

IOSUD Universitatea Maritimă din Constanța

Domeniul: Inginerie mecanică

Prof. dr. ing. Dumitru DINU

Fișă de verificare a îndeplinirii standardelor minimale naționale

Condiții minimale pentru profesor					
Domeniu de activitate		Indicatori	Descriere	Minim	Obținut
Activitatea didactică și profesională – DID (A1)	A1.1	N1	Manuale suport de curs	2	4
		N1.1	Manuale suport de curs prim autor	1	3
		N1.3	Manuale suport de curs în format electronic pe platforma universității	1	5
	A1.2	N2	Material didactic	4	12
		N2.1	Standuri laborator	2	6
Total DID				7	21
Activitatea de cercetare - CDI (A2)	A2.1+A2.3	P1+P2	Articole și publicații indexate ISI+brevete	10	3,45
		P1	Articole și publicații indexate ISI	6	2,05
	A2.2	N3	Articole și publicații BDI neincluse în P1.	10	11
		N3.1	Articole și publicații BDI neincluse în P1, ca prim autor	5	5
	A2.4+A2.5	N4	Monografii/ cărți	2	13
		N4.3	Monografii/ cărți ca prim autor	1	4
Total CDI				22	27,45
Recunoașterea impactului activității – RIA (A3)	A3.1	S1+S2	Granturi/proiecte/contracte	50	77
	A3.2	N5	Congrese/conferințe	10	41
	A3.3	C	Citări	25	37
Total RIA				85	155
TOTAL				114	198.45

A1 – Activitatea didactică și profesională - DID	Punctaj
<p>N1.1 Format tipărit coordonator/prim autor: DINU D., PETREA F. “Masini hidraulice si pneumatice”, Institutul de Marina Civila Constanta, 1993, 218 pag. DINU D. “Hydraulics and hydraulic machines”, Ed. Sigma Trading Metafora, 1999, 318 pag. DINU D., SCUPI A. “Instalații navale. Elemente de calcul numeric și de proiectare”, suport de curs, 2018, 110 pag.</p> <p>N 1.2 Format tipărit co-autor: PETREA F., DINU D. “Mecanica fluidelor”, Institutul de Marina Civila Constanta, 1994, 342 pag.</p> <p>N 1.3 Format electronic disponibil pe platforma universității: Mecanica fluidelor (Fluid mechanics) Hidrodinamică și teoria valurilor (Hydromecanics and Wave Theory) Mașini hidraulice (Hydraulics Machines) Sisteme și tehnologii moderne de depoluare marină Underwater Technologies campus.cmu-edu.eu</p>	<p>3</p> <p>1</p> <p>5</p>
<p>N2.1 Standuri laborator (construcție/modernizare): Stand pierderi hidraulice și acționări hidraulice Acționări hidraulice 2016 Mecanica fluidelor (Benoulli) Pierderi hidraulice locale Pierderi hidraulice liniare Pompe centrifuge</p> <p>N 2.2 Îndrumar de laborator/ carte aplicații în format tipărit sau electronic (autor, co-autor): DINU D., PANAITESCU M. “Construcția și proiectarea pompelor centrifuge”, Institutul de Marina Civila Constanta, 1994, 94 pag. DINU D., DINU V. “Prevenirea poluării mediului marin”, Ed. Fundației “Dunărea de Jos”, Galați, 2004. DINU D., BODOLAN D., “Mașini, instalații, automatizări mecanice și hidropneumatice”, Ed. Nautica, 2004.214 pag. PRUIU A., SABĂU A. Indrumar laborator Mecanica fluidelor (format electronic) Indrumar laborator Mașini hidraulice (format electronic) Indrumar program ANSYS FLUENT</p>	<p>6</p> <p>6</p>

A2 – Activitatea de cercetare științifică, dezvoltare tehnologică și inovare - CDI	Punctaj
<p>P1.4 Articole și publicații științifice indexate WOS co-autor: SCUPI A., AVITAL E. J., DINU D., WILLIAMS J.J.R., MUJIZA A. “Large EDDY Simulation of Flows Around a Kite Used as an Auxiliary Propulsion System”, ASME, Journal of Fluids Engineering, October, 2015. ISI</p> <p>doi: 10.1115/1.4030482 $P1.4 = 3(0,2+3,2)/5=2,05$</p> <p>.....</p> <p>N3.1 Articole și publicații științifice BDI – prim-autor:</p> <ol style="list-style-type: none"> 1. DINU D., STOIAN M., „Distortional Simulation in the Study of Flow through Circular Conduits”, Journal of Marine Technology and Environment, Year I, Vol. I, 2008, pag. 45-50. https://issuu.com/jmte/docs/jmte_vol_i_2008 2. DINU D., CUPSA O. „Using FLUENT as an Experimentation Stand. Flow through a Broken Barrage”, Journal of Marine Technology and Environment, Vol. II, Year 2009, pag. 39-46. https://issuu.com/jmte/docs/jmte_vol_ii_2009 3. DINU D., CUPSA O. „The Velocity of the Lock Water Level at a Linear Variation of the Flow in the Filling (Emptying) Conduit”, Journal of Marine Technology and Environment, Vol. I, Year 2010, pag. 101-108. https://issuu.com/jmte/docs/jmte_vol_i_2010 4. DINU D., POPA D. „Jet maneuvering of ROVs. A mathematical model.”, Revista Hidraulica Nr.2(24), iulie, 2009, ISSN 1453-73-03. http://hidraulica.fluidas.ro/archive/ 5. DINU D. „Modern Methods for Study and Evaluation in Maritime Universities According to MET Requirements”, International Journal of Education and Learning Systems, 25 aprilie 2016. https://www.iaras.org/iaras/home/caijels/modern-methods-for-study-and-evaluation-in-maritime-universities-according-to-met-requirements 	<p>2,05</p> <p>5</p>
<p>N3.2 Articole și publicații științifice BDI – co-autor:</p> <ol style="list-style-type: none"> 1. CHIOTOROIU L., BARSAN E., DINU D., HANZU R. „Simulation for Tankers Topping-Off Cargo Loading”, Journal of Maritime Research, Volume 3, No. 3, ISSN 16974840, pag. 73-82, Spanish Society of Maritime, Santander, Spain, 2006. https://www.jmr.unican.es/index.php/jmr/issue/view/9 2. SCUPI A., DINU D., “Experimental and Numerical Methods for Hydrodynamic Profiles Calculation”, Journal on Marine Navigation and Safety of Sea, 2011 DOI: 10.1201/b11344 3. SCUPI A., DINU D., DOBRE A. “Numerical Calculation of Hydrocarbon 	<p>6</p>

<p>Separation Processes in Bilge Installations Using Volume of Fluid Method”, Journal of Marine Technology and Environment, Vol. II, Year 2013, pag. 77-82. https://issuu.com/jmte/docs/jtm-vol.2-2013-ultima-varianta</p> <p>4. ANTON I., DINU D., Wave Simulation with Different Type of Coast Protection Structure – A Comparative Approach”, (15th International Conference on Fluid Mechanics & Aerodynamics (FMA '17), Brasov, Romania, Iunie 2017, <i>International Journal of Environmental Science</i>, 2, 171-176, ISSN:2367-8941. https://www.ias.org/ias/home/caijes/wave-simulation-with-different-type-of-coast-protection-structure-a-comparative-approach</p> <p>5. STANCIU T., SCUPI A., DINU D. “Experimental Verification of Computational Fluid Dynamics Simulation Results to Optimize Intake Mechanisms of Breathing Apparatus”, <i>Buletinul științific al Academiei Fortelor Terestre, Sibiu</i>, 2018.B+, ISSN 2247-8396. http://www.armyacademy.ro/buletin/bul1_2018/Cuprins.pdf</p> <p>6. ANTON I., SCUPI A., DINU D. Nearshore Wave Process Numerical Study for a Better Prediction of Hydrodynamic Loads on Coastal Structures, Mod Tech 2018, Constanța, Romania. http://iopscience.iop.org/article/10.1088/1757-899X/400/8/082003/meta</p>	
<p>P 2.2 Brevete de invenții naționale OSIM: DINU D. “Metoda si aparat pentru masurarea vitezei curentului si adancimi”, Inventie nr. 83176/28.05.1983. P2.2 = 2(0,2+0,5)=1,4</p>	1,4
<p>N 4.1 Produse, tehnologii coordonator/prim autor: Scufundări unitare la mare adâncime Scufundări în saturație Sistem air-lift de lucru sub apă Vehicul subacvatic telecomandat</p>	4
<p>N 4.2 Produse, tehnologii co-autor: Tehnologii de scufundare la presiune atmosferică Minisubmarin de cercetare TV subacvatică Tehnologii de pescuit mecanizat</p>	4
<p>N 4.3 Monografii/ cărți de specialitate prim autor: DINU D., VLAD C. “Scafandri si vehicule subacvatice”, Ed. Stiintifica si Enciclopedica, 1986, 222 pag. DINU D., PANZARIU M., “Tehnologii subacvatice – autorizarea activitatilor STANCA C., VLAD C. subacvatice”, Ed. Tehnica, 2000, 142 pag. DINU D. “Mecanica fluidelor pentru navigatori”, Ed. Nautica, 2010, ISBN 978-606-8105-11-6.208 pag. DINU D., “Mașini hidraulice și pneumatice utilizate în domeniul naval”, Ed. Nautica 2019, format electronic, Ed. Nautica, 2019, ISBN 978-606-681-112-5, 164 pag.</p>	4
<p>N 4.3 Monografii/ cărți de specialitate co-autor: VLAD C., DINU D. “Interventii subacvatice”, Ed. Tehnica, 1982, 120 pag. SCUPI A., DINU D. „Fluid Mechanics. Numerical Approach”, Ed. Nautica, 2015, ISBN 978-606-681-064-7. 160 pag.</p>	2

A3 - Recunoașterea și impactul activității - RIA	
S1 Director sau responsabil partener la grant/proiect câștigat prin competiție națională sau internațională	Sumă echivalentă în mii euro
<ol style="list-style-type: none"> 1. Proiect “TEMPUS” N^o S-JEP – 12466 – 97 “Retraining Program through Open and Distance Teaching in the field of Underwater Technologies”, coordonator din partea Universitatii Maritime ca institutie participante. 2. “Thematic Network on Maritime Education, Training and Mobility of Seafarers (METNET)”, Proiect al Comisiei Europene, 2001-2003. 3. “Studiul functional si proiectarea unui ansamblu “air-lift” utilizabil la centrele hidroenergetice”, 1982, director contract, Beneficiar: I.E. “Portile de Fier”. 30000 lei 4. “Introducerea de tehnologii moderne de lucru cu scafandri la barajele hidroenergetice”, 1983, director contract, Beneficiar: I.E. “Portile de Fier”. 20000 lei. 5. “Elaborarea documentatiei de specialitate privind dotarea unei statii de scafandrierie”, 1984, director contract, Beneficiar: ICEPRONAV – Galati. 10000 lei. 6. “Cercetari privind proiectarea si construirea unor dispozitive si utilaje pentru dotarea navelor de pescuit si mecanizarea unor operatiuni de prelucrare”, 1984, director contract, Beneficiar: I.P. Constanta.25000 lei. 7. “Mecanizarea operatiunilor de pescuit”, 1985, 1986, director contract, Beneficiar: I.P. Constanta. 40000 lei 8. “Instalatie de televiziune suvacvatica”, 1986, 1987, director contract, Beneficiar: I.A.C.H.P. Constanta. 30000 lei 9. “Vehicul subacvatic telecomandat”, 1987 – 1990, , director contract, Beneficiar: PETROMAR Constanta.40000 lei Sumele 2-8 sunt valori estimative, total 195 000 lei. In banii actuali aprox 42 000 Euro 	<p>35</p> <p>?</p> <p>42</p>
S2 Membru în echipă partener la grant/proiect câștigat prin competiție națională sau internațională, proiecte/contracte terți.	Sumă echivalentă în mii euro
<ol style="list-style-type: none"> 1. “Rețea regională de Centre pentru formarea continuă și managementul calității”, REFORM, Proiect PHARE, 2003. 2. “Distant Simulation and Tutorial Systems on Board – New Approaches to Ensure Work Process Oriented Maritime Education and Training – SITUMET”, Proiect Leonardo, 2004 – 2006. 3. “Pregătirea competitivă a doctoranzilor în domenii prioritare ale societății bazate pe cunoaștere – Doctoranzi în sprijinul inovării și cunoașterii”, Programul Operațional Sectorial DEZVOLTAREA RESURSELOR UMANE (POS DRU), CCI 2007RO051PO001, 2008 – 2011. 4. "Excelență academică și valori anteprenoriale - sistem de burse pentru asigurarea oportunităților de formare și dezvoltare a competențelor anteprenoriale ale doctoranzilor și postdoctoranzilor" Acronim: ANTEPRENORDOC. 2018-2020 	<p>?</p> <p>?</p> <p>9</p> <p>12,5</p>
N5 Prezentarea/Diseminarea rezultatelor: prezență la manifestări științifice în	Punctaj

calitate de autor/co-autor de lucrări, profesor invitat	
1. DINU D. PASTUCH. C.	“Utilizarea calculatorului in elaborarea unor programe de decompresie pentru scufundarile adanci”, Brosura “Congresul national de fiziologie”, 10 – 12 septembrie 1975, pag. 37 in limba romana si pag. 158 in limba franceza.
2. DINU D.	“Developpement des techniques de penetration et du travail sousmarin en Roumanie; leur utilisation pour la recherche scientifique en Mer Noir”, Congresul XXX CIESM, 20-25 octombrie 1986, pag. 91.
3. DINU D.	“Methode pour obtenir des echantillons de benthos a grandes profondeurs”, Congresul XXXI CIESM, 17 – 22 octombrie 1988, Atena, Grecia, pag. 118.
4. DINU D., POPA D.	“VST 100-Un unorthodox view about the propulsion and the manoeuvring of ROV-s”, Conferinta Black Sea’90”, 17-21 septembrie 1990, Varna, Bulgaria, pag. 7-10.
5. DINU D. PANAITESCU M.	“Mentinerea constanta a vitezei in cazul unui concentrator de energie eoliana cu cilindri rotitori”, Sesiunea de comunicari stiintifice “Concepte, tehnologie si management in constructia de masini”, 22-23 mai 1992, Iasi, Sectia “Masini si actionari hidraulice”, pag.140-143.
6. DINU D., TEODOR M.	“Simulation and reality combined teaching methode for marine officers”, International Symposion on Education and Training for Seafarers, 1994, Dalian, China, 5 pag.
7. DINU D., VLAD C.	“The marine environment protection study using a new notion-ecobalance of the ship”, International Seminar on Maritime Safety and Enviromental Protection, Tuzla, Turcia, 1994, 5 pag.
8. DINU D.	“MMI-ITU Maritime Faculty–Technical Co-operation”, International Seminar on Maritime Safety and Enviromental Protection, Tuzla, Turcia, 1994, 2 pag.
9. DINU D.	“Remote Operated Vehicles means for discovery and search of shipwrecks”, Romanian – Turkish Seminar on “Search and Rescue Operation in the Black Sea”, 1-2 iunie 1995, pag. 143 – 147.
10. DINU D., BARSAN E.	“A Modern means for Preparing Seafarers on Marine & inland water Routes”, Simpozionul International “Marin Simulator Towards Safer Seas & Cleaner Oceans”, Alexandria, Egipt, 23 - 27 februarie 1996.
11. DINU D.	“Engineer and maritime officer – double

12. DINU D.	qualification or the necessity of better training required by the development of the maritime industry”, 9-th International Conference IMLA, september 1996, Kobe, Japonia. “Standard and peculiarity in Romanian MET”, The Second MMI-ITUMF Seminar, New Standards for Seafarers Education”, iunie 1998, Constantza, Romania.	
13. DINU D., SAG O.K.	“Merchant Marine Institute of Constantza ITU Maritime Faculty – an example of regional co-operation in MET”, 10-th International Conference IMLA, september 1998, St. Malo, France.	
14. DINU D., JURIAN M.	“Implementing Distance Learning in Romanian Maritime Education and Training”, 11-th International Conference IMLA 11, 21-25 august 2000, Malmö, Suedia.	
15. DINU D.	“The Academic Autonomie in Maritime Universities”, IMLA 12, 21-25 October 2002, Shanghai, China.	
16. DINU D.	“Maritime Universities within the National Academic Field”, International Maritime Universities Presidents Forum, 23-24 August 2003, Dalian, China.	
17. DINU D., STANCA C.	“MET Quality Standards within the Quality Education System of Romania, IMLA 13, 13-17 September 2004, St. Petersburg, Russia.	
18. DINU D., CHIOTOROIU L.	“New Approaches in Educational Process at Constanta Maritime University”, IMLA 13, 13-17 September 2004, St. Petersburg, Russia.	
19. DINU D. ş.a.	“A Through Comparative Study of the MET Undergraduate Systems of All 28 IAMU Member Universities/Faculties”, 5 th General Assembly and Conference IAMU, 8-11 November 2004, Tasmania, Australia.	
20. DINU D., MUNTEANU D.	“Legal Aspects Regarding the Transport of Liquefied Gases on Inland Waters”, Conference “Ukraine’s Transport Infrastructure Development in a Context of International Integration”, 5-6 October 2005, Odessa, Ukraine.	
21. CHIOTOROIU L., DINU D., SHUTTE M.	“Distant Simulation Learning Technology – On Board and Ashore”, The 7 th International Conference on Engine Room Simulators (ICERS 7), ISBN 961-6044-76-1, 14-16 November 2005, Portoroz, Slovenia.	
22. CHIOTOROIU L., DINU D., HANZU-PAZARA R., PANA I.	“Simulation Models in Maritime Distant	

	Learning - Tankers Topping Off”, The 5 th International Scientific Conference on Naval Technologies TEHNONAV, Constanta, 2006.	
23. DINU D.	„Considerations regarding the Flow through Circular Conduits in the case of Linear Time Variation of Pressure Gradient”, The 5 th International Scientific Conference on Naval Technologies TEHNONAV, Constanta, 2006.	
24. DINU D., CHIOTOROIU L., RAICU G.,	“Web Based IMO Tanker Courses – for the First Time in MET”, IMLA 16, 14 – 17 October 2008, Izmir, Turcia.	
25. DINU D., GROȘAN N.	“Kite Towed Ship's Maneuvering Simulation” ,European Energy Conference, 20-23 April 2010, Barcelona, Spania. Maneuvering Simulation of a Kite Towed Ship.	
26. DINU D.	„The Brake Water under Current Action. A Distortional Simulation Approach”, The 2 nd International Conference on Manufacturing Engineering, Quality and Production Systems (MEQAPS 10), Constanta, 3-5 sept. 2010. ISSN: 1792-4693; ISBN: 978-960-474-220-2, pag. 34-37.	
27. GROSAN N., DINU D.	“Considerations regarding Kite Towed Ship’s Manoeuvring”, The 3 rd International Conference on Maritime and Naval Science and Engineering (MN 10), Constanta, 3-5 sept. 2010. ISSN - 1792-4707, ISBN 978-960-474-222-6, pag.28-33.	
28. SCUPI A., DINU D.	„Experimental and Numeriacal Methods for Hydrodinamic Profiles Calculation”, TransNav 2011, Gdynia, Poland, 15-17 June 2011.	
29. GROSAN N., DINU D., SCUPI A.	„Mixed Propeller Ship – Influence of Sea Surface Wind and Wave about Kite Towed Ship’s Manoeuvering Capacity”, European Conference on Shipping & Ports ECONSHIP 2011, Chios, Grecia, 22-24 iunie 2011.	
30. SCUPI A., DINU D., GROSAN N.	„Kite Towed Ship. A Study of Non Conventional Propulsion”, European Conference on Shipping & Ports ECONSHIP 2011 Chios, Grecia, 22-24 iunie 2011.	
31. SCUPI, A., DINU, D.,	<i>The Use Of Kites For Ship Propulsion. A CFD Simulation Approach</i> , Conferința: Eficiență și Inovație prin Simulare Numerică ANSYS &	

