

**FIȘA DE VERIFICARE A INDEPLINIRII STANDARDELOR MINIME NATIONALE
ȘI OBLIGATORII PENTRU ABILITARE**

*Conform Ordinului MENCS 6129/2016 publicat în Monitorul Oficial al României, Partea I, nr. 123/15.02.2017
(Anexa nr. 17 - Comisia Inginerie mecanică, mecatronică și robotică)*

I. DATE DESPRE CANDIDAT

Nume și prenume, funcție didactică: conf. univ. dr. ing. Liviu Constantin STAN
Doctor în Domeniul Inginerie mecanică, Confirmat prin O.M. Nr. 4693 din 13.08.2009

II. DATE PRIVIND ÎNDEPLINIREA CONDIȚIILOR

Condiții minimale pentru profesor / abilitare					
Domeniul de activitate		Indicatori	Descriere	Minim	Obținut
Activitate didactică, profesională, DID	A 1.1	N1	Manuale suport de curs	2	12
		N 1.1	Manuale suport de curs prim autor	1	3
		N 1.2	Manuale suport de curs co-autor		3
		N 1.3	Manuale suport de curs in format electronic pe platforma universității	1	6
	A 1.2	N2	Material didactic	4	9
		N2.1	Standuri laborator	2	5
N2.2		Indrumar laborator/Carte aplicații	1	4	
Activitate de	A 2.1 +	P1+ P2	Articole și publicații ISI + Brevete	10	19.65

cercetare științifică, CDI	A 2.3	P1	Articole și publicații ISI	6	15.45
		P2	Brevete de invenții indexate		4.2
	A 2.2	N3	Articole și publicații BDI neincluse la P1	10	19
		N3.1	Articole și publicații BDI neincluse la P1, ca prim autor	5	13
		N3.2	Articole și publicații BDI neincluse la P1, co-autor	5	6
	A 2.4 + A 2.5	N4	Monografii / Cărți	2	10
		N4.3	Monografii / Cărți ca prim autor	1	5
N 4.4		Monografii / Cărți de specialitate format tipărit/electronic(minim 100 pagini) co-autor		5	
Recunoaștere a impactului activității, RIA	A3.1	S1+S2	Granturi	50	1208.602
	A3.2	N5	Prezentarea / Diseminarea rezultatelor	10	14
	A3.3	C	Citări	25	104.712

DID = N1+N2 = 6 (minim necesar)

CDI = P1+P2+N3+N4 = 22 (minim necesar)

RIA = S1+S2+N5+C = 85 (minim necesar)

Punctaj obținut = 21

Punctaj obținut = 48.65

Punctaj obținut = 1327.314

A1 - Activitatea didactică și profesională - DID	
N 1.1 Manuale de curs ca prim autor	Punctaj
Stan L.C.- <i>Masini navale</i> , 348 pag A4, Editura Nautica, Colectia Masini Navale, ISBN 978-606-8105-17-8, Constanta, 2010	1
Stan L.C., Buzbuchi N.- <i>Prevenirea si Combaterea poluarii atmosferice produse de nave</i> , 85 pag. A4, Editura Nautica, Colectia Nautarius, ISBN 978-973-7872-80-7, Constanta, 2008	1
Stan L.C.- <i>Marine Machinery</i> , 405 pag A4, Editura Nautica, Colectia Masini Navale, ISBN 978-606-8105-94-9, Constanta, 2013	1
Total N1.1	3
N 1.2 Manuale de curs ca și co-autor	
Călimănescu I., Stan L.C.- <i>Metode numerice in mecanica ruperii</i> , 256 pag. A4, Editura Nautica, Colectia Universitara, ISBN 978-606-8105-93-2, Constanta, 2013	1
Călimănescu I., Stan L.C.- <i>Analiza numerică a dinamicii și arderii fluidelor combustibile</i> , 325 pag. A4, Editura Nautica, Colectia Masini Navale, ISBN 978-606-8105-77-2, Constanta, 2012	1
Dordea T., Stan L.C.- <i>Generatoare de abur navale</i> , 234 pag A4, Editura Nautica, Colectia Masini Navale, ISBN 978-606-681-130-9, Constanta, 2020	1
Total N1.2	3
N 1.3 Format electronic disponibil pe platforma universității/departamentului (autor)	Punctaj
Generatoare cu abur, turbine cu abur si gaze, I si II https://campus.cmu-edu.eu/course/view.php?id=261 https://campus.cmu-edu.eu/course/view.php?id=262	1
Controlul si prevenirea poluarii produse de masini si echipamente termice, 602 pg. A4, 2 volume https://campus.cmu-edu.eu/course/view.php?id=760	1
Controlul si atenuarea zgomotului si a vibratiilor, 505pg. A4 https://campus.cmu-edu.eu/course/view.php?id=761	1
Procese si caracteristici in MAI 287 pg. A4 https://campus.cmu-edu.eu/course/view.php?id=246 https://campus.cmu-edu.eu/course/view.php?id=270	1

Constructia MAI si a sistemelor auxiliare 412 pg https://campus.cmu-edu.eu/course/view.php?id=265 https://campus.cmu-edu.eu/course/view.php?id=260	1
Leadership si coordonarea echipei de cart in compartimentul masini, 56 pg A4 https://campus.cmu-edu.eu/course/view.php?id=257	1
Total N1.3	6
N 2.1 Standuri laborator (construcție/modernizări) certificate de directorul de departament	Punctaj
Simulator Complex Compartiment Masina Kongsberg ERS Neptune Norvegia- MAN B&W 5L90MC - VLCC	1
Simulator Complex Marfuri Lichide - Kongsberg LCH Neptune Norvegia, upgrade si update 2015-2019	1
Laborator multifunctional baza nautica - echipament masurare zgomot si vibratii	1
Laborator multifunctional baza nautica - Stand incercari pompe volumice	1
Laborator multifunctional baza nautica -Stand determinarea pierderilor hidraulice; Stand incercari servovalvule, drosele, distribuitoare.	1
Total N 2.1 = 5	5
N 2.2 Îndrumar laborator/carte aplicații format tipărit sau electronic (autor, co-autor)	Punctaj
Indrumar laborator Utilizarea Simulatorului Compartiment Masina, 80 pag A4 (7 lucrari elaborate si dezvoltate pe simulator)	1
Indrumar laborator - Controlul si prevenirea poluarii produse de masini si echipamente termice, 201 pagA4 (17 lucrari de laborator si 2 proiecte)	1
Indrumar laborator - Masini Hidropneumatice(3 lucrari elaborate si dezvoltate)	1
Indrumar de proiect - Generatoare cu abur, turbine cu abur si gaz II	1
Total N 2.2 = 4	4

A2 - Activitatea de cercetare științifică, dezvoltare tehnologică și inovare - CDI

P1.1 Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) ca prim autor sau ca autor corespondent(număr autori < 3)	Punctaj
<p>Stan L. <i>Performance of exhaust gas recovery units for marine engines</i>, 2022 International Conference on Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies (ATOM-N 2022), DOI: 10.1117/12/2643176, Proceeding Volume. SPIE 12494, Constanta, Romania</p> <p>Articolul se află in curs de indexare WOS</p> <p>https://www.spiedigitallibrary.org/conference-proceedings-of-spie/12493/124931W/Performance-of-exhaust-gas-recovery-un%D1%96ts-for-mar%D1%96ne-eng%D1%96nes/10.1117/12.2643176.short</p>	0.4
<p>Calimanescu I., Stan L., <i>Optimization Study of a Centrifugal Pump in Cavitation</i>, 2020 International Conference on Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies (ATOM-N 2020), DOI:10.1117/12.2571239, ISBN 978-1-5106-2614-0, Constanta, Romania, Published:2020, WOS: 000641147900067</p> <p>https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000641147900067</p>	0.4
<p>Calimanescu I., Stan L., <i>Seismic qualification by analysis of an overhead crane for nuclear industry</i>, 2020 International Conference on Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies (ATOM-N 2020), DOI:10.1117/12.2571239, ISBN 978-1-5106-2614-0, Constanta, Romania, Published:2020, WOS: 000641147900067</p> <p>https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000641147900066</p>	0.4
<p>Stan, L.C., Faităr, C. Analysis of piston applications due to fuel burning, IOP Conference Series: Materials Science and Engineering, Vol. 916, 23-27 June 2020, ModTech 2020, doi:10.1088/1757-899X/916/1/012110, WOS:000625330000110</p> <p>https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000625330000110</p>	0.4
<p>Stan Liviu Constantin - "<i>Optimization by CFD of the marine propulsion system</i>", Book Series: Proceedings of SPIE, Volume: 10977 Article Number: UNSP 109772H, DOI: 10.1117/12.2324418, Published: 2018</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=23&SID=D2XQ3UXsbj5LgMMe pC9&page=1&doc=4</p>	0.4

