0,82,</p> <p>Citare 2: Deterministic Throw Model for Longitudinal Rear-End Vehicle to Cyclist Collisions, Condrea, OA; Toganel, GR; Trusca, DD, INTERNATIONAL JOURNAL OF AUTOMOTIVE TECHNOLOGY, Volume22Issue1Page37-46, DOI10.1007/s12239-021-0005-7, 2021, ISSN 1229-9138, Journal Citation Indicator ™ (2022) = 0,36,</p> <p>Citare 3: CYCLIST HEAD TO WINDSHIELD IMPACT ANALYSIS. DEFORMATION AND PERFORATION CASE STUDY, Condrea, OA; Chiru, A; Toganel, G; Radu, IA; Chiriac, RL, INGINERIA AUTOMOBILULUI, Issue54Page21-24, 2020, ISSN 1842-4074, Journal Citation Indicator ™ (2022) = 0,01,</p> <p>Citare 4: PEDESTRIAN THROW DISTANCE PREDICTION FROM VEHICLE DAMAGE INTENSITY, PROMET-TRAFFIC &amp; TRANSPORTATION, Saulic, N; Papic, Z; Ovcin, Z, Volume32 Issue3 Page371-382, 2020, ISSN 0353-5320, Journal Citation Indicator ™ (2022) = 0,17,</p> <p>Citare 5: Influence of the geometric parameters of the vehicle frontal profile on the pedestrian's head accelerations in case of accidents, Tolea, B; Radu, AI; Beles, H; Antonya, C, INTERNATIONAL JOURNAL OF AUTOMOTIVE TECHNOLOGY, Volume19Issue1Page85-98, DOI10.1007/s12239-018-0009-0, 2018, ISSN 1229-9138, Journal Citation Indicator ™ (2022) = 0,36,</p> <p>Citare 6: MATHEMATICAL MODEL VALIDATED BY A CRASH TEST FOR STUDYING THE OCCUPANT'S KINEMATICS AND DYNAMICS IN A CARS' FRONTAL COLLISION, Ionut, RA; Corneliu, C; Bogdan, T,</p>	11,06
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	<p>INTERNATIONAL JOURNAL OF AUTOMOTIVE TECHNOLOGY, Volume18Issue6Page1017-1025, DOI10.1007/s12239-017-0099-0, 2017, ISSN 1229-9138, Journal Citation Indicator™ (2022) = 0,36,</p> <p>Citare 7: Multi-objective robust design optimization of a novel negative Poisson's ratio bumper system, Zhou,; Zhao, WZ; Ma, ZD; Wang, CY; Li, YF, SCIENCE CHINA-TECHNOLOGICAL SCIENCES, Volume60Issue7Page1103-1110, DOI10.1007/s11431-016-0751-6, 2017, ISSN 1674-7321, Journal Citation Indicator™ (2022) = 0,87,</p> <p>Citare 8: Motion state recognition of debris ejected in vehicular collision after contact with the ground, Du, XJ; Su, DZ; Wang, ZY, INTERNATIONAL JOURNAL OF MATERIALS &amp; PRODUCT TECHNOLOGY, Volume54Issue4Page332-346, DOI10.1504/IJMPT.2017.082623, 2017, ISSN 0268-1900, Journal Citation Indicator™ (2022) = 0,11.</p> <p><a href="https://www.webofscience.com/wos/woscc/summary/2d4b70df-7961-4673-87d9-5900101fefda-e9f1e25a/date-descending/1">https://www.webofscience.com/wos/woscc/summary/2d4b70df-7961-4673-87d9-5900101fefda-e9f1e25a/date-descending/1</a></p>	
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	<p>6. Titlu citat: Respiratory exposure to air pollutants, Taus, N; Tarulescu, S; Idomir, M; Taus, R</p> <p>Citare 1: Understanding the Sources of Heavy Metal Pollution in Ambient Air of Neighboring a Solid Waste Landfill Site, Mehta, UH; Kaul, DS; Westerdahl, D; Ning, Z; Zhang, K; Sun, L; Wei, P; Gajjar, HH; Jeyaraman, JD; Patel, MV; Joshi, RR, AEROSOL SCIENCE AND ENGINEERING, Volume6Issue2Page161-175, DOI10.1007/s41810-022-00131-y, 2022, ISSN 2510-375X, Journal Citation Indicator ™ (2022) = 0,25,</p> <p>Citare 2: Characterization