	FLOWMASTER, Sinaia 6-7 Octombrie 2011.	
32. DINU D.	„Using Computer Fluid Dynamics (CFD) for Teaching Hydrodynamics in Maritime Faculties”, Recent Advances in Educational Methods, Proceedings of the 10 th International Conference on Engineering Education (EDUCATION 13), Cambridge, UK, February 20-22, 2013, ISSN: 2227-4618; ISBN: 978-1-61804-163-0.	
33. BUTUSINA P., DINU D.	“Training on Manned Ship Models, a Way to Improve the Marine Education”, Recent Advances in Educational Methods, Proceedings of the 10 th International Conference on Engineering Education (EDUCATION 13), Cambridge, UK, February 20-22, 2013, ISSN: 2227-4618; ISBN: 978-1-61804-163-0. pag. 34-39.	
34. SCUPI A., DINU D.	“Unsteady Flow Over a Bluff Body with Application in Unconventional Propulsion Systems”, The 6 th International Conference on Manufacturing Engineering, Quality and Production Systems (MEQAPS 13), Brasov, Romania, 1-3 June, 2013.	
35. DINU D.,	“Balance of Pressure and Compensating Tightness in Underwater Technologies”, The 4 th Conference of Mechanical Engineering (ECME 13), Paris, France, October 29-31, 2013. ISSN: 2227-4596; ISBN: 978-960-474-345-2.	
36. SCURTU I.C., DINU D.	“Semisubmersible Designs Compared According to RAO Criterion”, The 5 th European Conference of Mechanical Engineering (ECME 14), Florence, Italy, November 22-24, 2014. pag. 119-124. ISSN: 2227-4596; ISBN: 978-960-474-402-2.	
37. DINU D.	„Modern Methods for Study and Evaluation in Maritime Universities According to MET Requirements”, 7th International Conference on Education and Educational Technologies (EET '16), Istanbul, Turkey, 15-17 April, 2016.	
38. ANTON I.A., DINU D.,	Wave Simulation with Different Type of Coast Protection Structure – A Comparative Approach, <i>15th International Conference on Fluid Mechanics & Aerodynamics (FMA '17)</i> , Brasov, Romania, Iunie 2017. <i>International Journal of Environmental Science</i> , 2, 171-176	

39. DINU D., Studying Fluid Mechanics for Better Understand Simulation Technologies. A Special Approach for Maritime Universities, <i>15th International Conference on Fluid Mechanics & Aerodynamics (FMA '17)</i> , Brasov, Romania, Iunie 2017.	
40. STANCIU T., SCUPI A., DINU D., Solving the Problems of Gas Flow External Resistance through the Breathing Apparatus of Divers Using Computational Fluid Dynamics, Scientific Symposium <i>Protection of the Black Sea Ecosystem and the Sustainable Management of Maritime Activities</i> , PROMARE 2017, 7-9 September 2017, Constanta, Romania. ISBN 978-606-528-382-4.	
41. ANTON I. A., SCUPI A., DINU D., Nearshore Wave Processes Numerical Study for a Better Prediction of Hydrodynamic Loads on Coastal Structures, <i>Modern Technologies in Industrial Engineering, ModTech2018</i> , June 13-16, 2018, Constanta, ROMANIA.	
Total N5	41
C Citări în publicații BDI	Punctaj
Google scholar https://scholar.google.ro/citations	37

Realizări adiționale, neîncadrate în standardele de mai sus

I. Inovații

1. DINU D.
si colectiv “Instalatie pentru recompresie, decompresie si oxigenoterapie”, Certificat de inovator nr.406 din 14 noiembrie 1980, M.A.N.
2. DINU D. “Instalatie mobila de transfer si amestec de gaze”, Certificat de inovator nr. 216 din 27 iunie 1981.
3. POPA D., DINU D.,
COCIASU A. “Sonda de plasa”, Certificat de inovator nr. 202 din 17 august 1987, M.I.A. – A.P.A.
4. DINU D.
si colectiv “Agregat pentru transportul hidromecanizat al pestelui marunt”, Certificat de inovator nr. 258 – 2 din 23 ianuarie 1989, M.I.A. – A.P.A.

II. Membru în societăți științifice și profesionale, consilii etc.

Membru CIESM (Conseil International pour Exploitation Scientifique de la Mer Mediteranee)

Membru Membru al IMLA (International Maritime Lecturers Association), 1996-2004 membru al Comitetului de conducere.

Membru al Asociației Internaționale pentru Conservarea Resurselor Naturale și Energiei

Membru al Comitetului Național Român pentru Oceanografie.

Membru în Consiliul Școlii Doctorale Inginerie mecanică și mecatronică, Universitatea Politehnica București.

III. Membru în colectivele de redacție ale unor reviste

Membru în Comitetul de Redacție al Revistei „Recherches Marines”, Constanța.

Membru al Consiliului Editorial al Revistei „Sudohodstvo” (Navigația), Odessa.

Membru al Consiliului Editorial al Revistei ”Journal of Marine Technology and Environment”, Constanța.

Plenary speaker and Chairmen la mai multe conferințe internaționale.

IV. Premii

Best paper in MET, DINU D., CHIOTOROIU L., RAICU G., “Web Based IMO Tanker Courses – for the First Time in MET”, IMLA 16, 14 – 17 October 2008, Izmir, Turcia.

V. Citări în cărți

Degeratu M., Petru A., Georgescu Ș., Aparate de respirat sub apă, Ed. Matrix Rom, București 2003.

Citat Dinu D. Vlad C., Scafandri și vehicule subacvatice. Ed. Didactică și pedagogică, 1986.

Popa D., Vehicule subacvatice telecomandate, Ed. ARVIN, București.

Citat Petrea F., Dinu D. Etude en vue d’optimiser l’installation de propulsion par jet reactif aux appareils sou-marins, Revista Recherches Marines 19/1986.

Petru A., Degeratu M., Ioniță S., Ghidul scafandruului autonom, Ed. Olimp Press, Bucuraști, 1992.

Citat Dinu D. Vlad C., Scafandri și vehicule subacvatice. Ed. Didactică și pedagogică, 1986.

Degeratu M., Petru A., Ioniță S., Manualul scafandruului Ed. PER OMNES ARTES, București 1999.

Citat Dinu D. Vlad C., Scafandri și vehicule subacvatice. Ed. Didactică și pedagogică, 1986.

Degeratu M., Petru A., Ioniță S., Manualul scafandruului Ed. PER OMNES ARTES, București 1999.

Citat Vlad C., Dinu D. Intervenții subacvatice, Ed. Tehnică, 1984.

Stanciu T., Avram E., Chiripuci N., Culegere de exerciții și probleme pentru pregătirea scafandrilor, Vol. 1., Ed. CELEBRIS, Constanța 2018.
Citat Dinu D. Vlad C., Scafandri și vehicule subacvatice. Ed. Didactică și pedagogică, 1986.

VI. Lucrări publicate înainte de apariția sistemului BDI în reviste de prestigiu

PETREA F., DINU D. “Etude en vue d’optimiser l’installation de propulsion avec jet reactif aux appareils sous-marines”, Revista “Recherches marines”, 1986, pag. 263-268.

DINU D. “Consideration theoretiques sur la forme de l’ombilical et les mouvements d’un vehicule sous-marin telecommande sous l’influence des courants marins”, Revista “Recherches marines”, 1986, pag. 269-274.

VASILESCU AL.A., DINU D., “Le modele a deux echelles de l’aile avec petite envergure, situee dans un courant d’eau”, Revista “Recherches marines”, 1987, pag. 385-392.

DINU D. “Variation du niveau du liquide dans les enceintes ouvertes qui coulent a fond”, Revista “Recherches marines”, nr. 24-25, 1991-1992, pag. 253-256.

DINU D. “Sur la compensation de la pression dans la technique sous-marine”, Revista “Recherches marines”, nr. 24-25, 1991-1992, pag. 257-261.

DINU D. “Utilizarea propulsoarelor cu jet pentru manevrarea vehiculelor subacvatice”, Buletin tehnic al Registrului Naval Roman, nr.2, 1994, 5 pag.

DINU D. “Determinarea gradientului de presiune pentru o variatie liniara a debitului in conductele circulare” Revista “Frigotehnica”, nr.1, 1994, 6 pag.

DINU D. “Trecerea coeficientilor C_x si C_y de la model la natura in teoria similitudini la doua scari a aripilor hidrodinamice”, Buletin tehnic al Registrului Naval Roman, nr.3, 1994, 3 pag.

DINU D. “O varianta a etansarii compensatorii pentru vehiculelor subacvatice telecomandate de mare adancime”, Buletin tehnic al Registrului Naval Roman, nr.1, 1995, pag. 22-24.

Tabel sintetic cu punctajul obținut în ultimii 5 ani.

Condiții minimale pentru profesor reduse la 25%					
Domeniu de activitate		Indicatori	Descriere	Minim	Obținut
Activitatea didactică și profesională – DID (A1)	A1.1	N1	Manuale suport de curs	0,5	1
		N1.1	Manuale suport de curs prim autor	0,25	1
		N1.3	Manuale suport de curs în format electronic pe platforma universității	0,25	6
	A1.2	N2	Material didactic	1	1
		N2.1	Standuri laborator	0,25	1
Total DID				1,75	9
Activitatea de cercetare - CDI (A2)	A2.1+A2.3	P1+P2	Articole și publicații indexate ISI+brevete	2,5	2,05
		P1	Articole și publicații indexate ISI	1,5	2,05
	A2.2	N3	Articole și publicații BDI neincluse în P1.	2,5	4
		N3.1	Articole și publicații BDI neincluse în P1, ca prim autor	1,25	1
	A2.4+A2.5	N4	Produse/Tehnologii/Monografii/ cărți	0,5	2
		N4.3	Monografii/ cărți ca prim autor	0,25	1
Total CDI				5,5	8,05
Recunoașterea impactului activității – RIA (A3)	A3.1	S1+S2	Granturi/proiecte/contracte	12,5	12,5
	A3.2	N5	Congrese/conferințe	2,5	6
	A3.3	C	Citări	6,25	25
Total RIA				21,25	43,5
TOTAL				28,5	60,55

FIȘA DE VERIFICARE A INDEPLINIRII STANDARDELOR MINIME NATIONALE

Condiții minime pentru profesor / abilitare					
Domeniul de activitate		Indicatori	Descriere	Minim	Obținut
Activitate didactică, profesională, DID	A 1.1	N1	Manuale suport de curs	2	7
		N 1.1	Manuale suport de curs prim autor	1	4
		N 1.3	Manuale suport de curs in format electronic pe platforma universității	1	3
	A 1.2	N2	Material didactic	4	13
		N2.1	Standuri laborator	2	10
		N2.2	Indrumar laborator/Carte aplicații	1	3
Activitate de cercetare științifică, CDI	A 2.1 + A 2.3	P1+ P2	Articole și publicații ISI + Brevete	10	10.20
		P1	Articole și publicații ISI	6	10.20
	A 2.2	N3	Articole și publicații BDI neincluse la P1	10	10
		N3.1	Articole și publicații BDI neincluse la P1, ca prim autor	5	5
	A 2.4 + A 2.5	N4	Monografii / Cărți	2	6
		N4.3	Monografii / Cărți ca prim autor	1	6
Recunoaștere a impactului activității, RIA	A3.1	S1+S2	Granturi	50	75.788
	A3.2	N5	Prezentarea / Diseminarea rezultatelor	10	10
	A3.3	C	Citări	25	25.336

DID = N1+N2 = 6 (minim necesar)

Punctaj obținut = 20

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

Punctaj obținut = 26.20

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

Punctaj obținut = 111.124

A1 - Activitatea didactică și profesională - DID	
N 1.1 Manuale suport de curs ca prim autor	Punctaj
Buzbuchi Nicolae, Stan Liviu Constantin - <i>"Procese și caracteristici ale motoarelor navale"</i> , Colecția Mașini Navale, Editura Nautica, ISBN 978-973-7872-78-4, 200 pag., Constanța, 2008	1
Buzbuchi Nicolae, Stan Liviu Constantin - <i>"Construcția motoarelor navale și a sistemelor auxiliare ale acestora"</i> , Colecția Mașini Navale, Editura Nautica, ISBN 978-973-7872-79-1, 350 pag., Constanța, 2008	1
Buzbuchi Nicolae, Sabău Adrian - <i>"Procese, caracteristici și supraalimentarea motoarelor navale"</i> , Editura Nautica, ISBN 973-87008-2-5, 210 pag., Constanța, 2004	1
Buzbuchi Nicolae, Sabău Adrian - <i>"Construcția și calculul motoarelor navale și sistemelor auxiliare"</i> , Editura Nautica, ISBN 973-87008-3-3, 344 pag., Constanța, 2004	1
Total N1.1	4
N 1.3 Manuale suport de curs (format electronic disponibil pe platforma universității)	
Buzbuchi Nicolae - <i>"Procese și caracteristici ale motoarelor cu ardere internă"</i> , curs IFR format electronic, Universitatea Maritimă din Constanța, 287pag., 2010	1
Buzbuchi Nicolae - <i>"Construcția și calculul MAI și a sistemelor auxiliare"</i> , curs IFR format electronic, Universitatea Maritimă din Constanța, 412 pag., 2010	1
Buzbuchi Nicolae - <i>"Vibrații și noxe navale"</i> , curs IFR format electronic, Universitatea Maritimă din Constanța, 142 pag., 2010	1
Total N1.3	3
N 2.1 Standuri de laborator (cosntrucție / modernizări)	
<i>"Dispozitiv reglare debit aer primar caldarine navale 30÷40 t/h abur"</i> , contract 20.772.00, I.M.Navala, Constanța, 1989.	1
<i>"Rezervor cu vană imersă reglabilă pentru pompe hidraulice"</i> , contract A 821.00, I.M.Navala Constanța, 1987.	1
<i>"Mecanism măcinare reziduuri petroliere navale lichide"</i> , contract A 825.00, I.M.Navala, Constanța, 1987.	1
<i>"Dispozitiv de debitare și ardere a combustibilului"</i> , contract 20.775.00, I.M.Navala, Constanța, 1989.	1
<i>"Dispozitiv probare valvule automate respirație tancuri marfă și balast"</i> , contract A 872.00, I.M.Navala, Constanța, 1989.	1
<i>"Dispozitiv probare caldarine navale"</i> , contract A 834.00, I.M.Navala, Constanța, 1987	1
<i>"Dispozitiv probare incinerator naval"</i> , contract A 833.00, I.M.Navala, Constanța, 1988	1
<i>"Dispozitiv probare ejectori navali"</i> , contract A 831.00, I.M.Navala, Constanța, 1988	1
<i>"Calculul și desenul elicei petrolier 85000 tdw"</i> , contract 1355.044 MB, ICEPRONAV Galați, 1985	1
<i>"Instalație de incinerare navală 465 kW"</i> , contract IN 380.0.00M, I.M.Navala, Constanța, 1988.	1
Total N2.1	10
N 2.2 Indrumar laborator / carte aplicații format tipărit (autor, co-autor)	
<i>"Teste de evaluare. Motoare cu ardere internă. Instalații de forță cu abur și gaze"</i> , Editura Nautica, ISBN 978-606-8105-75-5, 233 pag. Constanța, 2012	1
<i>"Teste de evaluare. Motoare cu ardere internă, Ofițer Mecanic Maritim"</i> , Editura Nautica, ISBN 973-86813-8-3, 176 pag., Constanța, 2004	1
<i>"Îndrumar de proiectare în domeniul motoarelor diesel navale"</i> , Editura Nautica, ISBN978-606-681-028-9, 345 pag., Constanța, 2014	1
Total N 2.2	3

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
Buzbuchi Nicolae, Stan Liviu Constantin, Jugănar (Mitu) Elena Daniela - <i>"NUMERIC SIMULATION OF AIR</i>	3.068

<p>POLLUTION DUE TO NAVAL ENGINES" ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume: 8, Issue: 5, Pages: 1213-1219 Published: SEP-OCT 2009, Document Type:Article; Proceedings Paper $Fi = 1.334 \rightarrow P1.1 = 2 \cdot (0.2 + 1.334)$</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=F1ZAa7G2f5E8AKeo7V7&page=2&doc=11</p>	
<p>Buzbuchi Nicolae, Stan Liviu Constantin - "<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 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=F1ZAa7G2f5E8AKeo7V7&page=1&doc=8</p>	0.4
<p>Total P1.1 = 3.068+0.4 = 3.468</p>	3.468
<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>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 $Fi = 1.334 \rightarrow P1.3 = 0.2 + 1.334 = 1.534$</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>	1.534
<p>Ionescu Viorel, Buzbuchi Nicolae - "<i>PEMFC Two-Dimensional FEM Model To Study The Effects Of Gas Flow Channels Geometry On Reactant Species Transport</i> , SUSTAINABLE SOLUTIONS FOR ENERGY AND ENVIRONMENT, EENVIRO 2016, Book Series: Energy Procedia, Volume: 112, Pages: 390-397 DOI: 10.1016/j.egypro.2017.03.1085, Published: 2017, Document Type: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=1</p>	0.2
<p>Ionescu Viorel, Buzbuchi Nicolae - "<i>A Study of the Influence of Gas Channel Parameters on HT-PEM Fuel Cell Performance Using FEM Analysis</i>", 2016 3RD INTERNATIONAL CONFERENCE ON MECHANICS AND MECHATRONICS RESEARCH (ICMMR 2016), Book Series: MATEC Web of Conferences, Volume: 77, Article Number: UNSP 12001 DOI: 10.1051/matecon/20167712001, Published: 2016, Document Type: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=2</p>	0.2
<p>Zaharia Florin, Buzbuchi Nicolae, Ion Maria Magdalena - "<i>THE PROJECTION AND SIMULATION OF THE SHAFT LINE FUNCTIONING ON BOARD OF SHIPS</i>", 18TH INTERNATIONAL CONFERENCE - THE KNOWLEDGE-BASED ORGANIZATION: APPLIED TECHNICAL SCIENCES AND ADVANCED MILITARY TECHNOLOGIES, CONFERENCE PROCEEDING 3, Book Series: Knowledge Based Organization International Conference, Pages: 142-147, Published: 2012 Document Type: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=4</p>	0.2