<p>Stan Liviu, Călimănescu Ioan, Popa Viorica - "New innovative backflow marine propeller optimisation study by CFD", Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 400, Article Number: 082018, DOI: 10.1088/1757-899X/400/8/082018, Published: 2018</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=23&SID=D2XQ3UXsbj5LgMMe pC9&page=1&doc=2</p>	0.4
<p>Stan Liviu, Călimănescu Ioan, Popa Viorica - "Computer fluid dynamics (CFD) study of new innovative backflow marine propeller", Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 400, Article Number: 082019, DOI: 10.1088/1757-899X/400/8/082019, Published: 2018</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=23&SID=D2XQ3UXsbj5LgMMe pC9&page=1&doc=3</p>	0.4
<p>Stan Liviu Constantin - "Influence of cellulose in the fuel mixtures for engines", Book Series: Proceedings of SPIE, Volume: 10977, Article Number: UNSP 109772I, DOI: 10.1117/12.2324431, Published: 2018</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=23&SID=D2XQ3UXsbj5LgMMe pC9&page=1&doc=5</p>	0.4
<p>Stan Liviu Constantin – "Simulation of air pollution due to marine engines", Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 227, Article Number: UNSP 012121, DOI: 10.1088/1757-899X/227/1/012121, Published: 2017</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=5&SID=F4c2tPzaHD8KobjkAO&page=1&doc=1</p>	0.4
<p>Stan Liviu, Călimănescu Ioan, Velcea, Daniel– "Design check of an S-Lay offshore pipeline launching using numerical methods", Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 145, Article Number: 082017 DOI: 10.1088/1757-899X/145/8/082017, Published: 2016</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=5&SID=F4c2tPzaHD8KobjkAO&page=1&doc=3</p>	0.4
<p>Stan Liviu, Calimanescu Ioan, Velcea Daniel – "Design check against the construction code (DNV 2012) of an offshore pipeline using numerical methods", Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 145 Article Number: 082018, DOI: 10.1088/1757-899X/145/8/082018, Published: 2016</p>	0.4

http://apps.webofknowledge.com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=5&SID=F4c2tPzaHD8KobjkAO&page=1&doc=4	
<p>Stan Liviu, Calimanescu Ioan – “<i>Computer fluid dynamics (CFD) study of a plate heat exchanger working with nanofluids</i>”, Book Series: Proceedings of SPIE, Volume: 10010, Article Number: UNSP 1001021, DOI: 10.1117/12.2241677 Published: 2016</p>	0.4
<p>http://apps.webofknowledge.com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=5&SID=F4c2tPzaHD8KobjkAO&page=1&doc=5</p> <p>Stan Liviu, Calimanescu Ioan – “<i>COMPUTER fluid dynamics (CFD) study of a micro annular gear pump</i>”, Book Series: Proceedings of SPIE, Volume: 10010, Article Number: UNSP 1001020, DOI: 10.1117/12.2241674 Published: 2016</p>	0.4
<p>http://apps.webofknowledge.com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=5&SID=F4c2tPzaHD8KobjkAO&page=1&doc=6</p> <p>Stan Liviu – “<i>Online Teaching Technique in Maritime Learning Process</i>”, Book Series: Procedia Social and Behavioral Sciences, Volume: 116, Pages: 4517-4520, DOI: 10.1016/j.sbspro.2014.01.977, Published: 2014</p>	0.4
<p>http://apps.webofknowledge.com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=5&SID=F4c2tPzaHD8KobjkAO&page=1&doc=10</p> <p>Stan Liviu – “<i>Simulation Technology in Educational Process</i>”, Book Series: Procedia Social and Behavioral Sciences Volume: 116, Pages: 4521-4525, DOI: 10.1016/j.sbspro.2014.01.978, Published: 2014</p>	0.4
<p>http://apps.webofknowledge.com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=5&SID=F4c2tPzaHD8KobjkAO&page=2&doc=11</p> <p>Stan Liviu, Buzbuchi Nicolae – “<i>Combustion chamber of the Diesel engine-theory and numerical simulation</i>”, SUSTAINABLE MARITIME TRANSPORTATION AND EXPLOITATION OF SEA RESOURCES, VOL 2, Conference: 14th International Congress of the International-Maritime-Association-of-the-Mediterranean (IMAM), Location: Genova, ITALY, Date: SEP 13-16, 2012</p>	0.4
<p>http://apps.webofknowledge.com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=F1ZAa7G2f5E8AKeo7V7&page=1&doc=5</p> <p>Stan Liviu, Memet Feiza – “<i>SIMULATION TECHNOLOGY IN THE EDUCATIONAL PROCESS</i>”, Conference: 7th International Conference on Management of Technological Changes, Location: Alexandroupolis, GREECE Date: SEP 01-03, 2011, WOS:000306940000109</p> <p>http://apps.webofknowledge.com.am.e-</p>	0.4

nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=5&SID=F4c2tPzaHD8KobjkAO&page=2&doc=15	
<p>Stan Liviu, Memet Feiza, Mitu Daniela –“<i>ONLINE TEACHING TECHNIQUE IN MARITIME LEARNING PROCESS</i>”, Conference: 7th International Conference on Management of Technological Changes</p> <p>Location: Alexandroupolis, GREECE, Date: SEP 01-03, 2011, WOS:000306940000110</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=5&SID=F4c2tPzaHD8KobjkAO&page=2&doc=16</p>	0.4
<p>Stan, L., Buzbuchi, N., Memet F. - <i>Cost Evaluation for Ballast Water Treatment Applying the Advanced Oxidation Technology</i>; “Environmental Engineering and Management” Journal, Vol 8 No. 5, “Gh. Asachi” Technical University of Iasi, November/December 2009, Vol. 8, No.6, pp.1385-1389, CNCSIS code 148, factor de impact 2009 -1.186, http://omicron.ch.tuiasi.ro/EEMJ/, ISSN: 1582-9596, 2009;</p> <p>$F_i = 1.1 \rightarrow P_{1.3} = 2(0.2+1.1) = 2.6$</p>	2.6
<p>Total P1.1 = 2.6+0.4*18 = 9.8</p>	9.8
<p>P 1.3 Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) ca și co-autor (număr de autori < 3)</p>	
<p>Serbanescu I., Stan L., <i>The naval main engines parameters variation, due different external factors</i>, Book Series: IOP Conference Series- Materials Science and Engineering, Volume: 916, Article Number: 012037, DOI: 10.1088/1757-899X/916/1/012037, WOS: 000625330000105, Published: 2020</p> <p>https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000625330000105</p>	0.2
<p>Faitar C, Stan L, Nedelcu A T, <i>CONSIDERATIONS ON ECONOMIC AND ECOLOGICAL ANALYSIS OF NAVAL PROPULSION SYSTEMS</i>, ModTech 2018, Book abstracts Paper ID: G-19, pag 275, IOP Conference Series: Materials Science and Engineering, International Conference on Modern Technologies in Industrial Engineering IV, Jun 13-16, Constanta Romania, DOI: 10.1088/1757-899X/400/8/082011, WOS:000461147400191</p> <p>https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000461147400191</p>	0.2
<p>Faitar, C., Stan., L. C. - <i>Possibility of placing a retractable sail system for an oil tanker to optimize its efficiency</i>, NAV International Conference on Ship and Shipping Research Issue 221499, 2018, Pages 729-736 19th International Conference on Ship and Maritime Research, NAV 2018; Trieste; Italy; 20 June 2018 through 22 June 2018; Code 221499, DOI: 10.3233/978-1-61499-870-9-729, WOS:000567876300085</p>	0.2