of water soluble inorganic ions and their evolution processes during PM2.5 pollution episodes in a small city in southwest China, Qiao, BQ; Chen, Y; Tian, M; Wang, HB; Yang, FM; Shi, GM; Zhang, LM Peng, C; Luo, Q ; Ding, SM, SCIENCE OF THE TOTAL ENVIRONMENT, Volume650Page2605-2613Part2, DOI10.1016/j.scitotenv.2018.09.376, 2019, ISSN 0048-9697, Journal Citation Indicator ™ (2022) = 1,68,</p> <p>Citare 3: Seasonal trends in the composition and sources of PM2.5 and carbonaceous aerosol in Tehran, Iran, Arhami; Shahne, MZ; Hosseini, V; Haghghat, NR; Lai; Schauer, JJ, ENVIRONMENTAL POLLUTION, Volume239Page69-81, DOI10.1016/j.envpol.2018.03.111, 2018, ISSN 0269-7491, Journal Citation Indicator ™ (2022) = 1,57,</p> <p>Citare 4: Seasonal characteristics, formation mechanisms and source origins of PM2.5 in two megacities in Sichuan Basin, China, Wang, HB; Tian, M; Chen, Y; Shi, GM; Liu, Y; Yang, FM; Zhang, LM; Deng, LQ; Yu, J; Peng, C; Cao, XY, ATMOSPHERIC CHEMISTRY AND PHYSICS, Volume18Issue2Page865-881, DOI10.5194/acp-18-865-2018, 2018, ISSN 1680-7316, Journal Citation Indicator ™ (2022) = 1,32,</p> <p>Citare 5: Airborne fine particulate matter (PM2.5) at industrial,</p>	24,62
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	<p>high- and low-density residential sites in a Nigerian megacity, Ezeh, GC; Obioh, IB; Asubiojo, OI; Onwudiegwu, CA; Nuviadenu, CK; Ayinla, SB, TOXICOLOGICAL AND ENVIRONMENTAL CHEMISTRY, Volume100Issue3Page326-333, DOI10.1080/02772248.2018.1485924, 2018, ISSN 0277-2248, Journal Citation Indicator <sup>™</sup> (2022) = 0,3,</p> <p>Citare 6: Characterization and source apportionment of PM2.5 based on error estimation from EPA PMF 5.0 model at a medium city in China, Liu,; Wu, JH; Zhang, JY; Wang, L; Yang, JM; Liang, DN; Dai, QL; Bi, XH; Feng, YC; Zhang, YF; Zhang, QX, ENVIRONMENTAL POLLUTION, Volume222Page10-22, DOI10.1016/j.envpol.2017.01.005, 2017, ISSN 0269-7491, Journal Citation Indicator <sup>™</sup> (2022) = 1,57,</p> <p>Citare 7: Characteristics and health risk assessment of trace metal(loid)s in PM10 at a mining city in Southwest China, Cheng, X; Huang, Y; Wang, R; Ni, SJ; Long, ZJ; Liu, C, INTERNATIONAL JOURNAL OF ENVIRONMENT AND POLLUTION, Volume61Issue2Page119-133, DOI10.1504/IJEP.2017.085652, 2017, ISSN 0957-4352, Journal Citation Indicator <sup>™</sup> (2022) = 0,06,</p> <p>Citare 8: Characteristics, Sources and Health Risk Assessment of Trace Metals in PM10 in Panzhihua, China, Cheng, X; Huang, Y; Long, ZJ; Ni, SJ; Shi, ZM; Zhang, CJ, BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, Volume98Issue1Page76-83, DOI10.1007/s00128-016-1979-0, 2017, ISSN 0007-4861, Journal Citation Indicator <sup>™</sup> (2022) = 0,54,</p> <p>Citare 9: Chemical composition and source apportionment of ambient PM2.5 during the non-heating period in Taian, China, Liu, BS; Song, N; Dai, QL; Mei, RB; Sui, BH; Bi, XH; Feng, YC, ATMOSPHERIC RESEARCH, Volume170Page23-33, DOI10.1016/j.atmosres.2015.11.002, 2016, ISSN 0169-8095,</p>	
--	--	--