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, 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	0.2
Stan Liviu Constantin, Buzbuchi Nicolae - " <i>Operation Factors Influence on the Dynamics Behavior of Marine Propulsion Systems</i> ", ADVANCED MANUFACTURING ENGINEERING, QUALITY AND PRODUCTION SYSTEMS , Book Series: Electrical and Computer Engineering Series, Pages: 29-33 Published: 2010, Document Type: Proceedings Paper, Conference: 2nd International Conference on Manufacturing Engineering, Quality and Production Systems, Location: Constantza Maritime Univ, Constantza, ROMANIA Date: SEP 03-05, 2010 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=F1ZAa7G2f5E8AKeo7V7&page=1&doc=6	0.2
Memet Feiza, Stan Liviu, Buzbuchi Nicolae - " <i>Exergy and environmental analysis of the one stage vapor compression marine refrigerating machine working with ammonia</i> ", ADVANCED MANUFACTURING ENGINEERING, QUALITY AND PRODUCTION SYSTEMS , Book Series: Electrical and Computer Engineering Series, Pages: 53-56, Published: 2010, Document Type: Proceedings Paper, Conference: 2nd International Conference on Manufacturing Engineering, Quality and Production Systems Location: Constantza Maritime Univ, Constantza, ROMANIA, Date: SEP 03-05, 2010 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=F1ZAa7G2f5E8AKeo7V7&page=1&doc=7	0.2
Stan Liviu, Memet Feiza, Buzbuchi Nicolae - " <i>Combustion simulation for naval diesel engine</i> ", ADVANCES IN MARITIME AND NAVAL SCIENCE AND ENGINEERING , Book Series: Mathematics and Computers in Science and Engineering, Pages: 57-60, Published: 2010, Document Type: Proceedings Paper Conference: 3rd International Conference on Maritime and Naval Science and Engineering, Location: Constantza Maritime Univ, Constantza, ROMANIA, Date: SEP 03-05, 2010 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=F1ZAa7G2f5E8AKeo7V7&page=1&doc=9	0.2
Stan Liviu Constantin, Călimănescu Ioan, Nicolae Buzbuchi - " <i>Testing of a Fuel Injector in a Supersonic Air Stream</i> ", ADVANCED TOPICS IN OPTOELECTRONICS, MICROELECTRONICS, AND NANOTECHNOLOGIES IV , Book Series: Proceedings of SPIE, Volume: 7297, Article Number: UNSP 72972S DOI: 10.1117/12.823712, Published: 2009, Document Type: Proceedings Paper, Conference: Conference on Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies IV, Location: Constanta, ROMANIA Date: AUG 28-31, 2008 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=F1ZAa7G2f5E8AKeo7V7&page=2&doc=12	0.2

<p>Stan Liviu, Calimanescu Ioan, Buzbuchi Nicolae - "<i>Measuring of a Fuel Injector in a Supersonic Air Stream</i>", ADVANCED TOPICS IN OPTOELECTRONICS, MICROELECTRONICS, AND NANOTECHNOLOGIES IV, Book Series: Proceedings of SPIE, Volume: 7297, Article Number: UNSP 72972R DOI: 10.1117/12.823711, Published: 2009 Document Type: Proceedings Paper, Conference: Conference on Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies IV, Location: Constanta, ROMANIA, Date: AUG 28-31, 2008</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=F1ZAa7G2f5E8AKeo7V7&page=2&doc=13</p>	0.2
<p>Memet Feiza, Stan Liviu, Buzbuchi Nicolae - "<i>TEACHING THERMODYNAMICS TO FUTURE PROFESSIONALS IN MARITIME AND SHIPPING INDUSTRY</i>", QUALITY MANAGEMENT IN HIGHER EDUCATION, PROCEEDINGS, Pages: 195-200, Published: 2008 Document Type: Proceedings Paper, Conference: 5th International Seminar on Quality Management in Higher Education Location: Tulcea, ROMANIA, Date: JUN 12-14, 2008</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=F1ZAa7G2f5E8AKeo7V7&page=2&doc=15</p>	0.2
<p>Stan Liviu, Bocanete Paul, Buzbuchi Nicolae - "<i>THE NEW MANAGEMENT ERRORS TEAM IN MARITIME SAFETY</i>", MANAGEMENT OF TECHNOLOGICAL CHANGES, VOL 2, Pages: 367-370, Published: 2009, Document Type: Proceedings Paper, Conference: 6th International Conference on the Management of Technological Changes Location: Alexandroupolis, GREECE, Date: SEP 03-05, 2009</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=F1ZAa7G2f5E8AKeo7V7&page=2&doc=14</p>	0.2
<p>Mărtinaș George, Cupșa Ovidiu, Buzbuchi Nicolae, Arsenie Andreea - "<i>Modeling with Finite Volume the Combustion in Direct Injection Natural Gas Engine Using Non-Premixed Combustion Model</i>", FIFTH INTERNATIONAL CONFERENCE ON THE INNOVATIVE COMPUTING TECHNOLOGY (INTECH 2015), Conference: International Conference on the Innovative Computing Technology (INTECH) Location: Galicia, SPAIN Date: MAY 20-22, 2015</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=3</p>	0.2
<p>Niculescu Dragoș, Vlăsceanu Elena, Ivan Angela, Buzbuchi Nicolae, Omer Ichinur - "<i>Coastal works post-construction effectiveness validation in Eforie Bay area</i>", Volume 17, Issue 31, 2017, Pages 129-136 17th International Multidisciplinary Scientific Geoconference, SGEM 2017; Albena; Bulgaria; 29 June 2017 through 5 July 2017; Code 130796</p> <p>https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85032363838&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=4&citeCnt=0&searchTerm=</p>	0.2
<p>Buzbuchi Nicolae - "<i>Torsional Vibration of Marine Diesel Engines Shafting Systems. Software Reference Manual</i>", National Technical University of Athens Publishing House, Greece, 1995</p> <p>https://scholar.google.com/scholar?cluster=14328009908574052214&hl=en&oi=scholar</p>	0.4

<p>Stan Liviu, Buzbuchi Nicolae, - <i>"Operation Factors Influence on the Dynamics Behavior of Marine Propulsion Systems"</i>, Proceedings of the Advanced Manufacturing Engineering, Quality and Production Systems, 2nd International Conference on Manufacturing Engineering, Quality and Production Systems (MEQAPS' 10)</p> <p>https://www.anmb.ro/buletinstiintific/buletine/2011_Issue2/120-123.pdf</p>	0.2
<p>Stan Liviu, Buzbuchi Nicolae - <i>"Considerations on Maritime Watch Keeping Officers' Vocational Training"</i>, Human Resources and Crew Resource Management: Marine Navigation and Safety of Sea Transportation, Data publicării 2016/8/12</p> <p>https://books.google.ro/books?hl=en&lr=&id=IQoNDgAAQBAJ&oi=fnd&pg=PA103&dq=info:KnHU0SAKxQ4J:scholar.google.com&ots=qDEIFQO9lh&sig=G29Az67d65pDqrKg_K3mWUDXAOM&redir_esc=y#v=onepage&q&f=false</p>	0.2
<p>Munteanu Alexandru, Buzbuchi Nicolae, Stan Liviu, - <i>"ROTARY INTERNAL COMBUSTION ENGINES"</i>, Analele Universitatii Maritime Constanta, Vol. 15, Nr. 21, Data publicării 1/1/2014</p> <p>https://web.a.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=15823601&AN=97751287&h=cOkzE75RP51AY2ZcVeEyF9Ioymja5GMOA8KUJe8jCEkGNEq0OsP84NkZH9Sq6xhZ4sbWjrOuJwISL_oWXXx8ZKg%3d%3d&cr=c&resultNs=AdminWebAuth&resultLocal=ErrCrINotAuth&crIhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d15823601%26AN%3d97751287</p>	0.2
<p>Stan Liviu, Sabău Adrian, Buzbuchi Nicolae, - <i>"BALLAST WATER TREATING BY ADVANCED OXIDATION TECHNOLOGY"</i>, Annals of the University Dunarea de Jos of Galati: Fascicle II, Mathematics, Physics, Theoretical Mechanics, Vol. 36, Nr. 2</p> <p>https://web.b.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=20672071&AN=96847880&h=1cmcl%2faIpne7RUkz4CJh8Qg94x09Dr81%2fp5%2fHjcb0SLYQevv%2fCx4by27rzZ1OUG5EdNvbeL%2bt0BLvusSpC%2brw%3d%3d&cr=c&resultNs=AdminWebAuth&resultLocal=ErrCrINotAuth&crIhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d20672071%26AN%3d96847880</p>	0.2
<p>Stan Liviu, Buzbuchi Nicolae - <i>"The Dynamics of the Marine Propulsion Systems"</i>, Journal of Marine Technology and Environment, vol. 2, nr. 2</p> <p>https://trid.trb.org/view/912731</p>	0.2
<p>Ioan Călimănescu, Buzbuchi Nicolae, Adrian Dima - <i>"Explicit Dynamic Simulation of a Space Debris Projectile Impact over a Satellite Structure"</i>, 2009</p> <p>https://www.researchgate.net/profile/Ioan_Calimanescu2/publication/290259941_Explicit_Dynamic_Simulation_of_a_Space_Debris_Projectile_Impact_over_a_Satellite_Structure/links/5695cc4208ae3ad8e33d930a/Explicit-Dynamic-Simulation-of-a-Space-Debris-Projectile-Impact-over-a-Satellite-Structure.pdf</p>	0.2
<p>Faităr Cătălin, Nedelcu Andra, Buzbuchi Nicolae - <i>"CONSIDERATION OF HEAT RECOVERY FOR A DIESEL TWO-STROKE ENGINE"</i>, Mechanical Testing and Diagnosis ISSN 2247 – 9635, 2018 (VIII), Volume 1, pp. 18-21</p> <p>http://www.om.ugal.ro/mtd/download/2018-1/3_MTD_Volume%201_2018_Faitar%20pe%20format%20xx.pdf</p>	0.2
<p>Nedelcu Andra, Faităr Cătălin, Buzbuchi Nicolae - <i>"THE ANALYSIS OF IMMERSION MOVEMENT OF REMOTELY OPERATED VEHICLE"</i>, Mechanical Testing & Diagnosis . 2017, Vol. 7 Issue 4, p5-8. 4p</p> <p>https://web.b.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=22479635&AN=130757702&h=o5rvoSdB7%2fxOKKdO821C5ODwN99433DBh5625g1az4qRjgqinmGK9GVbSecNyGKh3spOj1rTj6%2b5qzKSb6ddMA%3d%3d&cr=c&resultNs=AdminWebAuth&resultLocal=ErrCrINotAuth&crIhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d22479635%26AN%3d130757702</p>	0.2

Radu Iulian, Buzbuchi Nicolae - " <i>NUMERIC SIMULATION FOR A J-LAY SUBSEA PIPELINE LAUNCHING SYSTEM</i> ", Analele Universitatii Maritime Constanta . 2015, Vol. 16 Issue 24, p103-106. 4p https://web.a.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=15823601&AN=121297299&h=KRC8tVhbcq%2fncSEZyMMKkvqg9M4oFq0WU%2bhihAojtTOLo2sIHjYjvQyS8xVufY3JbrQG9GFA9ojisBjias8qkQ%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d15823601%26AN%3d121297299	0.2
Mărtinaș George, Buzbuchi Nicolae, Arsenie Andreea, Lambă Marinela - " <i>The Influence of a Wake Equalizing Duct Over the Fluid Flow Around the After Body of a Port Container and Propeller Efficiency</i> ", Universitatii Maritime Constanta. Analele; Constanta Vol. 15, Iss. 21, (2014): 55-60 https://search.proquest.com/openview/d61aaf562fe998d01cac692d5ceacddf/1?pq-origsite=gscholar&cbl=60411	0.2
Sabău Adrian, Buzbuchi Nicolae, Stan Liviu - " <i>EVALUATION OF SOOT EMISSIONS</i> ", Annals of the University Dunarea de Jos of Galati: Fascicle II, Mathematics, Physics, Theoretical Mechanics . 2013, Vol. 36 Issue 2, p292-299. 8p https://web.a.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=20672071&AN=96847881&h=4Y%2fLnMv6DXIymYqOoJjwu%2bvE3iTXNk9NBnNNO78dpE8GuMOJjRKas%2bJXLgrzbA%2bcQ6HIUVrxhOyPIZn51SQZg%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d20672071%26AN%3d96847881	0.2
Total P1.3 = 1.534+0.2*20+0.4*5=7.534	7.534
N3.1 Articole și publicații BDI, neincluse la P1, ca prim autor	
Buzbuchi Nicolae, Stan Liviu - " <i>Theoretical and experimental study of the propeller harmonic torque and thrust structure</i> ", 26th Danubia-Adria Symposium on Advances in Experimental Mechanics2009, Pages 21-2226th Danubia-Adria Symposium on Advances in Experimental Mechanics; Montanuniversitat LeobenLeoben; Austria; 23 September 2009 through 26 September 2009; Code 114633 https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84908330617&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=13&citeCnt=0&searchTerm=	1
Buzbuchi Nicolae, Stan Liviu - " <i>MODEL-BASED TORSIONAL VIBRATION OF MARINE INTERNAL COMBUSTION ENGINES Part I</i> ", Journal of Marine Technology & Environment . 2013, Vol. 1, p27-34. 8p https://web.b.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=18446116&AN=90602015&h=IoPT6Pq4kRCTGIjde26EHSm8O8rNVf7tN%2fTI9s6BPIk7Uv%2fTmP5yLZXufbfStukYc8z04Qic67gCXrFGz1C5pg%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d18446116%26AN%3d90602015	1
Buzbuchi Nicolae, Stan Liviu, Sabău Adrian - " <i>SIMULATION OF AIR POLLUTION DUE TO MARINE ENGINES</i> ", Annals of the University Dunarea de Jos of Galati: Fascicle II, Mathematics, Physics, Theoretical Mechanics, vol. 36, nr. 2 https://web.b.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=20672071&AN=96847879&h=rz8%2fDAU11RmmgkXOckAJbMhMWByUtg465SAQRXZdmEgcaZaQBGO2O9pLhTyON3dam%2fvTNz7qvCFc%2blepW9MrCQ%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d20672071%26AN%3d96847879	1

<p>Buzbuchi Nicolae, Stan Liviu - <i>"NOISE MARINE DIESEL ENGINES AND THE ENVIRONMENT-PART I"</i>, Analele Universitatii Maritime Constanta, vol 11. nr. 13</p> <p>https://web.b.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=15823601&AN=59156479&h=NnAFLX6yRkurREPJbsjWmDFgyv15NyA54KZF4yvl9dxBlyIPIIgz6YPcrr%2fDBil3Oy%2bh7BskH%2fElxHpVXPtG%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d15823601%26AN%3d59156479</p>	1
<p>Buzbuchi Nicolae, Stan Liviu - <i>"AXIAL THRUST BEARING INFLUENCE ON THE DYNAMIC BEHAVIOUR OF AN ELASTIC SHAFT"</i>, Analele Universitatii Maritime Constant, vol. 11, nr. 14</p> <p>https://web.b.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=15823601&AN=59564712&h=1s%2fqZshs7Geyq7vshZePtF1GKdXngWLe%2f%2b%2fOIP38ul9y%2bYJQmeU4fuNg2wjzkDifWh2yWFbbS124740FDEkKyQ%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d15823601%26AN%3d59564712</p>	1
N3.2 Articole și publicații BDI, neincluse la P1, ca și co-autor	
<p>Nedelcu Andra Teodora, Buzbuchi Nicolae, Faităr 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>Taraza Dinu, Buzbuchi Nicolae - <i>"Optimum phasing of engine and propeller in marine propulsion systems with direct-coupled two-stroke engines"</i>, International Off-Highway and Powerplant Congress and Exposition; Milwaukee, WI; United States; 12 September 1994 through 14 September 1994; Code 90511</p> <p>https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85041877680&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=14&citeCnt=0&searchTerm=</p>	1
<p>Taraza Dinu, Buzbuchi Nicolae, Popovici Jean Sever - <i>"Calculation of the harmonic structure of marine propellers torque and thrust"</i>, International Off-Highway and Powerplant Congress and Exposition; Milwaukee, WI; United States; 12 September 1994 through 14 September 1994; Code 90511</p> <p>https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85041874256&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=15&citeCnt=0&searchTerm=</p>	1
<p>Ivan Angela, Vlăsceanu Elena, Buzbuchi Nicolae - <i>"Remote sensing imagery applications for the wave's field transformations in the adjacent areas of the Romanian maritime ports"</i>, Volume 17, Issue 23, 2017, Pages 219-22617th International Multidisciplinary Scientific GeoConference, SGEM 2017; Albena; Bulgaria; 29 June 2017 through 5 July 2017; Code 130790</p> <p>https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85032572916&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=3&citeCnt=0&searchTerm=</p>	1

Total N3 = N3.1+N3.2 = 10	10
N4.3 Monografii / Cărți de specialitate format tipărit/electronic(minim 100 pagini) ca prim autor	
BUZBUCHI, N., MANEA, L., DRAGALINA, AL., MOROIANU, C., DINESCU, C. “Motoare navale. Vol. 1: Procese și caracteristici”, ISBN 973-30-5750-9, Editura Didactică și Pedagogică, București, 335 pag., 1997	1
BUZBUCHI, N. ȘOLOIU, V.A., DINESCU, C., LYRIDIS D.V. “Motoare navale. Vol. 2: Supraalimentare*<i>Dinamică</i>”, ISBN 973-30-5491-7, Editura Didactică și Pedagogică, București, 334 pag., 1998	1
BUZBUCHI, N. ȘOLOIU, V.A., SABĂU, A. “Motoare navale. Vol. 3: Concepte moderne de calcul și construcție”, ISBN 973-8143-52-7, Editura Bren, București, 245 pag., 2001	1
BUZBUCHI, N., SABĂU, A. “Teste de evaluare. Motoare cu ardere internă, Ofițer Mecanic Maritim”, Editura Nautica, ISBN 973-86813-8-3, 176 pag., Constanța, 2004	1
BUZBUCHI, N., DINESCU, C. “Complemente de dinamica motoarelor navale”, Editura Alas, Călărași, 277 pag., 1995.	1
BUZBUCHI, N., DINESCU, C. “Vibrațiile motoarelor navale”, Tipografia Institutului de Marină Civilă Constanța, 181 pag., 1993	1
Total N4.3 = 6	6
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
Denumire: "Exelență academică și valori anteprenoriale - sistem de burse pentru asigurarea oportunităților de formare și dezvoltare a competențelor anteprenoriale ale doctoranzilor și postdoctoranzilor" Acronim: ANTEPRENORDOC Anul începerii:2018 Anul finalizării:2020 Funcția deținută în proiect: Responsabil implementare proiect în Universitatea Maritimă din Constanța Bugetul total al proiectului: 2.978.200 Ron Buget repartizat UMC: 250.400 Ron Calcul indicator: 250.400Ron = 53.648 Euro S1 = 53.648	53.648
"Diagnosticarea prin vibrații a stării tehnice a motoarelor și echipamentelor navale. Analiza fiabilității acestora", contract MEN 1098 B/93, Institutul de Marină Civilă Constanța, ICEPRONAV Galați, 1993÷1995. 100 000 000 LEI = 10000 \$ S1 = 10	10
“Modelarea numerică a fenomenelor termogazodinamice, mecanice, a funcționării motoarelor cu ardere internă navale și a sistemelor auxiliare ale acestora”, grant de cercetare CNCSIS A/419, etapa I: “Modelarea fenomenelor termogazodinamice din motoarele cu ardere internă navale”, Institutul de Marină Civilă Constanța, 1999 Etapa 1 1998-1999 40 000 000 LEI, curs 5.01.21998: 40000000/8236= 4856 \$ S1 = 4.856	4.856
“Modelarea numerică a fenomenelor termogazodinamice, mecanice, a funcționării motoarelor cu ardere internă navale și a sistemelor auxiliare ale acestora”, grant de cercetare CNCSIS A/61, etapa II: “Modelarea și simularea comportamentului dinamic al sistemelor de propulsie navală. Validări experimentale”, Universitatea Maritimă din Constanța, 2000. Etapa 2 1999-2000 40 000 000 LEI= 4856 \$ S1 = 4.856	4.856
“Modelarea numerică a fenomenelor termogazodinamice, mecanice, a funcționării motoarelor cu ardere internă navale și a sistemelor auxiliare ale acestora”, grant de cercetare CNCSIS A/1, etapa III: “Modelarea și simularea componentelor motoarelor navale și a sistemelor auxiliare ale acestora”, Universitatea Maritimă din Constanța, 2001. Etapa 3 2000-2001 20 000 000 LEI= 2428 \$ S1 = 2.428	2.428
Total S1 + S2 = 75. 788	75.788