https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000567876300085	
<p>Buzbuchi Nicolae., Stan Liviu, Mitu D.E. - "<i>Numeric Simulation of Air Pollution due to naval engines</i>", Environmental Engineering and Management Journal, Vol 8 No. 5, "Gh. Asachi" Technical University of Iasi, September/October 2009, Vol. 8, No.5, pp.1213-1219 $F_i = 1.1 \rightarrow P_{1.3} = 0.2 + 1.1 = 1.3$</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=3&doc=28</p>	1.3
<p>Calimanescu Ioan, Stan Liviu, Velcea Daniel – "<i>Design 9optimization of a nanofluid injection system for LOCA events in a nuclear power plant</i>", Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 145, Article Number: 072005, DOI: 10.1088/1757-899X/145/7/072005, Published: 2016</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=1&doc=2</p>	0.2
<p>Călimănescu Ioan, Stan Liviu, Popa Viorica – "<i>The maximum life expectancy for a micro-fabricated diaphragm</i>", Conference: 7th International Conference on Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies (ATOM-N) Location: Constanta, ROMANIA, Date: AUG 21-24, 2014, DOI: 10.1117/12.2069990</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=1&doc=8</p>	0.2
<p>Călimănescu Ioan, Stan Liviu, Popa Viorica – "<i>Optimized design for an electrothermal microactuator</i>", Conference: 7th International Conference on Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies (ATOM-N), Location: Constanta, ROMANIA, Date: AUG 21-24, 2014, DOI: 10.1117/12.2069988</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=1&doc=9</p>	0.2
<p>Memet Feiza, Stan Liviu, Mitu Daniela – "<i>A POINT OF VIEW ON HOW TO ACHIEVE A MORE SUSTAINABLE FOOD PROCESSING</i>", Conference: 7th International Conference on Management of Technological Changes, Location: Alexandroupolis, GREECE Date: SEP 01-03, 2011, WOS:000306940000019</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=2&doc=13</p>	0.2
<p>Memet Feiza, Stan Liviu – "<i>CHALLENGES AND ALTERNATIVES FOR THE REFRIGERATED TRANSPORT IN DEVELOPING</i></p>	0.2

<p><i>COUNTRIES</i>”, Conference: 7th International Conference on Management of Technological Changes, Location: Alexandroupolis, GREECE, Date: SEP 01-03, 2011, WOS:000306940000020</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=2&doc=14</p>	
<p>Mitu Daniela, Stan Liviu – “<i>MODERN CONCEPTS FOR UNDERSTANDING DECISION-MAKING IN CRISIS CONDITION</i>”, Conference: 7th International Conference on Management of Technological Changes, Location: Alexandroupolis, GREECE Date: SEP 01-03, 2011, WOS:000306940000174</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=2&doc=17</p>	0.2
<p>Mitu Daniela, Stan Liviu – “<i>THE RESISTENS OF SUPERFICIAL CORROSION LAYERS OBTAINED THROUGH IMPULSE ELECTRICAL DISCHARGES USING ALUMINIUM ELECTRODES</i>”, Conference: International Conference on Mechanical Engineering and Technology (ICMET 2011), Location: London, ENGLAND, Date: NOV 24-25, 2011, WOS:000320410400051</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=2&doc=19</p>	0.2
<p>Feiza Memet, Stan Liviu, Buzbuchi Nicolae – “<i>Exergy and environmental analysis of the one stage vapor compression marine refrigerating machine working with ammonia</i>”, Conference: 2nd International Conference on Manufacturing Engineering, Quality and Production Systems, Location: Constantza Maritime Univ, Constantza, ROMANIA, Date: SEP 03-05, 2010, WOS:000290464600012</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=3&doc=21</p>	0.2
<p>Buzbuchi Nicolae, Stan Liviu – “<i>Model Simulation of High Power Diesel Engine Exhaust Gas Pollutants</i>”, Conference: 3rd International Conference on Environmental and Geological Science and Engineering (EG 10), Location: Constantza Maritime Univ, Constanta, ROMANIA, Date: SEP 03-05, 2010, WOS:000302000200013</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=3&doc=21</p>	0.2

nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=3&doc=22	
Total P1.3 = 1.3+0.2*12= 3.9	3.7
P 1.4 Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) ca și co-autor (număr de autori > 3)	
Baracu T., Patrascu M., Teodosiu C., Barsan M.V., Gheorghian A., Streche C., Bosneagu R., Babis C., Ionita C., Radoiu V. B., Costinas S., Stan L. , Mesteru C., Vladulescu F., Galeano G. <i>Deterministic matrix-based radiative design using a new general formulation of exergy and exergy efficiency for hybrid solar collectors</i> , APPLIED THERMAL ENGINEERING, Volume 182, Article Number 115318, DOI 10.1016/j.applthermaleng.2020.115318 Published JAN 5 2021 Fi = 6.4 → P1.4 = 3*(0.2+Fi)/15 = 1.32 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000592641600001	1.32
Faitar Catalin, Nedelcu Andra Teodora, Buzbuchi Nicolae, Stan Liviu , Dumitrache Cosmin „ <i>Maintenance of recovery boilers from VLCC shipboard</i> ”, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 916, Article Number: 012037, DOI: 10.1088/1757-899X/916/1/012037, Published: 2020, WOS:000625330000037 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000625330000037	0.12
Faitar Catalin, Nedelcu Andra Teodora, Buzbuchi Nicolae, Stan Liviu , Dumitrache Cosmin, „ <i>Optimizing the energy efficiency of vessels using recovery boilers</i> ”, MODTECH INTERNATIONAL CONFERENCE - MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING VIII , Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 916, Article Number: 012038 DOI: 10.1088/1757-899X/916/1/012038, Published: 2020 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000625330000038	0.12
Nedelcu, A.T., Faităr, C., Stan, L. , Buzbuchi, N., Dumitrache, L.M. <i>The vehicle movement using computational fluid dynamics method</i> , IOP Conference Series: Materials Science and Engineering, Vol. 591, 19-22 June 2019, ModTech 2019, doi:10.1088/1757899X/591/1/012110, WOS:000562929900110 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000562929900110	0.12
Faitar Catalin, Buzbuchi Nicolae, Nedelcu, A.T., Stan L. , <i>Considerations of the energy balance of an internal combustion engine and the</i>	0.12