	<p>Journal Citation Indicator™ (2022) = 1,32,</p> <p>Citare 10: Health impacts due to particulate air pollution in Volos City, Greece, Moustris, KP; Proias, GT; Larissi, IK; Nastos, PT; Koukouletsos, KV; Paliatsos, AG, JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES &amp; ENVIRONMENTAL ENGINEERING, Volume51Issue1Page15-20, DOI10.1080/10934529.2015.1079099, 2016, ISSN 1093-4529, Journal Citation Indicator™ (2022) = 0,3,</p> <p>Citare 11: Characteristics and Risk Assessment of Heavy Metals in Airborne PM10 from a Residential Area of Northern Jeddah City, Saudi Arabia, Alghamdi, MA, POLISH JOURNAL OF ENVIRONMENTAL STUDIES, Volume25Issue3Page939-949, DOI10.15244/pjoes/61531, 2016, ISSN 1230-1485, Journal Citation Indicator™ (2022) = 0,32,</p> <p>Citare 12: Seasonal variations and chemical compositions of PM2.5 aerosol in the urban area of Fuzhou, China, Xu, LL; Chen, XQ; Chen, JS; Zhang, FW; He, C; Zhao, JP; Yin, LQ, ATMOSPHERIC RESEARCH, Volume104Page264-272, DOI10.1016/j.atmosres.2011.10.017, 2012, ISSN 0169-8095, Journal Citation Indicator™ (2022) = 1,32,</p> <p>Citare 13: Estimations of primary and secondary organic carbon formation in PM2.5 aerosols of Santiago City, Chile, Seguel, R; Morales, RGE; Leiva, MA, ATMOSPHERIC ENVIRONMENT, Volume43Issue13Page2125-2131, DOI10.1016/j.atmosenv.2009.01.029, 2009, ISSN 1352-2310, Journal Citation Indicator™ (2022) = 1,07.</p> <p><a href="https://www.webofscience.com/wos/woscc/summary/c3aa2d06-9d8d-4ce2-a34b-72caca531cd8-e9f3da85/date-descending/1">https://www.webofscience.com/wos/woscc/summary/c3aa2d06-9d8d-4ce2-a34b-72caca531cd8-e9f3da85/date-descending/1</a></p>	
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	<p>7. Titlu citat: Smart Transportation CO2 Emission Reduction Strategies, Tarulescu, S; Tarulescu, R; Soica, A; Leahu, CI</p> <p>Citare 1: A Review on Electric Bus Charging Scheduling from Viewpoints of Vehicle Scheduling, Rong, A (Rong, A.) [1] ; Chen, S (Chen, S.) [1] ; Shi, D (Shi, D.) [2] ; Zhang, M (Zhang, M.) [1] ; Wang, C (Wang, C.) [1], IEEE, 2021 IEEE INTERNATIONAL CONFERENCE ON INDUSTRIAL ENGINEERING AND ENGINEERING MANAGEMENT (IEEE IEEM21), Page1-5, DOI10.1109/IEEM50564.2021.9673069, 2021, ISSN 2157-3611, <a href="https://www.webofscience.com/wos/woscc/summary/eea1864a-2200-411d-8f72-888ce2c288d8-e920ae63/date-descending/1">https://www.webofscience.com/wos/woscc/summary/eea1864a-2200-411d-8f72-888ce2c288d8-e920ae63/date-descending/1</a></p>	1
	<p>8. Titlu citat : Study on Mixture Formation at an Experimental Spark Ignition Engine, Dogariu, DM; Chiru, A; Târulescu, S; Lazar, M; Stancu, VS - Titlu : Theoretical calculation model of the propulsion engine admission parameters for different functional conditions, Vornicu, V; Ulian, T; (...); Talif, S, 21st Innovative Manufacturing Engineering and Energy International Conference (IManE and E), 2017, <a href="https://www.webofscience.com/wos/woscc/summary/cf61fa16-4688-4dbb-b5b0-80d19c481cea-e91ee91b/date-descending/1">https://www.webofscience.com/wos/woscc/summary/cf61fa16-4688-4dbb-b5b0-80d19c481cea-e91ee91b/date-descending/1</a></p>	1
<b>Subtotal A3.3</b>		<b>58,46</b>