N5 Prezentarea/ Diseminarea rezultatelor: prezența la manifestări științifice, in calitate de autor/co-autor de lucrări, profesor invitat	Punctaj
<p>Taraza Dinu, Buzbuchi Nicolae - <i>"Optimum phasing of engine and propeller in marine propulsion systems with direct-coupled two-stroke engines"</i>, International Off-Highway and Powerplant Congress and Exposition; Milwaukee, WI; United States; 12 September 1994 through 14 September 1994; Code 90511</p> <p>https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85041877680&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=14&citeCnt=0&searchTerm=</p>	1
<p>Taraza Dinu, Buzbuchi Nicolae, Popovici Jean Sever - <i>"Calculation of the harmonic structure of marine propellers torque and thrust"</i>, International Off-Highway and Powerplant Congress and Exposition; Milwaukee, WI; United States; 12 September 1994 through 14 September 1994; Code 90511</p> <p>https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85041874256&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=15&citeCnt=0&searchTerm=</p>	1
<p>Buzbuchi Nicolae, Stan Liviu Constantin, Jugănar (Mitu) Elena Daniela - <i>"NUMERIC SIMULATION OF AIR POLLUTION DUE TO NAVAL ENGINES"</i> ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume: 8, Issue: 5, Pages: 1213-1219 Published: SEP-OCT 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=2&doc=11</p>	1
<p>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>	1
<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, 2011</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=5</p>	1
<p>Niculescu Dragoș, Vlăsceanu Elena, Ivan Angela, Buzbuchi Nicolae, Omer Ichinur - <i>"Coastal works post-construction effectiveness validation in Eforie Bay area"</i>, Volume 17, Issue 31, 2017, Pages 129-13617th International Multidisciplinary Scientific Geoconference, SGEM 2017; Albena; Bulgaria; 29 June 2017 through 5 July 2017; Code 130796</p> <p>https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85032363838&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=4&citeCnt=0&searchTerm=</p>	1

<p>Mărtinaş George, Cupşa Ovidiu, Buzbuchi Nicolae, Arsenie Andreea - "<i>Modeling with Finite Volume the Combustion in Direct Injection Natural Gas Engine Using Non-Premixed Combustion Model</i>", FIFTH INTERNATIONAL CONFERENCE ON THE INNOVATIVE COMPUTING TECHNOLOGY (INTECH 2015), Conference: International Conference on the Innovative Computing Technology (INTECH) Location: Galicia, SPAIN Date: MAY 20-22, 2015</p> <p>https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84946568570&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=7&citeCnt=1&searchTerm=</p>	1
<p>Stan Liviu, Bocanete Paul, Buzbuchi Nicolae - "<i>THE NEW MANAGEMENT ERRORS TEAM IN MARITIME SAFETY</i>", MANAGEMENT OF TECHNOLOGICAL CHANGES, VOL 2, Pages: 367-370, Published: 2009, Document Type: Proceedings Paper, Conference: 6th International Conference on the Management of Technological Changes Location: Alexandroupolis, GREECE, Date: SEP 03-05, 2009</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=F1ZAa7G2f5E8AKeo7V7&page=2&doc=14</p>	1
<p>Buzbuchi Nicolae, Stan Liviu - "<i>Theoretical and experimental study of the propeller harmonic torque and thrust structure</i>", 26th Danubia-Adria Symposium on Advances in Experimental Mechanics2009, Pages 21-2226th Danubia-Adria Symposium on Advances in Experimental Mechanics; Montanuniversitat LeobenLeoben; Austria; 23 September 2009 through 26 September 2009; Code 114633</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&st1=Buzbuchi+N&st2=&sid=044aba318620d83e4a2490581055d6dd&sot=b&sdt=b&sl=23&s=AUTHOR-NAME%28Buzbuchi+N%29&relpos=13&citeCnt=0&searchTerm=</p>	1
<p>Stan Liviu Constantin, Călimănescu Ioan, Nicolae Buzbuchi - "<i>Testing of a Fuel Injector in a Supersonic Air Stream</i>", ADVANCED TOPICS IN OPTOELECTRONICS, MICROELECTRONICS, AND NANOTECHNOLOGIES IV, Book Series: Proceedings of SPIE, Volume: 7297, Article Number: UNSP 72972S DOI: 10.1117/12.823712, Published: 2009, Document Type: Proceedings Paper, Conference: Conference on Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies IV, Location: Constanta, ROMANIA Date: AUG 28-31, 2008</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=F1ZAa7G2f5E8AKeo7V7&page=2&doc=12</p>	1
Total N5 = 10	10
C Citări in publicații BDI	Punctaj
<p>Lucrare citată: "Modeling with Finite Volume the Combustion in Direct Injection Natural Gas Engine Using Non-Premixed Combustion Model"</p> <p>Citată in lucrarea: "Modelling of a combustible ionised gas in thermal power plants using MHD conversion system in South Africa", JOURNAL OF KING SAUD UNIVERSITY SCIENCE, Volume: 30, Issue: 3 Pages: 367-374, DOI: 10.1016/j.jksus.2017.01.007, Published: JUL 2018</p> <p>http://apps.webofknowledge.com.am.e-nformation.ro/CitingArticles.do?product=WOS&SID=F1ZAa7G2f5E8AKeo7V7&search_mode=CitingArticles&parentProduct=WOS&parentQid=1&parentDoc=3&REFID=493314421&excludeEventConfig=ExcludeIfFromNonInterProduct</p>	1
<p>Lucrare citată: "Costs Evaluation for Ballast Water Treatment Applying the Advanced Oxidation Technology"</p> <p>Citată in lucrarea: "Comparison of Phenol Photodegradation by uv/h2o2 and Photo-fenton Processes", ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume: 9, Issue: 6, Pages: 807-812, DOI: 10.30638/eeemj.2010.107 Published: JUN 2010</p>	4.668

<p>Fi = 1.334</p> <p>http://apps.webofknowledge.com.am.e-information.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=59&SID=F1ZAa7G2f5E8AKeo7V7&page=1&doc=1</p> <p>Citată in lucrarea: "The Study of the o-3/uv Advanced Oxidation Processes for a Swimming Pool Water Treatment", ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume: 9, Issue: 5, Pages: 637-642, DOI: 10.30638/eemj.2010.087 Published: MAY 2010 Fi = 1.334</p> <p>http://apps.webofknowledge.com.am.e-information.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=63&SID=F1ZAa7G2f5E8AKeo7V7&page=1&doc=2</p>	
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Total C = 25.336	25.336

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(cu excepția celor marcate)

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VI.REFERATE DE DOCTORAT

1.BUZBUCHI, N., conducător științific prof. dr. ing. Dinu Taraza: | "Cuplarea vibrațiilor torsionale, axiale și de încovoiere ale liniilor de arbori ale motoarelor navale", Universitatea "Politehnica" București, 1993.

2.BUZBUCHI, N., conducător științific prof. dr. ing. Dinu Taraza: | "Echipamente și tehnici de măsurare a vibrațiilor", Universitatea "Politehnica" București, 1993.

VII.TEZA DE DOCTORAT

1.BUZBUCHI, N., conducător științific prof. dr. ing. Dinu Taraza: | "Contribuții la studiul vibrațiilor complexe ale motoarelor navale", Universitatea "Politehnica" București, 1994.

VIII. CONTRACTE DE CERCETARE ȘTIINȚIFICĂ UNIVERSITARĂ

1.BUZBUCHI, N., ș.a.: | POCU: *Excelență academică și valori antreprenoriale* - sistem de burse pentru asigurarea oportunităților de formare și dezvoltare a competențelor antreprenoriale ale doctoranzilor și postdoctoranzilor, MySMIS *123847, Acronim – ANTREPRENORDOC, 2018-2020.

2.BUZBUCHI, N., ș.a.: | *Acțiunea COST CA1705: A pan-European Network for Marine Renewable Energy with a focus on ocean waves: from research in technology development and environmental impact to economics and deployment*, WECANet, 2017-2020.

3.BUZBUCHI, N.: | "Modelarea numerică a fenomenelor termogazodinamice, mecanice, a funcționării motoarelor cu ardere internă navale și a sistemelor auxiliare ale acestora", grant de cercetare CNCIS A/419, etapa I: "Modelarea fenomenelor termogazodinamice din motoarele cu ardere internă navale", Institutul de Marină Civilă Constanța, 1999.

7.BUZBUCHI, N.: | "Modelarea numerică a fenomenelor termogazodinamice, mecanice, a funcționării motoarelor cu ardere internă navale și a sistemelor auxiliare ale acestora", grant de cercetare CNCIS A/61, etapa II: "Modelarea și simularea comportamentului dinamic al sistemelor de propulsie navală. Validări experimentale", Universitatea Maritimă din Constanța, 2000.

5.BUZBUCHI, N.: | "Modelarea numerică a fenomenelor termogazodinamice, mecanice, a funcționării motoarelor cu ardere internă navale și a sistemelor auxiliare ale acestora", grant de cercetare CNCIS A/1, etapa III: "Modelarea și simularea componentelor motoarelor navale și a sistemelor auxiliare ale acestora", Universitatea Maritimă din Constanța, 2001.

6.BUZBUCHI, N.: | "Diagnosticarea prin vibrații a stărilor tehnice a motoarelor și echipamentelor navale. Analiza fiabilității acestora", contract MEN 1098 B/93, Institutul de Marină Civilă Constanța, ICEPRONAV Galați, 1993÷1995.

7.BALAFOUTAS, G., BUZBUCHI, N.: | "Resources Management and Local Development Network", Programmes at Advanced Level-SOCRATES Preliminary Programme, Aristotle University of Thessaloniki-Merchant Marine Institute of Constanța, 1998-2001.

8.BUZBUCHI, N.: | "Reducerea consumului de combustibil și poluării produse de motoarele cu ardere internă", programul european de cooperare științifică și tehnologică COST 346, ANSTI, 2001.

9.ZAHARIA, I., CARP, D., BUZBUCHI, N.: | "Extensie curriculară prin adăugarea domeniului <Navigație maritimă portuară la domeniul "Navigație fluvială", contract de grant nr. 45241 cod CNFIS 229, runda a IV-a, 2001.

IX. SPECIALIZĂRI ÎN STRĂINĂTATE

1, 2. BUZBUCHI, N.:

- *"Dynamics of Diesel Engine Propulsion Plant"*, National Technical University of Athens, Department of Naval Architecture and Marine Engineering, Grecia, an universitar 1994-1995;
- invitație de lucru ca cercetător la Departamentul de Inginerie Mecanică, Laboratorul de Motoare cu ardere internă și Termodinamică aplicată al Universității "Aristotel" din Salonic; finanțare acordată de Ministerul Învățământului din Grecia, pentru anii universitari 1995-1996 și 1996-1997.

X. APARTENENȚĂ LA SOCIETĂȚI ȘTIINȚIFICE

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. 2. 3. 4. 5. 6. | <p><i>Society of Automotive Engineers</i>, Detroit, membru, 2001.</p> <p><i>Society of Naval Architects and Marine Engineering SNAME</i>, New Jersey, membru, 1994.</p> <p><i>International Maritime Lecturers' Association IMLA</i>, Malmö-Suedia, membru, 1994.</p> <p><i>Asociația Inginerilor din România AGIR</i>, Filiala Constanța, membru, 1990.</p> <p><i>Societatea Română a Termotehnicienilor</i>, Filiala Constanța, membru, 1992.</p> <p><i>Societatea Română de Tribologie</i>, Filiala Constanța, 1990.</p> |
|--|---|

XI. MENȚIUNI ȘI PREMII INTERNAȚIONALE

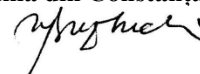
- | | |
|--|---|
| <ol style="list-style-type: none"> 1. 2. 3. 4. 5. 6. 7. | <p><i>Award for Outstanding Paper Presented at the International Scientific Conference II Motor Tasit Teknigi</i>, 14÷15 Oct. 1993, from:</p> <ul style="list-style-type: none"> • D.E. University, Mechanical Engineering Faculty, Izmir-Turcia; • German Institut Goethe; • MMOB Mechanical Engineering Chamber, Isparta-Turcia. <p><i>Diploma of Recognition, the International Off-Highway & Powerplant Congress and Exposition, Noise and Vibration in Marine Application</i>, Milwaukee, Wisconsin-U.S.A., 12÷15 Sept. 1994.</p> <p><i>Nomination as first chairperson at the 5th International Symposium on Marine Engineering ISME'95, Noise & Vibration Division</i>, Yokohama, 22÷26 July, 1995.</p> <p><i>Nomination as member of SNAME Hydrodynamics and Ship's Machinery Technical & Research Committee</i>, Society of naval Architects and Marine Engineering, New-Jersey, 1997.</p> <p><i>Nomination as member of the Advisory Committee at the 6th International Symposium on Marine Engineering ISME 2000</i>, Tokyo, 23÷27 October, 2000.</p> <p><i>Nomination as first chairperson at the 6th International Symposium on Marine Engineering ISME 2000, Noise & Vibration Division</i>, Tokyo, 23÷27 October, 2000.</p> <p><i>Certificate of Competency for Examiners Issuing STCW</i>, Twining Project RO99/IB/TR-01 Swedish-Spanish Consortium on Maritime Safety, 2001.</p> |
|--|---|

Tabel sintetic cu punctajul obținut în ultimii 5 ani

Condiții minime pentru profesor reduse la 25%					
Domeniu de activitate		Indicatori	Descriere	Minim	Obținut
Activitatea didactică și profesională – DID (A1)	A1.1	N1	Manuale suport de curs	0,5	0
		N1.1	Manuale suport de curs prim autor	0,25	0
		N1.3	Manuale suport de curs în format electronic pe platforma universității	0,25	0
	A1.2	N2	Material didactic	1	1
		N2.1	Standuri laborator	0,25	
Total DID				1,5	1,0
Activitatea de	A2.1+A2.	P1+P2	Articole și publicații indexate	2,5	2,2

cercetare - CDI (A2)	3		ISI+brevete		
		P1	Articole și publicații indexate ISI	1,5	2,2
	A2.2	N3	Articole și publicații BDI neincluse în P1.	2,5	3
		N3.1	Articole și publicații BDI neincluse în P1, ca prim autor	1,25	3
	A2.4+A2. 5	N4	Produse/Tehnologii/Monogra fii/ cărți	0,5	0
		N4.3	Monografii/ cărți ca prim autor	0,25	0
Total CDI				5,5	5,2
Recunoaștere a impactului activității – RIA (A3)	A3.1	S1+S2	Granturi/proiecte/contracte	12,5	53,648
	A3.2	N5	Congrese/conferințe	2,5	2
	A3.3	C	Citări	6,25	6
Total RIA				21,25	61,648
TOTAL				28,25	67,848

Prof. univ. dr. ing. Nicolae BUZBUCHI
Dept. de Științe Inginerești în domeniul Mecanic Și Mediu
Universitatea Maritimă din Constanța



IOSUD Universitatea Maritimă din Constanța
 Conf. Dr. Habil. Ing. Emil M OANȚĂ
 Titlul tezei de abilitare: Hybrid modeling in mechanical engineering
 Domeniul: Inginerie Mecanică

FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE NAȚIONALE ÎN ULTIMII 5 ANI (ÎNCEPÂND CU 2015)

Notă: Dovezile fiecărei poziții sunt fie prezentate printr-un link extern, fie anexate prezentului document.

Condiții minime pentru profesor/abilitare						
Domeniul de activitate		Indicatori	Descriere	Minim	Obținut	2015-2019
Activitatea didactică profesională, DID	A1.1	N1	Manuale suport de curs	2	4	2; 100%
		N1.1	Manuale suport de curs prim autor	1	4	2; 200%
		N1.3	Manuale suport de curs în format electronic pe platforma universității	1	2	2; 200%
	A1.2	N2	Material didactic	4	12	2; 50%
		N2.1	Standuri laborator	2	5	2; 100%
Activitatea de cercetare științifică, CDI	A2.1 + A2.3	P1+P2	Articole și publicații indexate ISI + Brevete	10	13.618	5.32; 53,2%
		P1	Articole și publicații indexate ISI	6	13.618	5.32; 88,66%
	A2.2	N3	Articole și publicații BDI neincluse la P1	10	31	9; 90%
		N3.1	Articole publicații BDI neincluse la P1, ca prim autor	5	19	5, 100%
	A2.4 + A2.5	N4	Monografii / cărți	2	3	1, 50%
		N4.3	Monografii / cărți ca prim autor	1	3	1, 100%
Recunoaștere a impactului activității, RIA	A3.1	S1 + S2	Granturi	50	508.799	0, 0%
	A3.2	N5	Prezentarea / diseminarea rezultatelor	10	17	7, 70%
	A3.3	C	Citări	25	55.206	30.34; 121,36%

$$P1 = P1.1 + P1.2 + P1.3 + P1.4 = 9.798 + 2.62 + 1.2 + 0 = 13.618$$

$$P1 = P1.1 + P1.2 + P1.3 + P1.4 = 3.20 + 1.92 + 0.2 + 0 = 5.32, \text{ în ultimii 5 ani}$$

$$P2 = P2.1 + P2.2 = 0 + 0 = 0$$

$$P2 = P2.1 + P2.2 = 0 + 0 = 0, \text{ în ultimii 5 ani}$$

$$N1 = N1.1 + N1.2 = 4 + 0 = 4$$

$$N1 = N1.1 + N1.2 = 2 + 0 = 2, \text{ în ultimii 5 ani}$$

$$N2 = N2.1 + N2.2 + N2.3 = 5 + 0 + 7 = 12$$

$$N2 = N2.1 + N2.2 + N2.3 = 2 + 0 + 0 = 2, \text{ în ultimii 5 ani}$$

$$N3 = N3.1 + N3.2 = 19 + 12 = 31$$

$$N3 = N3.1 + N3.2 = 5 + 4 = 9, \text{ în ultimii 5 ani}$$

$$N4 = N4.1 + N4.2 + N4.3 + N4.4 = 0 + 0 + 3 + 0 = 3$$

$$N4 = N4.1 + N4.2 + N4.3 + N4.4 = 0 + 0 + 1 + 0 = 1, \text{ în ultimii 5 ani}$$

$$N5 = 7$$

A1 – Activitatea didactică și profesională – DID	
N1.1 Manuale suport de curs ca prim autor	Punctaj
Oanță Emil - “Basic Knowledge in STRENGTH OF MATERIALS Applied in Marine Engineering for Maritime Officers” vol. 1, 2nd edition, 442 pages, Editura Nautica, Constanța, 2016, ISBN 978-606-6810-425, 539.4.	1
Oanță Emil - “Basic Knowledge in STRENGTH OF MATERIALS Applied in Marine Engineering for Maritime Officers” vol. 2, 318 pages, Editura Nautica, Constanța, 2015, ISBN 978-606-6810-630, 539.4.	1
Adeverință N1.1 și N1.3 https://drive.google.com/open?id=1JCZrwC-OlNYsJj5kd3KRBXAxjgb_CcAZ	
Total N1.1	4 / 2
N1.3 Manuale suport de curs (format electronic disponibil pe platforma universității)	Punctaj
Electromecanică Navală, Rezistența Materialelor 1, curs 351 pagini, aplicații 107 pagini	1
Electromecanică Navală, Rezistența Materialelor 2, curs 106 pagini, aplicații 116 pagini	1
Adeverință N1.1 și N1.3 https://drive.google.com/open?id=1JCZrwC-OlNYsJj5kd3KRBXAxjgb_CcAZ	
Total N1.3	2 / 2
N2.1 Standuri laborator (construcție/modernizări)	
Modernizare: Determinarea modulului lui Young și a coeficientului lui Poisson prin tensometrie electrică rezistivă	1 / 1
Modernizare: Determinarea deformațiilor din bare supuse la întindere sau încovoiere	1 / 1
Adeverință N2.1 https://drive.google.com/open?id=1ZTwAY5TbCCPGHUdgeFij1In9MyfqIJxF	
Total N2.1	5 / 2
N2.3 Aplicație informatică educațională	
CarGeo – calculul caracteristicilor geometrice pentru un model educațional de corp de navă	1 / 1
Adeverință N2.3 https://drive.google.com/open?id=1RbYyvGAn0UHJdES10xDFmGUN_SkGCmoL	
Total N2.3	7 / 1