<p>recovery of heat lost through the cooling water, MODTECH INTERNATIONAL CONFERENCE - MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING VII, Book Series: IOP Conference Series-Materials Science and Engineering, DOI: 10.1088/1757-899X/916/1/012038, WOS: 000562929900088, Published: 2019</p> <p>https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000562929900088</p>	
<p>Mărtinaș George, Cupșa Ovidiu, Stan Liviu, Arsenie Andreea – “Cold flow simulation of an internal combustion engine with vertical valves using layering approach”, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 95, Article Number: 012043 DOI: 10.1088/1757-899X/95/1/012043, Published: 2015</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=1&doc=7</p>	0.15
<p>Total P1.4 = 1.32+4*0.12+0.15 = 1.95</p>	1.95
<p>N3.1 Articole și publicații BDI, neincluse la P1, ca prim autor</p>	
<p>Stan L., Gordes A.N., Agape A.G. <i>Propulsion system shaft line analysis of a 70.000 dwt LNG tanker</i>, <i>IOP Conference Series: Earth and Environmental Science Open Access</i> Volume 968, Issue 121 January 2022 Article number 0120042021 International Conference on Sustainable Future and Environmental Science, EsiTech 2021 Bucharest 27 March 2021 through 28 March 2021 Code 177103, ISSN 17551307 DOI: 10.1088/1755-1315/968/1/012004</p> <p>https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85124899792&origin=resultslist&sort=plf-f&src=s&st1=stan+l&nlo=&nlr=&nls=&sid=8d8ca210a0aa1f181f71d7234e53dab9&sot=b&sdt=cl&cluster=scoprefnameauid%2c%22Stan%2c+L.%236701539716%22%2c%22Stan%2c+L.%236701539714%22%2c%22Stan%2c+L.C.%2326325870400%22%2c%22Stan%2c+L.%2357189215492%22%2c%2bscoaffilctry%2c%22Romania%22%2c%2bscoafid%2c%2260027738%22%2c%2260023386%22%2c%22123435474%22%2c&sl=19&s=AUTHOR-NAME%28stan+l%29&relpos=1&citeCnt=0&searchTerm=</p>	1

<p>Stan L., Juganaru D.E. <i>COMPARATIVE STUDY ON THE DISPLACEMENTS, EQUIVALENT ELASTIC STRAIN AND EQUIVALENT STRESS OF THE PROPELLER SHAFT AT DIFFERENT OPERATING MODES</i>, <i>International Journal of Modern Manufacturing Technologies</i> Volume 14, Issue 2, Pages 234 - 2392022</p> <p>https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85145312292&origin=resultslist&sort=plf-f&src=s&st1=stan+l&nlo=&nlr=&nls=&sid=8d8ca210a0aa1f181f71d7234e53dab9&sot=b&sdt=cl&cluster=scoprefnameuid%2c%22Stan%2c+L.%236701539716%22%2c%22Stan%2c+L.%236701539714%22%2c%22Stan%2c+L.C.%2326325870400%22%2c%2c%22Stan%2c+L.%2357189215492%22%2c%2bscoafilctry%2c%22Romania%22%2c%2bscoafid%2c%2260027738%22%2c%2c%2260023386%22%2c%2c%22123435474%22%2c&sl=19&s=AUTHOR-NAME%28stan+l%29&relpos=2&citeCnt=0&searchTerm=</p>	1
<p>Stan L., Gordes A.N., Agape A.G. <i>MEDIUM SIZE LNG TANKER LUBRICATING SYSTEM HEAT EXCHANGER (COOLER) ANALYSIS</i>, <i>International Journal of Modern Manufacturing Technologies</i> Open Access Volume 14, Issue 3, Pages 251 - 2592022, ISSN 20673604 DOI 10.54684/ijmmt.2022.14.3.251</p> <p>https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85145302139&origin=resultslist&sort=plf-f&src=s&st1=stan+l&nlo=&nlr=&nls=&sid=8d8ca210a0aa1f181f71d7234e53dab9&sot=b&sdt=cl&cluster=scoprefnameuid%2c%22Stan%2c+L.%236701539716%22%2c%22Stan%2c+L.%236701539714%22%2c%2c%22Stan%2c+L.C.%2326325870400%22%2c%2c%22Stan%2c+L.%2357189215492%22%2c%2bscoafilctry%2c%22Romania%22%2c%2bscoafid%2c%2260027738%22%2c%2c%2260023386%22%2c%2c%22123435474%22%2c&sl=19&s=AUTHOR-NAME%28stan+l%29&relpos=3&citeCnt=0&searchTerm=</p>	1
<p>Stan Liviu, Mitu Daniela - <i>“THE THERMO –MECHANICAL ANALYSIS OF MECHANICAL PACKING (SEAL), USING FINITE ELEMENT METHOD (FEM) – RESULTS AND CONCLUSIONS”</i>, Conference: International Conference on Mechanical Engineering and Technology (ICMET 2011), Location: London, ENGLAND, Date: NOV 24-25, 2011, WOS:000320410400015</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=2&doc=18</p>	1
<p>Stan Liviu, Buzbuchi Nicolae - <i>“Operation Factors Influence on the Dynamics Behavior of Marine Propulsion Systems”</i>, Conference: 2nd International Conference on Manufacturing Engineering, Quality and Production Systems, Location: Constantza Maritime Univ, Constantza, ROMANIA, Date: SEP 03-05, 2010</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=2&doc=20</p>	1

<p>Stan Liviu, Memet Feiza, Buzbuchi Nicolae – “<i>Combustion simulation for naval diesel engine</i>”, Conference: 3rd International Conference on Maritime and Naval Science and Engineering, Location: Constantza Maritime Univ, Constantza, ROMANIA, Date: SEP 03-05, 2010, WOS:000290247500012</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=3&doc=23</p>	<p>1</p>
<p>Stan Liviu – “<i>ENGINEERING ADVANCED RESEARCH METHOD FOR THE STUDY OF MARINE PROPULSION SYSTEMS</i>”, Conference: 6th International Seminar on the Quality Management in Higher Education, Location: Tulcea, ROMANIA, Date: JUL 08-09, 2010, WOS:000288291700162</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=3&doc=26</p>	<p>1</p>
<p>Stan Liviu, Călimănescu Ioan, Buzbuchi Nicolae – “<i>Testing of a Fuel Injector in a Supersonic Air Stream</i>”, Conference: Conference on Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies IV, Location: Constanta, ROMANIA Date: AUG 28-31, 2009, WOS:000291642900100</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=3&doc=29</p>	<p>1</p>
<p>Stan Liviu, Călimănescu Ioan, Buzbuchi Nicolae – “<i>Measuring of a Fuel Injector in a Supersonic Air Stream</i>”, Conference: Conference on Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies IV, Location: Constanta, ROMANIA, Date: AUG 28-31, 2008, WOS:000291642900099</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=3&doc=30</p>	<p>1</p>
<p>Stan Liviu, Bocănete Paul, Buzbuchi Nicolae – “<i>THE NEW MANAGEMENT ERRORS TEAM IN MARITIME SAFETY</i>”, Conference: 6th International Conference on the Management of Technological Changes, Location: Alexandroupolis, GREECE Date: SEP 03-05, 2009, WOS:000273226200092</p>	<p>1</p>