<p>$n = 2 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$</p>	0.4
<p>$n = 1 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$</p>	0.4
<p>Emil M. Oanță, Alin Dănișor, Răzvan Tamaș, <i>Study Regarding the Spline Interpolation Accuracy of the Experimentally Acquired Data</i>, ATOM-N 2016 Conference, 25-28 August 2016, Constanta, Romania. WoS: https://drive.google.com/file/d/0B1yzjO-hA723N2RId1dUT01aZWM/ $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$</p>	0.4
<p>Emil M. Oanță, Cornel Panait, Alexandra Raicu, <i>Original Data Preprocessor for Femap/Nastran</i>, ATOM-N 2016 Conference, 25-28 August 2016, Constanta, Romania. WoS: https://drive.google.com/file/d/0B1yzjO-hA723NzQyYkpidVZHVmc/ $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$</p>	0.4
<p>Emil M. Oanță, Anca-Elena Dăscălescu, Adrian Sabău, <i>Original Analytical Model of the Hydrodynamic Loads Applied on the Half-Bridge of a Circular Settling Tank</i>, ATOM-N 2016 Conference, 25-28 August 2016, Constanta, Romania. WoS: https://drive.google.com/file/d/0B1yzjO-hA723VUdQUWdoWWZiRVU/ $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$</p>	0.4
<p>Emil Oanță, Răzvan Tamaș, Alin Dănișor, <i>Experimental data filtration algorithm</i>, ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012083. WoS: https://drive.google.com/file/d/0B1yzjO-hA723MGiKU0NEWUNKN1U/ $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$</p>	0.4
<p>Emil Oanță, Alexandra Raicu, Cornel Panait, <i>Ideas for the rapid development of the structural models in mechanical engineering</i>, ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012084. WoS: https://drive.google.com/file/d/0B1yzjO-hA723aXc4RjFXMXUxeWs/ $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$</p>	0.4
<p>Eliodor Constantinescu, Emil Oanță, Cornel Panait, <i>Deducing the form factors for shear used in the calculus of the displacements based on strain energy methods. Mathematical approach for currently used shapes</i>, ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012031. Autor corespondent: https://drive.google.com/file/d/0B1yzjO-hA723b1IUQ2hqX2pOQWs/ WoS: https://drive.google.com/file/d/0B1yzjO-hA723aXBaQm1sZkNIV1E/ $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$</p>	0.4
<p>Alexandra Raicu, Emil Oanță, Adrian Sabău, <i>Making objective decisions in mechanical engineering problems</i>, ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012108. Autor corespondent: https://drive.google.com/file/d/0B1yzjO-hA723MHdFUFNwY0NqS2s/ WoS: https://drive.google.com/file/d/0B1yzjO-hA723M05RMHBmaGpEelU/ $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$</p>	0.4

<p>Alexandra Raicu, Emil Oanță, Mihaela Bărhălescu, <i>Exploratory analysis regarding the domain definitions for computer based analytical models</i>, ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012109.</p> <p>Autor corespondent: https://drive.google.com/file/d/0B1yzjO-hA723MHJrX0REQ2l5OWc/ WoS: https://drive.google.com/file/d/0B1yzjO-hA723M05RMHBmaGpEelU/</p> $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$	0.4
<p>Total P1.1: $1.302 + 2.896 + 0.4 \cdot 14 = 9.798$ $0.4 \cdot 8 = 3.2$</p>	9.798 / 3.2
<p>P1.2 Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) ca prim autor sau autor corespondent (număr de autori ≥ 4)</p>	Punctaj
<p><small>Exploratory analysis regarding the domain definitions for computer based analytical models, Alexandra Raicu, Emil Oanță, Mihaela Bărhălescu, ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012109.</small></p> $n = 4 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0) / 4 = 0.3$	0.3
<p><small>Exploratory analysis regarding the domain definitions for computer based analytical models, Alexandra Raicu, Emil Oanță, Mihaela Bărhălescu, ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012109.</small></p> $n = 6 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0) / 6 = 0.2$	0.2
<p><small>Exploratory analysis regarding the domain definitions for computer based analytical models, Alexandra Raicu, Emil Oanță, Mihaela Bărhălescu, ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012109.</small></p> $n = 6 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0) / 6 = 0.2$	0.2
<p>Oanță Emil, Cornel Panait, Alexandra Raicu, Mihaela Bărhălescu, Tiberiu Axinte, <i>Approximation Method to Compute Domain Related Integrals in Structural Studies</i>, Proceedings of the ModTech2015 Conference, 17-20 June 2015, Mamaia, Romania.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723dGh6Y0p3OURkMjg/</p> $n = 5 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0) / 5 = 0.24$	0.24
<p>Alexandru Pescaru, Emil Oanță, Tiberiu Axinte, Anca-Elena Dăscălescu, <i>Extended Precision Data Types for the Development of the Original Computer Aided Engineering Applications</i>, Proceedings of the ModTech2015 Conference, 17-20 June 2015, Mamaia, Romania.</p> <p>Autor corespondent: https://drive.google.com/file/d/0B1yzjO-hA723V0FyYwXmVVRDejg/ WoS: https://drive.google.com/file/d/0B1yzjO-hA723TGtGejdMU01EdjQ/</p> $n = 4 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0) / 4 = 0.3$	0.3
<p>Emil Oanță, Cornel Panait, Alexandra Raicu, Mihaela Bărhălescu, Tiberiu Axinte, <i>Calculus domains modelled using an original bool algebra based on polygons</i>, ModTech2016 Conference, 15-18 June 2016, Iasi, Romania.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723UjhjRklibWUydkU/</p> $n = 5 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0) / 5 = 0.24$	0.24
<p>Emil Oanță, Cornel Panait, Adrian Sabău, Mihaela Bărhălescu, Anca-Elena Dăscălescu, <i>Assumption tests regarding the 'narrow' rectangles dimensions of the open thin wall sections</i>, ModTech2016 Conference, 15-18 June 2016, Iasi, Romania.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723OXA5QKJfc2h2Umc/</p> $n = 5 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0) / 5 = 0.24$	0.24
<p>Anca-Elena Dăscălescu, Gheorghe Lăzăroiu, Andrei-Alexandru Scupi, Emil Oanță, <i>Model of the hydrodynamic loads applied on a rotating half-bridge belonging to a circular settling tank</i>, ModTech2016 Conference, 15-18 June 2016, Iasi, Romania.</p> <p>Autor corespondent: https://drive.google.com/file/d/0B1yzjO-hA723U19URXdtldFsYnc/ WoS: https://drive.google.com/file/d/0B1yzjO-hA723VkfYQ3Eya0dRelk/</p> $n = 4 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0) / 4 = 0.3$	0.3
<p>Anca-Elena Dăscălescu, Gheorghe Lăzăroiu, Andrei-Alexandru Scupi, Emil Oanță, <i>Finite elements model of a rotating half-bridge belonging to a circular settling tank</i>, ModTech2016 Conference, 15-18 June 2016, Iasi, Romania.</p> <p>Autor corespondent: https://drive.google.com/file/d/0B1yzjO-hA723OXpaSkhZdXJ2Yk0/ WoS: https://drive.google.com/file/d/0B1yzjO-hA723djQ1UUM0Y1d1UjA/</p> $n = 4 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0) / 4 = 0.3$	0.3

<p>Emil M. Oanță, Cornel Panait, Alexandra Raicu, Mihaela Bărhălescu, <i>Original Analytic Solution of a Half-Bridge Modelled As a Statically Indeterminate System</i>, ATOM-N 2016 Conference, 25-28 August 2016, Constanta, Romania.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723RWJhVDEzU0xDZVU/</p> $n = 4 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0) / 4 = 0.3$	0.3
<p>Total P1.2: $0.3 \cdot 5 + 0.24 \cdot 3 + 0.2 \cdot 2 = 2.62$ $0.3 \cdot 4 + 0.24 \cdot 3 = 2.62$</p>	2.62 / 1.92
<p>P1.3 Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) ca și co-autor (număr de autori ≤ 3)</p>	Punctaj
<p>Michail M. Laidakis, Vasilios V. Mitsopoulos, <i>Experimental Study Analysis of the Dynamic Behavior of a Bridge</i>, Proceedings of the 10th International Conference on Management of Technology & Change, September 10-14, 2011, Alexandria, Greece, Editor: Constantine Rous, Vol. 8, ISBN 978-961-9380-1-1, ISBN 978-961-9380-1-1, © Constantine University of Greece, pp. 257-260.</p> $n = 3 \Rightarrow P1.3 = 0.2 + 0 = 0.2$	0.2
<p>Michail M. Laidakis, Vasilios V. Mitsopoulos, <i>Experimental Study Analysis of the Dynamic Behavior of a Bridge</i>, Proceedings of the 10th International Conference on Management of Technology & Change, September 10-14, 2011, Alexandria, Greece, Editor: Constantine Rous, Vol. 8, ISBN 978-961-9380-1-1, ISBN 978-961-9380-1-1, © Constantine University of Greece, pp. 257-260.</p> $n = 3 \Rightarrow P1.3 = 0.2 + 0 = 0.2$	0.2
<p>Adrian Sabau, Emil Oanță, Vasilios Mitsopoulos, <i>Impact of the Force of the Motion Induced in the Working of Motor Driven Systems</i>, Proceedings of the 10th International Conference on Management of Technology & Change, September 10-14, 2011, Alexandria, Greece, Editor: Constantine Rous, Vol. 8, ISBN 978-961-9380-1-1, ISBN 978-961-9380-1-1, © Constantine University of Greece, pp. 257-260.</p> $n = 2 \Rightarrow P1.3 = 0.2 + 0 = 0.2$	0.2
<p>Adrian Sabau, Emil Oanță, Vasilios Mitsopoulos, <i>Impact of the Force of the Motion Induced in the Working of Motor Driven Systems</i>, Proceedings of the 10th International Conference on Management of Technology & Change, September 10-14, 2011, Alexandria, Greece, Editor: Constantine Rous, Vol. 8, ISBN 978-961-9380-1-1, ISBN 978-961-9380-1-1, © Constantine University of Greece, pp. 257-260.</p> $n = 3 \Rightarrow P1.3 = 0.2 + 0 = 0.2$	0.2
<p>Adrian Sabau, Emil Oanță, Vasilios Mitsopoulos, <i>Impact of the Force of the Motion Induced in the Working of Motor Driven Systems</i>, Proceedings of the 10th International Conference on Management of Technology & Change, September 10-14, 2011, Alexandria, Greece, Editor: Constantine Rous, Vol. 8, ISBN 978-961-9380-1-1, ISBN 978-961-9380-1-1, © Constantine University of Greece, pp. 257-260.</p> $n = 2 \Rightarrow P1.3 = 0.2 + 0 = 0.2$	0.2
<p>Alexandra Raicu, Emil Oanță, <i>PLM in the context of the maritime virtual education</i>, ATOM-N 2016 Conference, 25-28 August 2016, Constanta, Romania.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723emRPTVBpTGR6WU/</p> $n = 2 \Rightarrow P1.3 = 0.2 + 0 = 0.2$	0.2
<p>Total P1.3: $0.2 \cdot 6 = 1.2$</p>	1.2 / 0.2
<p>N3.1 Articole și publicații științifice BDI, neincluse la P1, ca prim autor</p>	Punctaj
<p>Emil M. Oanță, Cornel Panait, Adrian Sabau, Constantin Dumitrache, Anca-Elena Dascalescu, <i>Data Filtration Original Algorithm for the Computer Based Calculus of the Stresses within an Analytical Model</i>, Proceedings of the ModTech2015 Conference, 17-20 June 2015, Mamaia, Romania, International Journal of Modern Manufacturing Technologies, ISSN 2067-3604, Vol. VII, No. 2 / 2015, pp 72-76.</p> <p>Scopus: https://drive.google.com/file/d/0B1yzjO-hA723b0JjNFVozWh4QTQ/</p>	1
<p>Emil M. Oanță, Victor Hreniuc, Python Brice, <i>Analytical Model of a Bulb Flat</i>, IOP Conference Series: Materials Science and Engineering, Volume 444, Mechanics of Deformable Bodies, 2018, 062006, DOI https://doi.org/10.1088/1757-899X/444/6/062006, http://iopscience.iop.org/article/10.1088/1757-899X/444/6/062006/pdf</p> <p>Scopus: https://drive.google.com/open?id=1eGVZ5M8bwPTls6r2b6hrHrxpxy_6_6jf</p>	1
<p>Emil M Oanță, Alexandra Raicu, Cornel Panait, <i>New Developments of the Computer Aided Analytical Definition of the Map-Wise Calculus Domains</i>, IOP Conference Series: Materials Science and Engineering, Volume 444, Mechanics of Deformable Bodies, 2018, 062007, DOI https://doi.org/10.1088/1757-899X/444/6/062007, http://iopscience.iop.org/article/10.1088/1757-899X/444/6/062007/pdf</p> <p>Scopus: https://drive.google.com/open?id=14G39J4VTeK2rR7vQeAA2Fp0Tv3nMZ6Q8</p>	1
<p>Emil M Oanță, Adrian Sabău, Mihaela Bărhălescu, <i>Calculus of the geometrical characteristics of the sections using CAD/CAE commercial applications</i>, IOP Conference Series: Materials Science and Engineering, Volume 400, 4 - Characterization, Modeling and Simulation of Mechanical Processes, 042042, DOI https://doi.org/10.1088/1757-899X/400/4/042042, http://iopscience.iop.org/article/10.1088/1757-899X/400/4/042042/pdf</p> <p>Scopus: https://drive.google.com/open?id=134NUGgNIIWR5h-QP6CQCeqdK6j9zoQq5</p>	1

Emil M Oanță, Victor-Coriolan Hreniuć, Constantin-Dănuț Grosu, <i>Effective method used to create the analytical models of large sets of curves – application for the ship hull body plan</i> , IOP Conference Series: Materials Science and Engineering, Volume 400, 4 - Characterization, Modeling and Simulation of Mechanical Processes, 042043, DOI https://doi.org/10.1088/1757-899X/400/4/042043 , http://iopscience.iop.org/article/10.1088/1757-899X/400/4/042043/pdf Scopus: https://drive.google.com/open?id=1i8D9fQPQTaG39X_XWZWHd9oeIX1WIUuE	1
Total N3.1	19 / 5
N3.2 Articole și publicații științifice BDI, neincluse la P1, ca și co-autor	Punctaj
Alexandru Pescaru, Emil Oanță, Tiberiu Axinte, Anca-Elena Dăscălescu, <i>Study Regarding the Data Assembling Process for Computer Aided Engineering Applications</i> , Proceedings of the ModTech2015 Conference, 17-20 June 2015, Mamaia, Romania. Autor corespondent: https://drive.google.com/file/d/0B1yzjO-hA723Mnh4czZhbkZFZjA/ Scopus: https://drive.google.com/file/d/0B1yzjO-hA723c1Jod3kxS3NvNjA/	1
Anca-Elena Dascalescu, Gheorghe Lazaroiu, Emil Oanta, Cornel Panait, <i>Analytic Model of the Rotating Half Bridge Belonging to a Circular Settling Tank</i> , U.P.B. Sci. Bull., Series D, Vol.77, Iss. 1, 2015, pp. 235-244, ISSN 1223-7027. Scopus: https://drive.google.com/file/d/0B1yzjO-hA723dThUMFZRNTjrUUU/	1
Pyton Brice, Alex Hreniuć, Victor-Coriolan Hreniuć, Emil M Oanță, <i>Discretization method of the ship hull cross sections</i> , IOP Conference Series: Materials Science and Engineering, Volume 400, 4 - Characterization, Modeling and Simulation of Mechanical Processes, 042007, DOI https://doi.org/10.1088/1757-899X/400/4/042007 , http://iopscience.iop.org/article/10.1088/1757-899X/400/4/042007/pdf Autor corespondent: https://drive.google.com/open?id=1GGVNjyk_5Gf8IwFF9qsC4X_YegAAMH0P Scopus: https://drive.google.com/open?id=1A5JdOrerm7axhk0R4bqfbk6WuAXc1O8T	1
Marian Dordescu, Emil M. Oanță, <i>Computer based original method employed to assess the force and the torque on the rudder's shaft</i> , IOP Conference Series: Materials Science and Engineering, Volume 400, 4 - Characterization, Modeling and Simulation of Mechanical Processes, 042015, DOI https://doi.org/10.1088/1757-899X/400/4/042015 , http://iopscience.iop.org/article/10.1088/1757-899X/400/4/042015/pdf Autor corespondent: https://drive.google.com/open?id=1EAflbgscMv6nmOlwWSawrIs12KO3yd0 Scopus: https://drive.google.com/open?id=1zwdQ00oAMAY1StW09JR7PVBFfmDBuTIY	1
Total N3.2	12 / 4
Total N3 19+12=31	5+4=9
N4.3 Monografii / cărți de specialitate, format tipărit / electronic (min. 100 pag.) ca prim autor	Punctaj
Emil M. Oanță, <i>Computer Aided Solutions in Strength of Materials, From Simple Automatic Calculus to Analytical Models</i> , vol. 1, 544 pages, Editura Nautica, Constanța, 2015, ISBN 978-606-681-067-8, 539.4.	1
Total N4.3	3 / 1