<p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=4&doc=34</p>	
<p>Stan Liviu – “<i>A new innovative turbocharger concept numerically tested and optimized with CFD</i>”, Safety of Sea Transportation - Proceedings of the International Conference on Marine Navigation and Safety of Sea Transportation, TRANSNAV 20172017, Pages 211-216International Conference on Marine Navigation and Safety of Sea Transportation: Safety of Sea TransportationSafety of Sea Transportation, TRANSNAV 2017; Gdynia; Poland; 21 June 2017 through 23 June 2017</p> <p>https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85058155387&origin=resultslist&sort=plf-f&src=s&sid=2e72c8938e03c8499dc345fa90573feb&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2826325870400%29&relpos=7&citeCnt=0&searchTerm=</p>	1
<p>Stan Liviu, Hanzu-Pazaru R., Dușe E – “<i>Online learning technology in the academic educational process</i>”, Safety of Sea Transportation - Proceedings of the International Conference on Marine Navigation and Safety of Sea Transportation, TRANSNAV 20172017, Pages 277-284International Conference on Marine Navigation and Safety of Sea Transportation: Safety of Sea TransportationSafety of Sea Transportation, TRANSNAV 2017; Gdynia; Poland; 21 June 2017 through 23 June 2017</p> <p>https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85058176063&origin=resultslist&sort=plf-f&src=s&sid=2e72c8938e03c8499dc345fa90573feb&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2826325870400%29&relpos=8&citeCnt=0&searchTerm=</p>	1
<p>Stan Liviu, Buzbuchi Nicolae – “<i>The importance of the educational factor to assure the safe and security on the sea</i>”, Marine Navigation and Safety of Sea Transportation2009, Pages 751-7548th International Navigational Symposium on Marine Navigation and Safety of Sea Transportation, Trans-Nav 2009; Gdynia; Poland; 17 June 2009 through 19 June 2009</p> <p>https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84859907996&origin=resultslist&sort=plf-f&src=s&sid=1608dcc0e68f9448d49b12edccc20863&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2826325870400%29&relpos=22&citeCnt=0&searchTerm=</p>	1
<p>Total N 3.1 = 13</p>	13
<p>N3.2 Articole și publicații BDI, neincluse la P1, ca și co-autor</p>	
<p>Nedelcu Andra Teodora, Buzbuchi Nicolae, Făităr Cătălin, Stan Liviu – “<i>Underwater vehicle – Their past, present and future development</i>”, Volume 1122, Issue 1, 26 November 2018, Article number 0120192018 Resort-International Conference on Sustainable Future and Technology Development, RESORT 2018; Bucharest; Romania; 15 October 2018 through; Code 142771</p> <p>https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85058219466&origin=resultslist&sort=plf-f&src=s&st1=Buzbuchi+N&st2=&sid=044aba318620d83e4a2490581055d6dd&sot=b&sdt=b&sl=23&s=AUTHOR-NAME%28Buzbuchi+N%29&relpos=0&citeCnt=0&searchTerm=</p>	1

<p>Faităr Cătălin, Nedelcu Andra, Buzbuchi Nicolae, Stan Liviu –“<i>Consideration of Energy Efficiency Operational Index evaluation</i>”, Volume 1122, Issue 1, 26 November 2018, Article number 0120132018 Resort-International Conference on Sustainable Future and Technology Development, RESORT 2018; Bucharest; Romania; 15 October 2018 through; Code 142771</p> <p>https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85058241394&origin=resultslist&sort=plf-f&src=s&st1=Buzbuchi+N&st2=&sid=044aba318620d83e4a2490581055d6dd&sot=b&sdt=b&sl=23&s=AUTHOR-NAME%28Buzbuchi+N%29&relpos=1&citeCnt=0&searchTerm=</p>	1
<p>Bocănete Paul, Hanzu-Pazara R, Scriosteanu I, Stan Liviu–“HUMAN ELEMENT IN TECHNOLOGICAL CHANGE PROCESS”, Conference: 6th International Conference on the Management of Technological Changes, Location: Alexandroupolis, GREECE Date: SEP 03-05, 2009, WOS:000273225100081</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=4&doc=31</p>	1
<p>Bocănete Paul, Memet Feiza, Stan Liviu –“<i>THE ROLE OF ENERGY MANAGERS FROM ENTERPRISES</i>”, Conference: 6th International Conference on the Management of Technological Changes, Location: Alexandroupolis, GREECE Date: SEP 03-05, 2009, WOS:000273226200006</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=4&doc=32</p>	1
<p>Hanzu-Pazara R, Arsenie Paulica, Stan Liviu, Bocănete Paul, Boștina Alina, Dumitrache Ramona–“THE TRAINING SYSTEM AND TECHNOLOGY CHALLENGES”, Conference: 6th International Conference on the Management of Technological Changes Location: Alexandroupolis, GREECE, Date: SEP 03-05, 2009, WOS:000273226200065</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=4&doc=33</p>	1
<p>Buzbuchi N., Stan L., <i>Theoretical and experimental study of the propeller harmonic torque and thrust structure</i>, 26th Danubia-Adria Symposium on Advances in Experimental MechanicsPages 21 - 222009 26th Danubia-Adria Symposium on Advances in Experimental Mechanics, 23 September 2009 - 26 September 2009, ISBN 978-390254402-5</p> <p>https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84908330617&origin=resultslist&sort=plf-f&src=s&nlo=&nlr=&nls=&sid=e7aa16a3186bc82dc4c8e70fc901bd14&sot=b&sdt=cl&cluster=scoafid%2c%2260027738%22%2ct&sl=19&s=AUTHOR-NAME%28Stan+L%29&relpos=24&citeCnt=0&searchTerm=</p>	1
<p>Total N 3.2 = 6</p>	

Total N3 = N3.1+N3.2 = 19	19
P2.2 Brevete de invenții nationale indexate OSIM	Punctaj
Calimanescu, I., Stan, L.C., Turbina eoliană cu rotor cu axorizantal amplasat într-un tub de vânt și cu capcană reglabilă de vânt, Brevet de inventive nr. A 2012 00666 /20.09.2012, publicat in Buletinul oficial de Proprietate Industrială –Secțiunea Inventii Nr. 3, RO-BOPI 3/2014, din 28.03.2014, pg19 $P2.2 = 2 * (0.2 + 0.5) = 1.4$ https://osim.ro/wp-content/uploads/Publicatii-OSIM/BOPI-Inventii/2014/bopi_inv_03_2014.pdf	1.4
Calimanescu, I., Stan, L.C., Elice de propulsie acvatică cu pale cu ajutaje laterale și dorsale, cu rezistență hidrodinamică diminuată, Brevet de inventive nr. A 2012 00667 /20.09.2012, publicat in Buletinul oficial de Proprietate Industrială –Secțiunea Inventii. RO-BOPI 3/2014, din 28.03.2014, pg19 https://osim.ro/wp-content/uploads/Publicatii-OSIM/BOPI-Inventii/2014/bopi_inv_03_2014.pdf $P2.2 = 2 * (0.2 + 0.5) = 1.4$	1.4
Calimanescu, I., Stan, L.C., Ferma de producere a energiei electrice din energia valurilor, Brevet de inventive nr. A 2012 00666 /20.09.2012, publicat in Buletinul oficial de Proprietate Industrială –Secțiunea Inventii Nr. 3, RO-BOPI 3/2014, din 28.03.2014, pg25 https://osim.ro/wp-content/uploads/Publicatii-OSIM/BOPI-Inventii/2014/bopi_inv_03_2014.pdf $P2.2 = 2 * (0.2 + 0.5) = 1.4$	1.4
Total P2.2 = 4.2	4.2
N4.3 Monografii / Cărți de specialitate format tipărit/electronic(minim 100 pagini) ca prim autor	Punctaj
Stan L.C., Buzbuchi N.- <i>Teste de evaluare: Motoare cu ardere internă. Instalații de forță cu abur și gaze</i> , 233 pag. A5, Editura Nautica, Colectia Masini Navale, ISBN 978-606-8105-75-5, Constanta, 2012	1
Masini Navale 299 pg. A4	1
Curs in limba engleza Leadership and Teamwork 150 pg	1
Curs in limba engleza Generatoare de abur, turbine cu abur si gaz I, 250pg	1
Curs Leadership si coordonarea echipei de cart in compartimentul masina, 200 pag	1
Total N4.3 = 5	5
N4.4 Monografii / Cărți de specialitate format tipărit/electronic(minim 100 pagini) co-autor	Punctaj
Buzbuchi N, Stan L.C., Faitar C. <i>Dynamic behavior modeling and simulation of marine propulsion systems</i> , pag A4, Editura Nautica, ISBN 978-606-681-170-5, Constanta, 2022	1
Baracu T., Ionita C., Pavaloiu B., Gheorghian A., Stan L.C., Bosneagu R., Streche C., Babis C., Mesteru C., Gearip G., Dumitru M., Pascu A., Ionita S. <i>Metode numerice cu programare echivalenta in platformele C++, Matlab si Mathcad</i> , Editura Matrix Rom, 2022, ISBN 978-606-25-0711-4	1
Buzbuchi N, Stan L.C.- <i>Procese si caracteristici ale motoarelor navale</i> , 211 pag A4, Editura Nautica, Colectia Masini Navale, ISBN 978-973-7872-78-4, Constanta, 2008	1
Buzbuchi N, Stan L.C. - <i>Constructia motoarelor navale si a sistemelor auxiliare ale acestora</i> , 345 pag. A4, Editura Nautica, Colectia Masini Navale, ISBN 978-973-7872-79-1, Constanta, 2008	1
Panaitescu M, Panaitescu V, Dragomir I, Stan L, - <i>Controlul si managementul apei de balast la nave</i> , 93 pag, Editura Ex Ponto, ISBN	1