F03-PS6.2-01/ed. 1, rev. 1

<p>ATOM-N 2016 Conference, 25-28 August 2016, Constanta, Romania</p> <p>13.1 Emil M. Oanță, Alin Dănișor, Răzvan Tamaș, <i>Study regarding the spline interpolation accuracy of the experimentally acquired data</i>, Invited Lecture, doi:10.1117/12.2242996; http://dx.doi.org/10.1117/12.2242996.</p> <p>13.2 Emil M. Oanță, Cornel Panait, Alexandra Raicu, <i>Original data preprocessor for Femap/Nastran</i>, doi:10.1117/12.2243000; http://dx.doi.org/10.1117/12.2243000.</p> <p>13.3 Emil M. Oanță, Cornel Panait, Alexandra Raicu, Mihaela Bărhălescu, <i>Original analytic solution of a half-bridge modelled as a statically indeterminate system</i>, doi:10.1117/12.2243003; http://dx.doi.org/10.1117/12.2243003.</p> <p>13.4 Emil M. Oanță, Anca-Elena Dăscălescu, Adrian Sabău, <i>Original analytical model of the hydrodynamic loads applied on the half-bridge of a circular settling tank</i>, doi:10.1117/12.2243009; http://dx.doi.org/10.1117/12.2243009.</p> <p>13.5 Alexandra Raicu, Emil Oanță, <i>PLM in the context of the maritime virtual education</i>.</p> <p>Referințe: https://drive.google.com/file/d/0B1yzjO-hA723T1poUU5MSEdPV1E/ https://drive.google.com/file/d/0B1yzjO-hA723T1FpaXh3RkZ2TDA/ https://drive.google.com/file/d/0B1yzjO-hA723SF8takE0Rm5nWmM/ https://drive.google.com/file/d/0B1yzjO-hA723dlpmbWN4RTduaHM/</p>	1
<p>ModTech International Conference, Modern Technologies in Industrial Engineering, June 15-18, 2016, Iasi, Romania</p> <p>14.1 Emil Oanță, Cornel Panait, Alexandra Raicu, Mihaela Bărhălescu, Tiberiu Axinte, <i>Calculus domains modelled using an original bool algebra based on polygons</i>, doi:10.1088/1757-899X/145/8/082011, http://iopscience.iop.org/article/10.1088/1757-899X/145/8/082011/pdf.</p> <p>14.2 Emil Oanță, Cornel Panait, Adrian Sabău, Mihaela Bărhălescu, Anca-Elena Dăscălescu, <i>Assumption tests regarding the 'narrow' rectangles dimensions of the open thin wall sections</i>, doi:10.1088/1757-899X/145/8/082010, http://iopscience.iop.org/article/10.1088/1757-899X/145/8/082010/pdf.</p> <p>14.3 Anca-Elena Dăscălescu, Gheorghe Lăzăroiu, Andrei-Alexandru Scupi, Emil Oanță, <i>Model of the hydrodynamic loads applied on a rotating half-bridge belonging to a circular settling tank</i>, doi:10.1088/1757-899X/145/4/042008, http://iopscience.iop.org/article/10.1088/1757-899X/145/4/042008.</p> <p>14.4 Anca-Elena Dăscălescu, Gheorghe Lăzăroiu, Andrei-Alexandru Scupi, Emil Oanță, <i>Finite elements model of a rotating half-bridge belonging to a circular settling tank</i>, doi:10.1088/1757-899X/145/4/042007, http://iopscience.iop.org/article/10.1088/1757-899X/145/4/042007/pdf.</p> <p>Referințe: https://drive.google.com/file/d/0B1yzjO-hA723OU05dXZ3RjBYTVU/ https://drive.google.com/file/d/0B1yzjO-hA723Sldhb09oQmV1SVE/ https://drive.google.com/file/d/0B1yzjO-hA723dUROa0h0LVVxSG8/</p>	1

<p>ModTech International Conference, Modern Technologies in Industrial Engineering, June 14-17, 2017, Sibiu, Romania</p> <p>15.1 Emil Oanță, Răzvan Tamaș, Alin Dănișor, <i>Experimental data filtration algorithm.</i> 15.2 Emil Oanță, Alexandra Raicu, Cornel Panait, <i>Ideas for the rapid development of the structural models in mechanical engineering.</i> 15.3 Eliodor Constantinescu, Emil Oanță, Cornel Panait, <i>Deducing the form factors for shear used in the calculus of the displacements based on strain energy methods. Mathematical approach for currently used shapes.</i> 15.4 Alexandra Raicu, Emil Oanță, Adrian Sabău, <i>Making objective decisions in mechanical engineering problems.</i> 15.5 Alexandra Raicu, Emil Oanță, Mihaela Bărhălescu, <i>Exploratory analysis regarding the domain definitions for computer based analytical models.</i></p> <p>Referințe: https://drive.google.com/file/d/0B1yzjO-hA723ZjVkSXpzYWt5REk/ https://drive.google.com/file/d/0B1yzjO-hA723akk4a1pBZ0tjN0k/</p>	1
<p>ACME International Conference, - The 8th International Conference on Advanced Concepts in Mechanical Engineering, June 07-08, 2018, Iași, Romania</p> <p>16.1 Emil M. Oanță, Victor Hreniuc, Python Brice, <i>Analytical Model of a Bulb Flat.</i> 16.2 Emil M Oanță, Alexandra Raicu, Cornel Panait, <i>New Developments of the Computer Aided Analytical Definition of the Map-Wise Calculus Domains.</i></p> <p>Referințe: https://drive.google.com/file/d/1Njah_vlDMiTWTV6w8t8t1vdY07ehIKQC/</p>	1
<p>ModTech International Conference, Modern Technologies in Industrial Engineering, June 13-16, 2018, Constanța, Romania</p> <p>17.1 Emil M Oanță, Adrian Sabău, Mihaela Bărhălescu, <i>Calculus of the geometrical characteristics of the sections using CAD/CAE commercial applications.</i> 17.2 Emil M Oanță, Victor-Coriolan Hreniuc, Constantin-Dănuț Grosu, <i>Effective method used to create the analytical models of large sets of curves – application for the ship hull body plan.</i> 17.3 Python Brice, Alex Hreniuc, Victor-Coriolan Hreniuc, Emil M Oanță, <i>Discretization method of the ship hull cross sections.</i> 17.4 Marian Dordescu, Emil M. Oanță, <i>Computer based original method employed to assess the force and the torque on the rudder's shaft.</i></p> <p>Referințe: https://drive.google.com/file/d/1XtpKMqhXjuZBWr9hnygFK01i8v0LEFZ9/ https://drive.google.com/file/d/1rg8GU8tJDGOa5tsy40jViG7R4XzEF89G/</p>	1
<p>ATOM-N 2018 Conference, 23-26 August 2018, Constanta, Romania</p> <p>18.1 Emil M. Oanta, Razvan Tamas, Mirel Paun, <i>General Solving Concepts in Models' Design – Plenary session paper.</i> 18.2 Emil M. Oanta, Alexandru Pescaru, Alexandru Micu, <i>Upgraded Original Automatic Interpolation Data Processor.</i> 18.3 Emil M. Oanta, Alexandru Pescaru, Gheorghe Lazaroiu, <i>General Data Structure for the Dynamic Memory Allocation in the Development of the Computer Based Models in Engineering.</i></p> <p>Referințe: https://drive.google.com/open?id=1JSofb7LFzbYIO2fMpb5EK-qyUyx7R30l</p>	1
<p>Total N5</p>	<p>18 / 7</p>

C Citări în publicațiile BDI (se exclud autocitățile)	Punctaj
<p>Lucrare citată:</p> <p>Oanta, E., "Computer Based Method for the Calculus of the Stresses", International Symposium on Marine Technologies and Management - TEHNONAV 1998, OVIDIUS University of Constanta, May 21-23, 1998, Vol II, pg. 143-150, ISBN 973-9367-10-0.</p>	
<p>Lucrare care citează:</p> <p>T Axinte, C Nutu, C Stanca, O Cupsa, A Carp, "Aspects regarding analysis of the work deck from a support vessel", IOP Conf. Series: Materials Science and Engineering, vol. 145 (2016) 082005 doi:10.1088/1757-899X/145/8/082005. WoS: https://drive.google.com/file/d/0B1yzjO-hA723YjZHdDZnc3ZtUEE/</p>	1
<p>Lucrare citată:</p> <p>Oanta, E. (2001), "Study of The Strains and Stresses in The Block of Cylinders of The Naval Internal Combustion Engines", PhD Thesis, 'Cum laude', Mechanical Engineering, Politehnica University of Bucharest.</p>	
<p>Lucrare care citează:</p> <p>Tawfiq, L.N.M., Abood, I.N., "Persons Camp Using Interpolation Method", (2018) Journal of Physics: Conference Series, 1003 (1), art. no. 012055, ISSN: 17426588, DOI: 10.1088/1742-6596/1003/1/012055. Scopus: https://drive.google.com/file/d/104UzhFhjNSq09Fnt4VGgc_mnssk_-qx4/</p>	1
<p>Lucrare citată:</p> <p>Oanta, E. (2007), "Numerical Methods and Models Applied in Economy", PhD Thesis, Informatics, Academy of Economic Studies of Bucharest.</p>	
<p>Lucrare care citează:</p> <p>Tawfiq, L.N.M., Abood, I.N., "Persons Camp Using Interpolation Method", (2018) Journal of Physics: Conference Series, 1003 (1), art. no. 012055, ISSN: 17426588, DOI: 10.1088/1742-6596/1003/1/012055. Scopus: https://drive.google.com/file/d/104UzhFhjNSq09Fnt4VGgc_mnssk_-qx4/</p>	1
<p>Lucrare citată:</p> <p>Oanță, E., Taraza, D., "Experimental Investigation of the Strains and Stresses in the Cylinder Block of a Marine Diesel Engine", Paper 2000-01-0520, Proceedings of the SAE 2000 World Congress, Detroit, Michigan, March 6-9, 2000, ISSN 0148-7191, DOI: 10.4271/2000-01-0520. http://papers.sae.org/2000-01-0520/, Scopus: https://drive.google.com/file/d/0B1yzjO-hA723TnNvQTQyODAwU0/</p>	
<p>Lucrare citată:</p> <p>Oanță, E., Taraza, D., "Experimental Investigation of the Strains and Stresses in the Cylinder Block of a Marine Diesel Engine", Paper 2000-01-0520, Proceedings of the SAE 2000 World Congress, Detroit, Michigan, March 6-9, 2000, ISSN 0148-7191, DOI: 10.4271/2000-01-0520. http://papers.sae.org/2000-01-0520/, Scopus: https://drive.google.com/file/d/0B1yzjO-hA723TnNvQTQyODAwU0/</p>	
<p>Lucrare care citează:</p> <p>Anagrius West, I., Jorques Moreno, C., Stenlås, O., Haslestad, F., Jönsson, O., "Internal Combustion Engine Cylinder Volume Trace Deviation", (2018) SAE International Journal of Engines, 11 (2), DOI: 10.4271/03-11-02-0013, ISSN: 1946-3936. Scopus: https://drive.google.com/file/d/1RoTwGk0REXThl3jsZLRNZ5YLALIVYW3D/</p>	1
<p>Lucrare citată:</p> <p>Oanță Emil, "Theoretical Basics Regarding the Creation of the Software Applications for Computer Aided Mechanics", 294 pages, The Publishing House of the "Andrei Șaguna" Foundation, Constanța, 2000, ISBN 973-8146-04-6, Preface by Prof. Dr. H. C. Aramă Constantin, Member of the Romanian Science Academy.</p>	
<p>Lucrare care citează:</p> <p>Eldakhly N. M., Aboul-Ela M., Abdalla A., "Air Pollution Forecasting Model Based on Cance Theory and Intelligent Techniques", International Journal of Artificial Intelligence Tools, Volume 26, Issue 6, 1 December 2017, Article number 1750024, ISSN: 0218-2130, DOI: 10.1142/S0218213017500245. Scopus: https://drive.google.com/file/d/1vGLGnkD0PvIwCHZGBQGxAtiQtXuKU8xV/</p>	1

<p>Lucrare care citează:</p> <p>Grubisic, M., Crnokic, B., "Development of algorithm model for exhaust gases system of diesel engine with electronic control diagnostics", (2016) Annals of DAAAM and Proceedings of the International DAAAM Symposium, 27 (1), pp. 768-774, DOI: 10.2507/27th.daaam.proceedings.111, ISSN: 1726-9679.</p> <p>Scopus: https://drive.google.com/file/d/1xnzVlyBIQjx0WkbEPYnrLx17XMliwPQu/</p>	1
<p>Lucrare care citează:</p> <p>Blyankinshtein, I., Askhabov, A., Voevodin, E. Kashura, A. Malchikov, S., "Concept and models for evaluation of black and white smoke components in diesel engine exhaust", DOI: 10.20858/tp.2017.12.3.8, (2017) Transport Problems, Volume 12, Issue 3, Pages 83-91, ISSN 1896-0596.</p> <p>WoS: https://drive.google.com/file/d/1kvmsSW54km3ncU7B3IVxqloPYsDnEa6C/</p> <p>Scopus: https://drive.google.com/file/d/1X3JnyCoUVV-vwtj9xNBSi0aK7lvvVZqs/</p>	1
<p>Lucrare citată:</p> <p>Alexandra Niță, Emil Oanță, "Multidisciplinary Studies Regarding the Residual Stress Minimization in Polymeric Injected Parts", Revista 'Materiale Plastice', ISSN 0025/5289, Vol. 47, nr. 1, Martie 2010, pp. 69-73.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723VC1hdDFwd1I1ajg/</p>	
<p>Lucrare care citează:</p> <p>Opran Constantin Gheorghe, Balota Doru Andrei, Teodorescu Draghicescu Florin, Dobrescu Tiberiu Daniel, "Modelling Assisted Injection Molding with Magnetic Field for Complex Polymeric Products", Proceedings of the 26th DAAAM International Symposium On Intelligent Manufacturing and Automation, pp. 0301-0310, 2015, Ed. B. Katalinic, Published by DAAAM International, ISBN 978-3-902734-07-5, ISSN 1726-9679, Vienna, Austria, DOI: 10.2507/26th.daaam.proceedings.041.</p> <p>Scopus: https://drive.google.com/file/d/0B1yzjO-hA723R0l6TXE3N1lpSkk/</p>	1
<p>Lucrare citată:</p> <p>Alexandra Niță, Emil Oanță, "Improving the quality of the molded polymeric parts by reducing the residual stress", Proceedings of the 2nd International Conference on Manufacturing Engineering, Quality and Production Systems (MEQAPS '10), ISSN: 1792-4693, ISBN: 978-960-474-220-2, pp. 77-82, Constantza Maritime University, Constantza, Romania, September 3-5, 2010.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723aXRhMmVrbTltNWs/</p>	
<p><small>M.D. Azaman, S.M. Sapuan, S. Sulaiman, E.S. Zainudin, A. Khalina, "Numerical Simulation Analysis of Unfilled and Filled Reinforced Polypropylene on Thin-Walled Parts Formed Using the Injection-Moulding Process", International Journal of Polymer Science, 2015, Article Number: 659321, DOI: 10.1155/2015/659321.</small></p>	4.501
<p>Lucrare care citează:</p> <p>M. D. Azaman, S. M. Sapuan, S. Sulaiman, E. S. Zainudin, A. Khalina, "Numerical Simulation Analysis of Unfilled and Filled Reinforced Polypropylene on Thin-Walled Parts Formed Using the Injection-Moulding Process", International Journal of Polymer Science, 2015, Article Number: 659321, DOI: 10.1155/2015/659321.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723NHfYUm9iUVFrMjQ/</p> <p>FI conform WoS: https://drive.google.com/file/d/0B1yzjO-hA723aFp3NTBla0QtUGs/</p> <p>IF=1.000 in 2015; IF=1.077 in 2016; IF=1.718 in 2017</p> <p>$C=C1+SFI=1+1.000=2.000$</p>	2.0
<p>Lucrare care citează:</p> <p>Vargas Carlos, Sierra Juan, Posada Juan, Botero-Cadavid Juan F., "Analysis and modeling of simulated residual stress of mold injected plastic parts by using robust correlations", MATERIA-RIO DE JANEIRO, Volume 22, Issue 4, Article Number: UNSP e-11894, DOI: 10.1590/S1517-707620170004.0228, Published: 2017, ISSN: 1517-7076.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723SUs4M0l5YUEybms/</p> <p>FI conform WoS: https://drive.google.com/file/d/0B1yzjO-hA723Y2tmUGp5aU1vMm8/</p> <p>IF=0.34 in 2017</p> <p>$C=C1+SFI=1+0.34=1.34$</p>	1.34
<p><small>Vargas Carlos, Sierra Juan, Posada Juan, Botero-Cadavid Juan F., "Analysis and modeling of simulated residual stress of mold injected plastic parts by using robust correlations", MATERIA-RIO DE JANEIRO, Volume 22, Issue 4, Article Number: UNSP e-11894, DOI: 10.1590/S1517-707620170004.0228, Published: 2017, ISSN: 1517-7076.</small></p>	1

<p>Lucrare citată:</p> <p>Oanta, E.; Panait, C.; Batrinca, G. & Pescaru, A.: "Computer Based Educational Model of the Bent Hull in the Context of the Maritime Education", Annals of DAAAM for 2011 & Proceedings of the 22nd International DAAAM Symposium, ISBN 978-3-901509-83-4, ISSN 1726-9679, pp 0503-0504, Editor B[ranko] Katalinic, Published by DAAAM International, Vienna, Austria, November 23-26, 2011.</p> <p>Scopus: https://drive.google.com/file/d/0B1yzjO-hA723VkJVaeIRDUV95SXM/</p>	
<p>Lucrare care citează:</p> <p>T Axinte, C Nutu, C Stanca, O Cupsa, A Carp, "Advanced analysis of the transverse bulkhead of the a general cargo ship", IOP Conf. Series: Materials Science and Engineering 145 (2016) 082004 doi:10.1088/1757-899X/145/8/082004.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723Y1IUOTVVbFcteU0/</p>	1
<p>Lucrare care citează:</p> <p>V Hreniuc, A Hreniuc, A Pescaru, "Assessment regarding the use of the computer aided analytical models in the calculus of the general strength of a ship hull", ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012059.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723OW9TbFMza2VMSUk/</p>	1
<p>Lucrare citată:</p> <p>Alexandra Raicu, Emil Oanță, "Modern education facilities for CAD/CAM/CAE training of the future maritime engineers", Proceedings of the ModTech2013 International Conference – "Advanced Materials Research", 27-29 June 2013, Sinaia, Romania, Vol. Modern Technologies in Industrial Engineering – TRANS TECH PUBLICATIONS, ISBN-978-3-03785-929-2, Advanced Material Research Vol. 837, (2014) 99 769-774, (2014) Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMR.837.769.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723cGZOb3pEOEYwcW8/</p>	
<p>Lucrare care citează:</p> <p>George Kabouridis, Georgios I. Giannopoulos & Sotirios A. Tsirkas, "On the development of course interconnections within a mechanical engineering training programme via single CAD/CAM/CAE software", World Transactions on Engineering and Technology Education, (C) 2015, WIETE Vol.13, No.3, 2015.</p> <p>Scopus: https://drive.google.com/file/d/0B1yzjO-hA723dEkyZ1lmdEk5RkE/</p>	1
<p>Lucrare care citează:</p> <p>T Axinte, C Nutu, C Stanca, O Cupsa, A Carp, "Aspects regarding analysis of the work deck from a support vessel", IOP Conf. Series: Materials Science and Engineering, vol. 145 (2016) 082005 doi:10.1088/1757-899X/145/8/082005.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723YjZHdDZnc3ZtUEE/</p>	1
<p>Lucrare citată:</p> <p>Sabau, A.; Barhalescu, M. L. & Oanta, E.: "Modeling of High-Pressure Fuel Injection Systems", Annals of DAAAM for 2012 & Proceedings of the 23rd International DAAAM Symposium, Zadar, Croatia, Oct 24-27, 2012, ISBN 978-3-901509-91-9, ISSN 2304-1382, pp 1019 - 1022, Editor B[ranko] Katalinic, Published by DAAAM International, Vienna, Austria 2012.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723ZWtDMjFZanR4T3c/</p>	
<p>Lucrare care citează:</p> <p>Raz, K., Zahalka, M., Polak, R., "Injection molding simulations of hardly producible parts from PBT", (2016) Annals of DAAAM and Proceedings of the International DAAAM Symposium, 27 (1), pp. 501-505, DOI: 10.2507/27th.daaam.proceedings.075, ISSN: 1726-9679.</p> <p>Scopus: https://drive.google.com/file/d/1xQg8Iqb0oRPFq8JNlafYdZcMPWS_a09P/</p>	1
<p>Lucrare care citează:</p> <p>Grzadzila Andrzej, Zaleska-Fornal Agata, Kluczyak Marcin, "Diagnostic Model of Fuel Installation of Marine Diesel Engine", TRANSACTIONS ON MARITIME SCIENCE-TOMS, Volume: 6; Issue: 2; Pages: 93-108; DOI: 10.7225/toms.v06.n02.001; Published: OCT 2017.</p> <p>WoS: https://drive.google.com/file/d/1nkCXnRypgaeLHI5zSTrVZSPp-ea4JKOl/</p>	1

<p>Lucrare citată:</p> <p>Emil Oanta, Cornel Panait, "Aspects Regarding the Hybrid Models in Engineering", Invited Lecture, Proceedings of the ModTech2013 International Conference – "Advanced Materials Research", 27-29 June 2013, Sinaia, Romania, Vol. Modern Technologies in Industrial Engineering – TRANS TECH PUBLICATIONS, ISBN-978-3-03785-929-2, Advanced Material Research Vol. 837, (2014) 99 141-146, (2014) Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMR.837.141. WoS: https://drive.google.com/file/d/0B1yzjO-hA723cVE0MVRtMkFxLU0/</p>	
<p>Lucrare care citează:</p> <p>V Hreniuc, A Hreniuc, A Pescaru, "Assessment regarding the use of the computer aided analytical models in the calculus of the general strength of a ship hull", ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012059. WoS: https://drive.google.com/file/d/0B1yzjO-hA723OW9TbFMza2VMSUk/</p>	1
<p>Lucrare citată:</p> <p>Emil Oanta, Cornel Panait, Gheorghe Lazaroiu, Anca-Elena Dascalescu, "Computer Aided Instrument to Be Used as an Automatic Design Component", ModTech2014 International Conference, 13-16 July 2014, Gliwice, Poland, Advanced Materials Research, Vol. 1036, pp. 1017-1022, 2014. Scopus: https://drive.google.com/file/d/0B1yzjO-hA723ZlI2OVdqQjQ3SIU/</p>	
<p>Lucrare care citează:</p> <p>A Raicu, G Raicu, "Innovation in engineering education through computer assisted learning and virtual university model", IOP Conference Series: Materials Science and Engineering, IOP Conf. Series: Materials Science and Engineering, Vol. 95, (2015) 012126, doi:10.1088/1757-899X/95/1/012126. WoS: https://drive.google.com/file/d/0B1yzjO-hA723WHVubnJmT1JWUHM/ Scopus: https://drive.google.com/file/d/1iDCpvjVq2SOTG7NGDNvzR61Ba4yHjS-j/</p>	1
<p>Lucrare citată:</p> <p>Emil Oanta, Eliodor Constantinescu, Alexandra Raicu, Tiberiu Axinte, "Analytic General Solution Employed to Calculate the Geometrical Characteristics in Structural Problems", ModTech2014 International Conference, 13-16 July 2014, Gliwice, Poland, Scientific.Net Publications, Vol 1036 of Advanced Materials Research, pp 697-702, ISSN 102-660, ISBN-13: 978-3-03835-255-6, doi: 10.4028/www.scientific.net/AMR.1036.697. Scopus: https://drive.google.com/file/d/1v5QLfUQSXGRJI0h8NY71cF7jqPxdcNZf/</p>	
<p>Lucrare care citează:</p> <p>V Hreniuc, A Hreniuc, A Pescaru, "Assessment regarding the use of the computer aided analytical models in the calculus of the general strength of a ship hull", ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012059. WoS: https://drive.google.com/file/d/0B1yzjO-hA723OW9TbFMza2VMSUk/</p>	1
<p>Lucrare citată:</p> <p>Oanță Emil, Cornel Panait, Adrian Sabău, Constantin Dumitrache, Anca-Elena Dăscălescu, "Data Filtration Original Algorithm for the Computer Based Calculus of the Stresses within an Analytical Model", Proceedings of the ModTech2015 Conference, 17-20 June 2015, Mamaia, Romania. Scopus: https://drive.google.com/file/d/0B1yzjO-hA723b0JjNFVoZW4QTQ/</p>	
<p>Lucrare care citează:</p> <p>A Wrobel, M Placzek, A Buchacz, A Slomiany, "Simulation of stress in an innovative combination of composite with metal sheet", IOP Conf. Series: Materials Science and Engineering 145 (2016) 042010 doi:10.1088/1757-899X/145/4/042010. WoS: https://drive.google.com/file/d/0B1yzjO-hA723Vk5vdEIJME1NZlk/</p>	1
<p>Lucrare citată:</p> <p>Alexandru Pescaru, Emil Oanta, Tiberiu Axinte, Anca-Elena Dascalescu, "Study Regarding the Data Assembling Process for Computer Aided Engineering Applications", Proceedings of the ModTech2015 Conference, 17-20 June 2015, Mamaia, Romania. Scopus: https://drive.google.com/file/d/0B1yzjO-hA723c1Jod3kxS3NyNjA/</p>	

<p>Lucrare care citează:</p> <p>G Belgiu, C Cărașu, D Șerban, C G Turc, "Product management of making large pieces through Rapid Prototyping PolyJet® technology", ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012015.</p> <p>WoS: https://drive.google.com/file/d/1KIK1PMhlEJxpjxlwaktu1C7IQMompeZD/</p> <p>Scopus: https://drive.google.com/file/d/1XgpeE2OJeN9PE_gp3f2iG0RZ89ffR8oJ/</p>	1
<p>Lucrare care citează:</p> <p>E M Ciortea, "Prototyping manufacturing in the cloud", ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012028.</p> <p>WoS: https://drive.google.com/file/d/1rk-KNqxuQL2XozLMs3DiHgkvV7n5VU-F/</p> <p>Scopus: https://drive.google.com/file/d/13llycVNaRKYWTFQM-8RqomfXqBZlemme/</p>	1
<p>Lucrare citată:</p> <p>Emil Oanta, Cornel Panait, Alexandra Raicu, Mihaela Barhalescu, Tiberiu Axinte, "Calculus domains modelled using an original bool algebra based on polygons", ModTech International Conference - Modern Technologies in Industrial Engineering IV (2016), IOP Conference Series: Materials Science and Engineering, Volume 145, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/145/8/082011.</p> <p>WoS: https://drive.google.com/file/d/1cPLkTBqqu9DSKDgs90Aky0H3_ ocdUCg9/</p>	
<p>Lucrare care citează:</p> <p>V Hreniuc, A Hreniuc, A Pescaru, "Assessment regarding the use of the computer aided analytical models in the calculus of the general strength of a ship hull", ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012059.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723OW9TbFMza2VMSUk/</p>	1
<p>Lucrare citată:</p> <p>Emil M. Oanta, Alin Danisor, Razvan Tamas, "Study regarding the spline interpolation accuracy of the experimentally acquired data", Proc. SPIE 10010, Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies VIII, 1001007 (14 December 2016); doi: 10.1117/12.2242996; https://doi.org/10.1117/12.2242996.</p> <p>WoS: https://drive.google.com/file/d/1TZeoje-U6ZwFbg_iDibHkab5gIM3YWi/</p> <p>Scopus: https://drive.google.com/file/d/1s3rCibXT00kNyszYMpq5kwYuXwXKDJHj/</p>	
<p>Lucrare care citează:</p> <p>A Sabau, "Comparison of two thermodynamic combustion models", IOP Conf. Series: Earth and Environmental Science 172 (2018) 012033, doi: 10.1088/1755-1315/172/1/012033.</p> <p>Scopus: https://drive.google.com/file/d/1xL4XuZkEs_JRojB5yUtnP-jo9FCzDj-/</p>	1
<p>Lucrare citată:</p> <p>Emil M. Oanta, Cornel Panait, Alexandra Raicu, "Original data preprocessor for Femap/Nastran", Proc. SPIE 10010, Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies VIII, 1001020 (December 14, 2016); doi:10.1117/12.2243000; http://dx.doi.org/10.1117/12.2243000</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723NzQyYkpidVZHVmc/</p>	
<p>Lucrare care citează:</p> <p>Yang Tai, Shuai Guo, Baifu An, Feng Ju, "Analysis of the nonlinear dynamic response of guide rails for a suspended buffer", Editor: Hongbo Zhao, Central South University, CHINA, Publisher: Public Library of Science, ISSN: 1932-6203, PLoS ONE, Volume 14, Issue 1, Published: January 17, 2019, Article number e0210185, https://doi.org/10.1371/journal.pone.0210185</p> <p>Paper: https://drive.google.com/open?id=1vPj_gMK-Iyd5t1p5lmOYY3_IW5Fu2hbO</p> <p>Scopus: https://drive.google.com/open?id=1EUVL2dQub6jnyXN6HWrz_eyZNUpiFV6s</p>	1
<p>Total C</p>	56,206 / 30.34
<p>Realizări adiționale, neîncadrate în standardele de mai sus</p>	

Realizări în perioada de studenție https://drive.google.com/file/d/1n5kKzdp8vWEsK_obZbOfviYomRTWlxvm/
Cursuri în perioada postuniversitară https://drive.google.com/file/d/1ZcfoYVaUXEq8Fsou4ZIJ6KlACg9mADd/
Premii, diplome și alte recunoașteri în perioada postuniversitară https://drive.google.com/file/d/1sHtbBB61adNyoKwLxfr1gYMXqBMUsTej/

Constanța, 28 Ianuarie 2019

Conf. Dr. Habil. Ing. Emil M. OANȚĂ

IOSUD Universitatea Maritimă din Constanța
 Conf. Dr. Habil. Ing. Emil M OANȚĂ
 Titlul tezei de abilitare: Hybrid modeling in mechanical engineering
 Domeniul: Inginerie Mecanică

FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE NAȚIONALE

Notă: Dovezile fiecărei poziții sunt fie prezentate printr-un link extern, fie anexate prezentului document.

Condiții minime pentru profesor/abilitare					
Domeniul de activitate		Indicatori	Descriere	Minim	Obținut
Activitatea didactică profesională, DID	A1.1	N1	Manuale suport de curs	2	4
		N1.1	Manuale suport de curs prim autor	1	4
		N1.3	Manuale suport de curs în format electronic pe platforma universității	1	2
	A1.2	N2	Material didactic	4	12
		N2.1	Standuri laborator	2	5
Activitatea de cercetare științifică, CDI	A2.1 + A2.3	P1+P2	Articole și publicații indexate ISI + Brevete	10	13.618
		P1	Articole și publicații indexate ISI	6	13.618
	A2.2	N3	Articole și publicații BDI neincluse la P1	10	31
		N3.1	Articole publicații BDI neincluse la P1, ca prim autor	5	19
	A2.4 + A2.5	N4	Monografii / cărți	2	3
		N4.3	Monografii / cărți ca prim autor	1	3
Recunoaștere a impactului activității, RIA	A3.1	S1 + S2	Granturi	50	508.799
	A3.2	N5	Prezentarea / diseminarea rezultatelor	10	17
	A3.3	C	Citări	25	55.206

$$P1 = P1.1 + P1.2 + P1.3 + P1.4 = 9.798 + 2.62 + 1.2 + 0 = 13.618$$

$$P2 = P2.1 + P2.2 = 0 + 0 = 0$$

$$N1 = N1.1 + N1.2 = 4 + 0 = 4$$

$$N2 = N2.1 + N2.2 + N2.3 = 5 + 0 + 7 = 12$$

$$N3 = N3.1 + N3.2 = 19 + 12 = 31$$

$$N4 = N4.1 + N4.2 + N4.3 + N4.4 = 0 + 0 + 3 + 0 = 3$$

A1 – Activitatea didactică și profesională – DID	
N1.1 Manuale suport de curs ca prim autor	Punctaj
Oanță Emil - “Rezistența Materialelor - curs și aplicații”, 422 pag, Editura Fundației “Andrei Șaguna”, Constanța, 2004, ISBN 973-8146-38-0.	1
Oanță Emil - “Probleme rezolvate de Rezistența Materialelor cu aplicații în Ingineria Marină - Exemple de subiecte de examen”, Editura Nautica, Constanța; ediția 1, 2012, 266 pag., ISBN 978-606-8105-65-9, 539.4; ediția a 2-a, 2013, 294 pag., ISBN 978-606-681-002-9, 539.4; ediția a 3-a, 2014, 300 pag., ISBN 978-606-681-063-0, 539.4.	1
Oanță Emil - “Basic Knowledge in STRENGTH OF MATERIALS Applied in Marine Engineering for Maritime Officers” vol. 1, 2nd edition, 442 pages, Editura Nautica, Constanța, 2016, ISBN 978-606-6810-425, 539.4.	1
Oanță Emil - “Basic Knowledge in STRENGTH OF MATERIALS Applied in Marine Engineering for Maritime Officers” vol. 2, 318 pages, Editura Nautica, Constanța, 2015, ISBN 978-606-6810-630, 539.4.	1
Adeverință N1.1 și N1.3 https://drive.google.com/open?id=1JCZrwC-OlNYsJj5kd3KRBXAjgb_CcAZ	
Total N1.1	4
N1.3 Manuale suport de curs (format electronic disponibil pe platforma universității)	Punctaj
Electromecanică Navală, Rezistența Materialelor 1, curs 351 pagini, aplicații 107 pagini	1
Electromecanică Navală, Rezistența Materialelor 2, curs 106 pagini, aplicații 116 pagini	1
Adeverință N1.1 și N1.3 https://drive.google.com/open?id=1JCZrwC-OlNYsJj5kd3KRBXAjgb_CcAZ	
Total N1.3	2
N2.1 Standuri laborator (construcție/modernizări)	
Stand pentru evidențierea poziției centrului de încovoiere-răsucire	1
Traductor mecanic de forță	1
Măsurarea deplasărilor unei bare drepte cu instrumentele de la bordul navei	1
Modernizare: Determinarea modului lui Young și a coeficientului lui Poisson prin tensometrie electrică rezistivă	1
Modernizare: Determinarea deformațiilor din bare supuse la întindere sau încovoiere	1
Adeverință N2.1 https://drive.google.com/open?id=1ZTwAY5TbCCPGHUdgeFij1In9MyfqIJxF	
Total N2.1	5
N2.3 Aplicație informatică educațională	
CarGeo – calculul caracteristicilor geometrice pentru un model educațional de corp de navă	1
RAC – calculul la răsucire al unui model educațional de cot de arbore cotit	1
ION – calculul tensiunilor normale al unui model educațional de corp de navă supus la încovoiere dublă (carenă înclinată tribord sau babord)	1
TEN – calculul tensiunilor echivalente al unui model educațional de secțiune de corp de navă supus la încovoiere cu forță tăietoare	1
TBM – calculul tensiunilor echivalente al unui model educațional de braț de manivelă	1
DEPL – calculul deplasărilor unei bare drepte (mai multe variante de rezemare)	1
SSN – rezolvarea unui sistem static nedeterminat de tip cot de arbore cotit	1
Adeverință N2.3 https://drive.google.com/open?id=1RbYyvGAn0UHJdES10xDFmGUN_SkGCmoL	
Total N2.3	7

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 autor corespondent (număr de autori ≤ 3)	Punctaj
<p>Oanță Emil, Nicolescu Bogdan, <i>Computer-aided approaches – a path to the information of synthesis in engineering</i>, Proceedings of the 5th International Conference on Quality, Reliability and Maintenance – QRM2004, ISBN 1-86058-440-3, University of Oxford, 1-2 April 2004, pag. 265-268.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723X0lWM0Vsenpvb2s/</p> $n = 2 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$	0.4
<p>Emil Oanță, Alexandra Niță, <i>An Original Method to Compute the Stresses in Applied Elasticity</i>, Journal of Optoelectronics and Advanced Materials - Rapid Communications (OAM-RC), Editor in-chief: Prof. Dr. Mihai A. Popescu, ISSN: Print: 1842-6573, Vol. 3, No. 11, November 2009, pp. 1226-1230.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723emNCbzJ5d0NObjQ/ FI: https://drive.google.com/file/d/1UtSqMV_vlcc77cGvI8QBhBTyQA8NGt4B/</p> $FI=0.451 \text{ în } 2009; FI=0.386 \text{ în } 2017 \rightarrow FI = \max(0.451, 0.386) = 0.451$ $n = 2 \Rightarrow P1.1 = 2 \cdot (0.2 + 0.451) = 2 \cdot 0.651 = 1.302$	1.302
<p>Alexandra Niță, Emil Oanță, <i>Multidisciplinary Studies Regarding the Residual Stress Minimization in Polymeric Injected Parts</i>, Revista 'Materiale Plastice', ISSN 0025/5289, Vol. 47, nr. 1, Martie 2010, pp. 69-73.</p> <p>Autor corespondent: https://drive.google.com/file/d/0B1yzjO-hA723T3pqQXNYREh2OUU/ WoS: https://drive.google.com/file/d/0B1yzjO-hA723VC1hdDFwd1I1ajg/ FI: https://drive.google.com/file/d/1RSi8letr-TmraWOwWHx8gM3XCzW71hUX/</p> $FI=0 \text{ în } 2010; FI=1.248 \text{ în } 2017 \rightarrow FI = \max(0, 1.248) = 1.248$ $n = 2 \Rightarrow P1.1 = 2 \cdot (0.2 + 1.248) = 2 \cdot 1.448 = 2.896$	2.896
<p>Emil M Oanță, <i>On the Path to a Project Management Approach in the Higher Education</i>, European security and defence in the context of the economic and financial crisis; 6th International Conference Strategies XXI, April 15-16, 2010; ISBN 978-973-663-843-5; Edited by: Frunzeti T & Hanganu M; Sponsor: Carol I Natl Defence Univ, Bucharest, Romania; Accession Number: WOS: 000392673600012; pp 71-76.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723SE9pVnJON0Vna1U/</p> $n = 1 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$	0.4
<p>Emil Oanță, <i>Computer Based Instruments in Teaching Strength of Materials</i>, Proceedings of the '6th International Seminar of Quality Management in Higher Education', ISBN: 978-973-662-567-1, pp. 579-582, Organized by: Ministry of Education, Research, Youth and Sports, 'Gheorghe Asachi' Technical University of Iasi, CETEX - Center of Continuing Education and Training, 8-9 July 2010, Tulcea, Romania, Editor: Costache Rusu, ISBN 978-973-662-566-4, ISBN (Volume 1): 978-973-662-567-1, pp. 579-582.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723Z0NtclA4TFRtcWM/</p> $n = 1 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$	0.4
<p>Emil Oanță, Mihaela Bărhălescu, Adrian Sabău, <i>Management of Change Based on Creative Inter-Domain Syntheses</i>, Proceedings of the 7th International Conference on Management of Technological Changes, September 1st-3rd, 2011, Alexandroupolis, Greece, Editor: Costache Rusu, Vol II, ISBN (Vol. II) 978-960-99486-3-0, ISBN 978-960-99486-1-6, Democritus University of Thrace, pp. 589-592.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723ZXRfNU5SZ2JZRTA/</p> $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$	0.4