973-644-144-X, Constanta, 2003	
Total N 4.4 = 5	5
A3 - Recunoașterea și impactul activității RIA	
S1 Atragerea resurse financiare prin granturi/proiecte/contracte cu terți. Director sau responsabil partener la grant/proiect câștigat prin competiție națională sau internațională	Suma echivalentă în mii de euro
Director proiect UMC in cadrul proiectului <i>Black sea fLoating Offshore Wind</i> , Project no: 101084323 — BLOW — HORIZON-CL5-2021-D3-03, Durata proiectului: 5 ani - 01.01.2023-31.12.2027 Total buget proiect=21242888 euro, din care UMC 421875 euro S1=421.187 puncte	421.187
Director / Membru in cadrul Proiectului de cercetare – GRANT CNCISIS A/419 Cod 1-Comisia 2 „Modelarea numerică a fenomenelor termogazodinamice, mecanice, a funcționării motoarelor cu ardere internă navale și a sistemelor auxiliare ale acestora”. Director de proiect: Faza I Stan Liviu/ Faza II si III Prof. univ. dr. ing. Nicolae Buzbuchi Valoarea totala proiectului:100.000 RON (faza I = 30000 Ron, faza a II 30000 Ron, faza a IIIa 40000 Ron) Curs dolar anul 2000 = 2.272 lei Suma faza I = 30000/2.272 = 13.20 puncte S1 = 13.20 puncte	13.20
Responsabil partener implementare Componenta 2a proiectului - Educatie si Dezvoltare Cursuri IMO- “RoNoMar” - Romanian Norwegian Maritime Project , Promotor proiect: Universitatea Maritima din Constanta 2010-2012, Bugetul proiectului - EUR 4,708,000, Grant: EUR 4.000.000, Buget Componeta a-II-a- EUR 752680 https://eeagrants.org/archive/2004-2009/projects/2008/111922 S1 = 752.68 puncte	752.68
Director Proiect POSDRU /182/2.3/S/153875 pe axa 2.3, “Vreau sa ma calific”, ID 153875 , durata de desfășurare a proiectului fiind de 9 luni, începând cu 30.03.2015 , 6 membri , Anul începerii proiectului: 2014 Anul finalizării proiectului: 2015 Funcția deținută în proiect: Director Bugetul intrat în Fundația Universitara “Black Sea Foundation”: 532417.29 RON din care catre UMC: 472485.14	0
S2 Atragerea resurse financiare prin granturi/proiecte/contracte cu terți. Membru în echipă la grant/proiect câștigat prin competiție națională sau internațională, proiecte/contracte terți	Suma echivalentă în mii

	de euro (puncte)
<p>Membru in proiectul : <i>Creșterea echității sociale în învățământul superior de marină în vederea incluziunii sociale, egalității de gen, nediscriminării și sporirii accesului la învățământul superior</i>, 3302_CNFIS-FDI2022_0440/30.06.2022. Valoare buget proiect=252.000 LEI (50974 Euro , 1euro=4.9437) Salariu expert=9333 RON /1878 euro</p> <p>S2=9333/4.97=1878euro→1.878 puncte</p>	1.878
<p>Membru in proiectul <i>Imbunatatirea calitatii activitatii didactice, a deontologiei si eticii academice prin dezvoltarea unor instrumente de integrare a resurselor si infrastructurilor de cercetare si academica</i>, Project no: CNFIS-FDI 2019-0783 Bugetul proiectului:33545 euro Salariu expert=27646.66 lei</p> <p>S2=27646/4.97= 5562.70euro→5.562 puncte</p>	5.562
<p>Membru in proiectul “<i>DIDAETIC</i>”- <i>Imbunatatirea calitatii activitatii didactice din UMC prin respectarea deontologiei si eticii academice</i>, Project no: CNFIS-FDI-2018-0483 Bugetul proiectului:127778 euro Salariu expert=45968 lei</p> <p>S2=45968/4.97= 9249.09 euro→9.249 puncte</p>	9.249
<p>Membru in proiectul international - „Green energy cluster - Constanta-Dobrich” - MIS-ETC Code 328, Cross Border Cooperation Romania-Bulgaria MIS-ETC Code 328 2(4i)-2.1-3 Tip proiect: Bilateral Anul inceperii proiectului: 2014 Anul finalizării proiectului:2015 Denumirea postului: Inginer maritim, perioada Decembrie2014-Iunie 2015, Bugetul proiectului = 141 000 Eur Salariu expert=14925 lei</p> <p>S2=14925/4.97=3003.01→S2=3.003 puncte</p>	3.003
<p>Membru in proiectul MINE-EMI-Maritime Innovative Network of Education for Emerging Maritime-KA 203-077463, Project no. 1-Tr01-KA 203-077463 (2019-2022) Valoare buget proiect=45019 euro Salariu expert=8514 RON</p> <p>S2=8514/4/97=1713 euro→1.713 puncte</p>	1.713
<p>Membru in proiectul <i>Future Proof Skills for the Maritime Shipping Sector - Key Action 2:Sector Skills Alliance - TEACHER/TRAINER</i>, Project no: 601186-EPP-1-2018-1-NL-EPPKA2-SSA-B Perioada derulare:2019-2022 Bugetul proiectului:36120 euro</p>	5.13

Salariu expert: 25500 ron S2=25500/4.97= 5130.78 euro→5.13 puncte	
Total S1 + S2 = 421.187+13.20+752.68 + 1.878+5.562+9.249+3.003+1.713+5.13 = 1214.793	1208.602
N5 Prezentarea/Diseminarea rezultatelor: prezență la manifestări științifice în calitate de autor/co-autor de lucrări, profesor invitat. Congrese/conferințe/workshopuri internaționale, profesor invitat la universități/institute din străinătate	Punctaj
Stan Liviu Constantin, Buzbuchi Nicolae, Memet Feiza - " <i>COSTS EVALUATION FOR BALLAST WATER TREATMENT APPLYING THE ADVANCED OXIDATION TECHNOLOGY</i> ", ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume:8, Issue:6, Pages:1385-1389 DOI:10.30638/eemj.2009.202, Published:NOV-DEC 2009, Document Type:Article; Proceedings Paper Fi = 1.186 → P1.3 = 2*(0.2 + 1.186) = 2.772 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=F1ZAa7G2f5E8AKeo7V7&page=1&doc=10	1
Buzbuchi Nicolae., Stan Liviu, - " <i>Numeric Simulation of Air Pollution due to naval engines</i> ", Environmental Engineering and Management Journal, Vol 8 No. 5, "Gh. Asachi" Technical University of Iasi, September/October 2009, Vol. 8, No.5, pp.1213-1219 Fi = 1.186 → P1.3 = 0.2+1.186 = 1.386 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=3&doc=28	1
Profesor invitat de University of Montenegro, Maritime Faculty Kotor, Montenegro, prin cadrul Tempus project,,Modernizing and harmonizing maritime education in Montenegro and Albania" - MArED 544257-TEM PUS-r-2o13-1- M E-TEM PUS-J PCR, 2017 https://cmu-edu.eu/blog/2017/11/20/cadre-didactice-din-umc-au-participat-la-evenimentele-de-incheiere-cu-success-a-perioadei-de-implementare-a-proiectului-mared/	1
Chairman - sesiunea Marine Engineering, ModTech2018, August, Constanta; / Organizing Committee Constanta Maritime University, ModTech International Conference Modern Technologies in Industrial Engineering Chairs : Liviu Constantin Stan , Domnișoru Leonard	1
Chairman la conferința internațională ATOM-N 2014, Posters Session 2, 23 august 2014, Constanta, Romania Chairs : Liviu Constantin Stan , Mirel Paun	1
Stan Liviu - " <i>Online Teaching Technique in Maritime Learning Process</i> ", Book Series: Procedia Social and Behavioral Sciences, Volume: 116, Pages: 4517-4520, DOI: 10.1016/j.sbspro.2014.01.977, Published: 2014 Conference: 5th World Conference on Educational Sciences (WCES), Location: Rome Sapienza Univ, Rome, ITALY Date: FEB 05-08, 2013 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=5&SID=F4c2tPzaHD8KobjkAO&page=1&doc=10	1
Stan Liviu, Buzbuchi Nicolae - " <i>Combustion chamber of the Diesel engine-theory and numerical simulation</i> ", SUSTAINABLE MARITIME TRANSPORTATION AND EXPLOITATION OF SEA RESOURCES, VOL 2, Conference:14th International Congress	1

of the International-Maritime-Association-of-the-Mediterranean (IMAM), Location: Genova, ITALY, Date: SEP 13-16, 2011	
http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=F1ZAa7G2f5E8AKeo7V7&page=1&doc=5	
Stan Liviu, Mitu Daniela - <i>"THE THERMO -MECHANICAL ANALYSIS OF MECHANICAL PACKING (SEAL), USING FINITE ELEMENT METHOD (FEM) - RESULTS AND CONCLUSIONS"</i> , Conference: International Conference on Mechanical Engineering and Technology (ICMET 2011), Location: London, ENGLAND, Date: NOV 24-25, 2011, WOS:000320410400015	1
http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=2&doc=18	
Stan Liviu, Memet Feiza, Buzbuchi Nicolae - <i>"Combustion simulation for naval diesel engine"</i> , Conference: 3rd International Conference on Maritime and Naval Science and Engineering, Location: Constantza Maritime Univ, Constantza, ROMANIA, Date: SEP 03-05, 2010, WOS:000290247500012	1
http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=3&doc=23	
Stan Liviu - <i>"ENGINEERING ADVANCED RESEARCH METHOD FOR THE STUDY OF MARINE PROPULSION SYSTEMS"</i> , Conference: 6th International Seminar on the Quality Management in Higher Education, Location: Tulcea, ROMANIA, Date: JUL 08-09, 2010, WOS:000288291700162	1
http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=3&doc=26	
Faităr Cătălin, Stan Liviu - <i>"Possibility of placing a retractable sail system for an oil tanker to optimize its efficiency"</i> , NAV International Conference on Ship and Shipping Research Issue 221499, 2018, Pages 729-736 19th International Conference on Ship and Maritime Research, NAV 2018; Trieste; Italy; 20 June 2018 through 22 June 2018	1
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Stan Liviu, Călimănescu Ioan, Buzbuchi Nicolae - <i>"Measuring of a Fuel Injector in a Supersonic Air Stream"</i> , Conference: Conference on Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies IV, Location: Constanta, ROMANIA, Date: AUG 28-31, 2008, WOS:000291642900099	1
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Stan Liviu, Bocănete Paul, Buzbuchi Nicolae - <i>"THE NEW MANAGEMENT ERRORS TEAM IN MARITIME SAFETY"</i> , Conference: 6th International Conference on the Management of Technological Changes, Location: Alexandroupolis, GREECE	1

<p>Date: SEP 03-05, 2009, WOS:000273226200092</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=4&doc=34</p>	
<p>Stan Liviu, Buzbuchi Nicolae - "<i>Operation Factors Influence on the Dynamics Behavior of Marine Propulsion Systems</i>", Conference: 2nd International Conference on Manufacturing Engineering, Quality and Production Systems, Location: Constantza Maritime Univ, Constantza, ROMANIA, Date: SEP 03-05, 2010</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=2&doc=20</p>	1
<p>Total N 5 = 14</p>	14
<p>C Citări in publicații BDI</p>	Punctaj
<p>Lucrare citată: Stan Liviu Constantin, Buzbuchi Nicolae, Memet Feiza - "<i>COSTS EVALUATION FOR BALLAST WATER TREATMENT APPLYING THE ADVANCED OXIDATION TECHNOLOGY</i>", ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume:8, Issue:6, Pages:1385-1389 DOI:10.30638/eemj.2009.202, Published:NOV-DEC 2009, Document Type:Article; Proceedings Paper</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=F1ZAa7G2f5E8AKeo7V7&page=1&doc=10</p> <p>Citată in: "<i>COMPARISON OF PHENOL PHOTODEGRADATION BY UV/H2O2 AND PHOTO-FENTON PROCESSES</i>", ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 9 Issue: 6, Pages: 807-812, DOI: 10.30638/eemj.2010.107, Published: JUN 2010</p> <p>Fi = 1.1 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=18&SID=D5Ue85XIBW2bymf9QhZ&page=1&doc=1</p> <p>https://scholar.google.ro/scholar?oi=bibs&hl=en&cites=1043960416581101424&as_sdt=5</p> <p>Citată in: "<i>THE STUDY OF THE O-3/UV ADVANCED OXIDATION PROCESSES FOR A SWIMMING POOL WATER TREATMENT</i>", ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume:9, Issue:5, Pages:637-642, DOI:10.30638/eemj.2010.087, Published: MAY 2010</p> <p>Fi = 1.1 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=18&SID=D5Ue85XIBW2bymf9QhZ&page=1&doc=1</p>	4.2

<p>nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=63&SID=F1ZAa7G2f5E8AKeo7V7&page=1&doc=2</p> <p>https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000275306300012</p> <p>$C = 1+1+2*1.1 = 4.2$</p>	
<p>Lucrare citată: "Numeric simulation of air pollution due to naval engines", , Environmental Engineering and Management Journal, Vol 8 No. 5, "Gh. Asachi" Technical University of Iasi, September/October 2009, Vol. 8, No.5, pp.1213-1219</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3IAbulKlqpIcexVyPS&page=3&doc=28</p> <p>Citată in: "NUMERICAL SIMULATION OF HEAT TRANSFER IN DIRECTIONAL SOLIDIFICATION PROCESS FOR POLYCRYSTALLINE SILICON", ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume: 10, Issue: 6, Pages: 733-737, Published: JUN 2011 WOS:000294726300002 Fi = 1.1</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=69&SID=F1ZAa7G2f5E8AKeo7V7&page=1&doc=1</p> <p>https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000272499300030</p> <p>Citată in: "OVERVIEW ON DIOXINS AND FURANS ATMOSPHERIC EMISSIONS IN ROMANIA", ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume: 10, Issue: 2 Pages: 241-250, DOI: 10.30638/eej.2011.036, Published: FEB 2011 Fi = 1.1</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=72&SID=F1ZAa7G2f5E8AKeo7V7&page=1&doc=2</p> <p>https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000272499300030</p> <p>$C = 1+1+2*1.1=4.2$</p>	4.2
<p>Lucrare citată: "Simplified mechanism used to estimate the NOx emission of Diesel engine", Proceedings of the 2nd International Conference on Manufacturing Engineering, Quality and Production Systems, 2010</p> <p>https://pdfs.semanticscholar.org/0164/41ccd82a030db4bdfb25eb8ee98d404c76f2.pdf</p> <p>Citată in: <i>Is hydrotreated vegetable oil a superior substitute for fossil diesel? A comprehensive review on physicochemical properties, engine performance and emissions</i>, Fuel, Volume 327, 1 November 2022, 125065</p>	40.9

Fi=7.4

<https://www.sciencedirect.com/science/article/abs/pii/S001623612201907X>

Citată în: "Experimental parametric investigation of platinum catalysts using hydrogen fuel", International Journal of Hydrogen Energy Volume 43, Issue 46, 15 November 2018, Pages 21307-21321, <https://doi.org/10.1016/j.ijhydene.2018.09.167>

Fi = 7.2

<https://www-webofscience-com.am.e-nformation.ro/wos/woscc/summary/1f13edec-a8fc-4f2f-a0c9-7ebbca41ab18-01383eda/relevance/1>

Citată în: "Simulating the effects of turbocharging on the emission levels of a gasoline engine", ALEXANDRIA ENGINEERING JOURNAL, Volume: 56, Issue: 4, Pages: 737-748

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Fi = 6.8

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DOI: 10.1504/IJGW.2018.10009443, Published: 2018

<https://www-webofscience-com.am.e-nformation.ro/wos/woscc/summary/2475cf3c-2617-4c6a-8f4c-1dde7402f1ff-01383106/relevance/1>

Fi = 0.9

Citată în: "Increasing exhaust temperature of an idling light-duty diesel engine through post-injection and intake throttling", SAE Technical Papers Open Access Volume 2018-April 2018 SAE World Congress Experience, WCX 2018, 10 April 2018 - 12 April 2018, ISSN 01487191, DOI 10.4271/2018-01-0223

[https://www-scopus-com.am.e-nformation.ro/results/results.uri?sid=def2166f93726b858181bc6f08a23536&src=s&sot=b&sdt=b&origin=searchbasic&rr=&sl=120&s=TITLE\(Increasing%20exhaust%20temperature%20of%20an%20idling%20light-duty%20diesel%20engine%20through%20post-injection%20and%20intake%20throttling\)&searchterm1=Increasing%20exhaust%20temperature%20of%20an%20idling%20light-duty%20diesel%20engine%20through%20post-injection%20and%20intake%20throttling&searchTerms=&connectors=&field1=TITLE&fields=](https://www-scopus-com.am.e-nformation.ro/results/results.uri?sid=def2166f93726b858181bc6f08a23536&src=s&sot=b&sdt=b&origin=searchbasic&rr=&sl=120&s=TITLE(Increasing%20exhaust%20temperature%20of%20an%20idling%20light-duty%20diesel%20engine%20through%20post-injection%20and%20intake%20throttling)&searchterm1=Increasing%20exhaust%20temperature%20of%20an%20idling%20light-duty%20diesel%20engine%20through%20post-injection%20and%20intake%20throttling&searchTerms=&connectors=&field1=TITLE&fields=)

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<p>Pages 221-233</p> <p>https://1c10q9a2n-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/summary/48c1a442-d8ef-484a-8f29-0c06476bd5db-a626e167/author-ascending/2</p> <p>Fi=11.2</p> <p>Citată în: “Numerical Study on the Constant Volume Combustion Characteristics of Biodiesel According to the Change of EGR Rate ”, JOURNAL OF THE KOREAN SOCIETY OF COMBUSTION, Volume 25, Issue 3, Page 39-47, DOI 10.15231/jksc.2020.25.3.039, Published, SEP 2020</p> <p>https://www-webofscience-com.am.e-nformation.ro/wos/woscc/summary/79bfe53b-a65c-4597-b46e-8ec720990ca7-0138d9d9/relevance/1</p> <p>C = 1+1+1+1+1+1+1+7.4+7.2+6.8+0.9+11.2+0.4=40.9</p>	
<p>Lucrare citată: "COMPUTER fluid dynamics (CFD) study of a micro annular gear pump", Book Series: Proceedings of SPIE, Volume: 10010, Article Number: UNSP 1001020, DOI: 10.1117/12.2241674</p> <p>Published: 2016</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=5&SID=F4c2tPzaHD8KobjkAO&page=1&doc=6</p> <p>Citată în: "Water interference effect on ship due to square shaped object shielding", IoP Conference Series: Earth and Environmental Science Volume 172, Issue 1, 12 July 2018, Article number 0120304th International Scientific Conference SEA-CONF 2018; Constanta; Romania; 17 May 2018 through 19 May 2018</p> <p>https://www-webofscience-com.am.e-nformation.ro/wos/woscc/summary/4496e2ad-0843-4ecf-af34-ec88b8f816d0-01399d53/relevance/1</p> <p>C = 1</p> <p>Citări fără punctaj</p> <p>Citată în: “CFD RESULTS ON PROPELLER ANALYSIS”, “Mircea cel Batran” Naval Academy Scientific Bulletin, Volume XX - 2017 - Issue 2 Published by “Mircea cel Batran” Naval Academy Press, Romania</p> <p>https://www.anmb.ro/buletinstiintific/buletine/2017_Issue2/124-131.pdf</p> <p>Citată în: “Considerations on the Calculation of Ventilation Systems for Special Ships”, ISSN 1453 - 7303 “HIDRAULICA” (No. 4/2017) Magazine of Hydraulics, Pneumatics, Tribology, Ecology, Sensorics, Mechatronics</p>	<p>1</p>

<p>https://hidraulica.fluidas.ro/2017/nr4/18-24.pdf</p> <p>Citată în: “MESHING AND 3D MODELLING FOR SHIP CONSTRUCTION ELEMENTS” , “Mircea cel Batran” Naval Academy Scientific Bulletin, Volume XX - 2017 - Issue 1 https://www.researchgate.net/profile/George-Novac/publication/319743421_MESHING_AND_3D_MODELLING_FOR_SHIP_CONSTRUCTION_ELEMENTS/links/59bb72daca272aff2d054b0/MESHING-AND-3D-MODELLING-FOR-SHIP-CONSTRUCTION-ELEMENTS.pdf</p> <p>Citată în “DATA SOLUTION FOR TURBINE SAFETY” , “Mircea cel Batran” Naval Academy Scientific Bulletin, Volume XX - 2017 - Issue 1 https://www.anmb.ro/buletinstiintific/buletine/2017_Issue1/MES/278-284.pdf</p> <p>Citată în “Considerations regarding Aerodynamic Interaction between Two Wind Turbines. Case of Study: Two Wind Turbines with Rotor Diameter of 6 Meters” , Hidraulica . 2017, Issue 1, p49-54. 6p. https://web.b.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=14537303&asa=Y&AN=122194271&h=Ldhhy1dWiDv%2fEu75vxHRr%2fi1UgdJCBm%2bxjmw%2fBUE%2bYsRAafvsku8oJucrqMe5Z6DhRdA8u6CAKx%2bW3h4UdTLQ%3d%3d&cr=c&resultNs=AdminWebAuth&resultLocal=ErrCrINotAuth&crIhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d14537303%26asa%3dY%26AN%3d122194271</p> <p>Citată în “Considerations regarding Aerodynamic Interaction between Two Wind Turbines. Case of Study: Two Wind Turbines with Rotor Diameter of 6 Meters” , ISSN 1453 - 7303 “HIDRAULICA” (No. 1/2017) Magazine of Hydraulics, Pneumatics, Tribology, Ecology, Sensorics, Mechatronics https://hidraulica.fluidas.ro/2017/nr1/49-54.pdf</p> <p>Citată în “USE OF PRISMATIC CELL PANEL IN SHIPCONSTRUCTION” , Journal of Marine technology and Environment Year 2017, Vol.1 https://cmu-edu.eu/jmte/wp-content/uploads/sites/2/2020/07/Vol.-I-2017-ISSN-online-1.pdf#page=23</p>	
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<p>https://1c10q9a2n-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000625330000103</p> <p>C=1+1+1+1+1.755+0.507=7.262</p>	
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<p>Total C = 104.712</p>	<p>104.712</p>