<p>Emil Oanță, Cornel Panait, <i>Aspects Regarding the Hybrid Models in Engineering</i>, Invited Lecture, Proceedings of the ModTech2013 International Conference – “Advanced Materials Research”, 27-29 June 2013, Sinaia, Romania, Vol. Modern Technologies in Industrial Engineering – TRANS TECH PUBLICATIONS, ISBN-978-3-03785-929-2, Advanced Material Research Vol. 837, (2014) 99 141-146, (2014) Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMR.837.141. WoS: https://drive.google.com/file/d/0B1yzjO-hA723QkRrSUFzMHduckU/ $n = 2 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$</p>	0.4
<p>Emil Oanță, <i>Original Computer Based Solutions in Structural Studies</i>, Proceedings of the ModTech2013 International Conference – “Advanced Materials Research”, 27-29 June 2013, Sinaia, Romania, Vol. Modern Technologies in Industrial Engineering – TRANS TECH PUBLICATIONS, ISBN-978-3-03785-929-2, Advanced Material Research Vol. 837, (2014) 99 440-445, (2014) Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMR.837.440. WoS: https://drive.google.com/file/d/0B1yzjO-hA723bmtJbVJLRHBoUms/ $n = 1 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$</p>	0.4
<p>Emil M. Oanță, Alin Dănișor, Răzvan Tamaș, <i>Study Regarding the Spline Interpolation Accuracy of the Experimentally Acquired Data</i>, ATOM-N 2016 Conference, 25-28 August 2016, Constanta, Romania. WoS: https://drive.google.com/file/d/0B1yzjO-hA723N2RId1dUT01aZWm/ $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$</p>	0.4
<p>Emil M. Oanță, Cornel Panait, Alexandra Raicu, <i>Original Data Preprocessor for Femap/Nastran</i>, ATOM-N 2016 Conference, 25-28 August 2016, Constanta, Romania. WoS: https://drive.google.com/file/d/0B1yzjO-hA723NzQyYkpidVZHVmc/ $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$</p>	0.4
<p>Emil M. Oanță, Anca-Elena Dăscălescu, Adrian Sabău, <i>Original Analytical Model of the Hydrodynamic Loads Applied on the Half-Bridge of a Circular Settling Tank</i>, ATOM-N 2016 Conference, 25-28 August 2016, Constanta, Romania. WoS: https://drive.google.com/file/d/0B1yzjO-hA723VUdQUWdoWWZiRVU/ $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$</p>	0.4
<p>Emil Oanță, Răzvan Tamaș, Alin Dănișor, <i>Experimental data filtration algorithm</i>, ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012083. WoS: https://drive.google.com/file/d/0B1yzjO-hA723MGIKU0NEWUNKNIU/ $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$</p>	0.4
<p>Emil Oanță, Alexandra Raicu, Cornel Panait, <i>Ideas for the rapid development of the structural models in mechanical engineering</i>, ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012084. WoS: https://drive.google.com/file/d/0B1yzjO-hA723aXc4RjFXMXUxeWs/ $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$</p>	0.4
<p>Eliodor Constantinescu, Emil Oanță, Cornel Panait, <i>Deducing the form factors for shear used in the calculus of the displacements based on strain energy methods. Mathematical approach for currently used shapes</i>, ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012031. Autor corespondent: https://drive.google.com/file/d/0B1yzjO-hA723b1IUQ2hqX2pOQWs/ WoS: https://drive.google.com/file/d/0B1yzjO-hA723aXBaQm1sZkNIVIE/ $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$</p>	0.4

<p>Alexandra Raicu, Emil Oanță, Adrian Sabău, <i>Making objective decisions in mechanical engineering problems</i>, ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012108.</p> <p>Autor corespondent: https://drive.google.com/file/d/0B1yzjO-hA723MHdFUFNwY0NqS2s/ WoS: https://drive.google.com/file/d/0B1yzjO-hA723M05RMHBmaGpEelU/</p> $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$	0.4
<p>Alexandra Raicu, Emil Oanță, Mihaela Bărhălescu, <i>Exploratory analysis regarding the domain definitions for computer based analytical models</i>, ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012109.</p> <p>Autor corespondent: https://drive.google.com/file/d/0B1yzjO-hA723MHJrX0REQ2l5OWc/ WoS: https://drive.google.com/file/d/0B1yzjO-hA723M05RMHBmaGpEelU/</p> $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$	0.4
<p>Total P1.1: $1.302 + 2.896 + 0.4 \cdot 14 = 9.798$</p>	9.798
<p>P1.2 Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) ca prim autor sau autor corespondent (număr de autori ≥ 4)</p>	Punctaj
<p>Emil Oanță, Simona Dinu, Ilie Tamaș, Ioan Odăgescu, <i>Innovative Engineering Based On Visual Information</i>, Proceedings of the Balkan Region Conference on Engineering and Business Education, Section: Innovative New Methods for Engineering and Business Education, Volume I, Organized by Lucian Blaga University of Sibiu & Hochschule Wismar - University of Applied Sciences Technology, Business and Design, 15-17 October 2009, Sibiu, Editors: Constantin Oprean, Norbert Grunwald, Claudiu Vasile Kifor, ISBN 978-973-739-848-1, ISSN 1834-6730, pp. 174-177.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723RmpCRIUwTDZKeGs/</p> $n = 4 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0) / 4 = 0.3$	0.3
<p>Emil M. Oanță, Cornel Panait, Gheorghe Lăzăroiu, Alexandra Raicu, Tiberiu Axinte, Anca-Elena Dăscălescu, <i>Conceiving a Hybrid Model of a Weighting Device</i>, ATOM-N 2014 - The 7th edition of the International Conference "Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies", 21-24 August 2014, Constanta, Romania.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723OFhtNk5RSGZPeWM/</p> $n = 6 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0) / 6 = 0.2$	0.2
<p>Emil M. Oanță, Cornel Panait, Mihaela Bărhălescu, Adrian Sabău, Constantin Dumitrache, Anca-Elena Dăscălescu, <i>Original Computer Method for the Experimental Data Processing in Photoelasticity</i>, ATOM-N 2014 - The 7th edition of the International Conference "Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies", 21-24 August 2014, Constanta, Romania.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723bjRtSUx6RTg1ZzA/</p> $n = 6 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0) / 6 = 0.2$	0.2
<p>Oanță Emil, Cornel Panait, Alexandra Raicu, Mihaela Bărhălescu, Tiberiu Axinte, <i>Approximation Method to Compute Domain Related Integrals in Structural Studies</i>, Proceedings of the ModTech2015 Conference, 17-20 June 2015, Mamaia, Romania.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723dGh6Y0p3OURkMjg/</p> $n = 5 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0) / 5 = 0.24$	0.24
<p>Alexandru Pescaru, Emil Oanță, Tiberiu Axinte, Anca-Elena Dăscălescu, <i>Extended Precision Data Types for the Development of the Original Computer Aided Engineering Applications</i>, Proceedings of the ModTech2015 Conference, 17-20 June 2015, Mamaia, Romania.</p> <p>Autor corespondent: https://drive.google.com/file/d/0B1yzjO-hA723V0FyYwXmVVRDejg/ WoS: https://drive.google.com/file/d/0B1yzjO-hA723TGtGejdMU01EdjQ/</p> $n = 4 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0) / 4 = 0.3$	0.3

Emil Oanță, Cornel Panait, Alexandra Raicu, Mihaela Bărhălescu, Tiberiu Axinte, <i>Calculus domains modelled using an original bool algebra based on polygons</i> , ModTech2016 Conference, 15-18 June 2016, Iasi, Romania. WoS: https://drive.google.com/file/d/0B1yzjO-hA723UjhjRklibWUydkU/ $n = 5 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0)/5 = 0.24$	0.24
Emil Oanță, Cornel Panait, Adrian Sabău, Mihaela Bărhălescu, Anca-Elena Dăscălescu, <i>Assumption tests regarding the 'narrow' rectangles dimensions of the open thin wall sections</i> , ModTech2016 Conference, 15-18 June 2016, Iasi, Romania. WoS: https://drive.google.com/file/d/0B1yzjO-hA723OXA5QkJfc2h2Umc/ $n = 5 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0)/5 = 0.24$	0.24
Anca-Elena Dăscălescu, Gheorghe Lăzăroiu, Andrei-Alexandru Scupi, Emil Oanță, <i>Model of the hydrodynamic loads applied on a rotating half-bridge belonging to a circular settling tank</i> , ModTech2016 Conference, 15-18 June 2016, Iasi, Romania. Autor corespondent: https://drive.google.com/file/d/0B1yzjO-hA723U19URXdtdlFsYnc/ WoS: https://drive.google.com/file/d/0B1yzjO-hA723VkFyQ3Eya0dRelk/ $n = 4 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0)/4 = 0.3$	0.3
Anca-Elena Dăscălescu, Gheorghe Lăzăroiu, Andrei-Alexandru Scupi, Emil Oanță, <i>Finite elements model of a rotating half-bridge belonging to a circular settling tank</i> , ModTech2016 Conference, 15-18 June 2016, Iasi, Romania. Autor corespondent: https://drive.google.com/file/d/0B1yzjO-hA723OXpaSkhZdXJ2Yk0/ WoS: https://drive.google.com/file/d/0B1yzjO-hA723djQ1UUM0Y1d1UjA/ $n = 4 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0)/4 = 0.3$	0.3
Emil M. Oanță, Cornel Panait, Alexandra Raicu, Mihaela Bărhălescu, <i>Original Analytic Solution of a Half-Bridge Modelled As a Statically Indeterminate System</i> , ATOM-N 2016 Conference, 25-28 August 2016, Constanta, Romania. WoS: https://drive.google.com/file/d/0B1yzjO-hA723RWJhVDEzU0xDZVU/ $n = 4 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0)/4 = 0.3$	0.3
Total P1.2: $0.3 \cdot 5 + 0.24 \cdot 3 + 0.2 \cdot 2 = 2.62$	2.62
P1.3 Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) ca și co-autor (număr de autori ≤ 3)	Punctaj
Mihaela Bărhălescu, Emil Oanță , Adrian Sabău, <i>Technological Changes Induced by the Thin Superficial Layers Applied on Commonly Used Materials</i> , Proceedings of the 7th International Conference on Management of Technological Changes, September 1st-3rd, 2011, Alexandroupolis, Greece, Editor: Costache Rusu, Vol I, ISBN (Vol. I) 978-960-99486-2-3, ISBN 978-960-99486-1-6, Democritus University of Thrace, pp. 457-459. WoS: https://drive.google.com/file/d/0B1yzjO-hA723WWIIMF14Nkd4dmc/ $n = 3 \Rightarrow P1.3 = 0.2 + 0 = 0.2$	0.2
Mihaela Bărhălescu, Adrian Sabău, Emil Oanță , <i>Reasons To Acquire A More Accurate Knowledge About Corrosion Resistance In Maritime Engineering Education</i> , Proceedings of the 7th International Conference on Management of Technological Changes, September 1st-3rd, 2011, Alexandroupolis, Greece, Editor: Costache Rusu, Vol II, ISBN (Vol. II) 978-960-99486-3-0, ISBN 978-960-99486-1-6, Democritus University of Thrace, pp. 329-332. WoS: https://drive.google.com/file/d/0B1yzjO-hA723bkZWV2UwTVlnSTQ/ $n = 3 \Rightarrow P1.3 = 0.2 + 0 = 0.2$	0.2
Adrian Sabău, Emil Oanță , Mihaela Bărhălescu, <i>Impact Of The Use Of The Modern Methods In The Training Of Marine Engineer Cadets</i> , Proceedings of the 7th International Conference on Management of Technological Changes, September 1st-3rd, 2011, Alexandroupolis, Greece, Editor: Costache Rusu, Vol II, ISBN (Vol. II) 978-960-99486-3-0, ISBN 978-960-99486-1-6, Democritus University of Thrace, pp. 421-424. WoS: https://drive.google.com/file/d/0B1yzjO-hA723TGx6TDJKa2h6Q0E/ $n = 2 \Rightarrow P1.3 = 0.2 + 0 = 0.2$	0.2

Adrian Sabău, Mihaela Bărhălescu, Emil Oanță , <i>Simulation Programs in Teaching Activity</i> , Proceedings of the 7th International Conference on Management of Technological Changes, September 1st-3rd, 2011, Alexandroupolis, Greece, Editor: Costache Rusu, Vol II, ISBN (Vol. II) 978-960-99486-3-0, ISBN 978-960-99486-1-6, Democritus University of Thrace, pp. 425-428. WoS: https://drive.google.com/file/d/0B1yzjO-hA723VEdDdUNxdDZIMFU/ $n = 3 \Rightarrow P1.3 = 0.2 + 0 = 0.2$	0.2
Alexandra Raicu, Emil Oanță , <i>Modern education facilities for CAD/CAM/CAE training of the future maritime engineers</i> , Proceedings of the ModTech2013 International Conference – “Advanced Materials Research”, 27-29 June 2013, Sinaia, Romania, Vol. Modern Technologies in Industrial Engineering – TRANS TECH PUBLICATIONS, ISBN-978-3-03785-929-2, Advanced Material Research Vol. 837, (2014) 99 769-774, (2014) Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMR.837.769. WoS: https://drive.google.com/file/d/0B1yzjO-hA723cGZOb3pEOEYwcW8/ $n = 2 \Rightarrow P1.3 = 0.2 + 0 = 0.2$	0.2
Alexandra Raicu, Emil Oanță , <i>PLM in the context of the maritime virtual education</i> , ATOM-N 2016 Conference, 25-28 August 2016, Constanta, Romania. WoS: https://drive.google.com/file/d/0B1yzjO-hA723emRPTVBpTGR6WlU/ $n = 2 \Rightarrow P1.3 = 0.2 + 0 = 0.2$	0.2
Total P1.3: 0.2 · 6 = 1.2	1.2
N3.1 Articole și publicații științifice BDI, neincluse la P1, ca prim autor	Punctaj
Oanță, E., Taraza, D., <i>Experimental Investigation of the Strains and Stresses in the Cylinder Block of a Marine Diesel Engine</i> , Paper 2000-01-0520, Proceedings of the SAE 2000 World Congress, Detroit, Michigan, March 6-9, 2000, ISSN 0148-7191, DOI: 10.4271/2000-01-0520, http://papers.sae.org/2000-01-0520/ . Scopus: https://drive.google.com/file/d/0B1yzjO-hA723TnNvQTQyODAwU0/	1
Emil Oanță, Constantin Dumitrache, Mihaela Bărhălescu, Adrian Sabău, <i>Data Structure Employed in Mechanical Engineering Software Instruments</i> , Annals of DAAAM for 2009 & Proceedings of The 20th DAAAM World Symposium Vienna, 25-28 Nov 2009, Vienna, Austria, Organized by Danube Adria Association for Automation & Manufacturing, Vienna University of Technology, University of Applied Sciences Technikum Vienna, Austrian Society of Engineers and Architects - OIAV 1848, Editor B. Katalinic, ISBN 978-3-901509-70-4, ISSN 1726-9679, ID 882, pag. 625-626. WoS: https://drive.google.com/file/d/0B1yzjO-hA723ak94aXhjUmlfWIE/	1
Emil Oanță, Mihaela Bărhălescu, Adrian Sabău, Constantin Dumitrache, <i>Application of a Versatile Data Structure in Computational Fluid Dynamics</i> , Annals of DAAAM for 2009 & The 20th DAAAM World Symposium Vienna, 25-28 Nov 2009, Vienna, Austria, Organized by Danube Adria Association for Automation & Manufacturing, Vienna University of Technology, University of Applied Sciences Technikum Vienna, Austrian Society of Engineers and Architects - OIAV 1848, Editor B. Katalinic, ISBN 978-3-901509-70-4, ISSN 1726-9679, ID 1022, pag. 759-760. WoS: https://drive.google.com/file/d/0B1yzjO-hA723WWVLR3RxNWpGRmc/	1
Oanta Emil, <i>Applied elasticity computer models in automatic design</i> , 2nd International Multi-Conference on Engineering and Technological Innovation, IMETI 2009; Orlando, Florida, United States, 10-13 July 2009, Code 101671, Proceedings Volume 1, 2009, Pages 270-275. Scopus: https://drive.google.com/file/d/1OME-5363RMpe5uRVnTQ429C8z96yDITo/	1
Alexandra Niță, Emil Oanță, <i>Improving the quality of the molded polymeric parts by reducing the residual stress</i> , Proceedings of the 2nd International Conference on Manufacturing Engineering, Quality and Production Systems (MEQAPS '10), ISSN: 1792-4693, ISBN: 978-960-474-220-2, pp. 77-82, Constantza Maritime University, Constantza, Romania, September 3-5, 2010. WoS: https://drive.google.com/file/d/0B1yzjO-hA723aXRhMmVrbTltNWs/	1

<p>Sabău Adrian, Oanta Emil, <i>Soot Modeling in Diesel Engine</i>, Proceedings of the International Conference on Environmental and Geological Science and Engineering, ISSN 1792-4685, ISBN 978-960-474-221-9, pp. 126-131, Constantza Maritime University, Constantza, Romania, September 3-5, 2010.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723aXRhMmVrbTltNWwS/</p>	1
<p>Oanta, E.; Panait, C.; Batrinca, G. & Pescaru, A.: <i>Basic Concepts to Design the Software Application of a Computer Based Mechanical Engineering Model</i>, Annals of DAAAM for 2011 & Proceedings of the 22nd International DAAAM Symposium, ISBN 978-3-901509-83-4, ISSN 1726-9679, pp 0505-0506, Editor Branko Katalinic, Published by DAAAM International, Vienna, Austria, November 23-26, 2011.</p> <p>Scopus: https://drive.google.com/file/d/0B1yzjO-hA723M0QweUNWVHVY3c/</p>	1
<p>Oanta, E.; Panait, C.; Batrinca, G. & Pescaru, A.: <i>Computer Based Educational Model of the Bent Hull in the Context of the Maritime Education</i>, Annals of DAAAM for 2011 & Proceedings of the 22nd International DAAAM Symposium, ISBN 978-3-901509-83-4, ISSN 1726-9679, pp 0503-0504, Editor B[ranko] Katalinic, Published by DAAAM International, Vienna, Austria, November 23-26, 2011.</p> <p>Scopus: https://drive.google.com/file/d/0B1yzjO-hA723VkVaelRDUV95SXM/</p>	1
<p>Oanta, E.; Panait, C.; Marina, V.; Marina, V.; Lepadatu, L.; Constantinescu, E.; Barhalescu, M. L.; Sabau, A. & Dumitrache, C. L.: <i>Mathematical Composite Models, a Path to Solve Research Complex Problems</i>, Annals of DAAAM for 2011 & Proceedings of the 22nd International DAAAM Symposium, ISBN 978-3-901509-83-4, ISSN 1726-9679, pp 0501-0502, Editor B[ranko] Katalinic, Published by DAAAM International, Vienna, Austria, November 23-26, 2011.</p> <p>Scopus: https://drive.google.com/file/d/0B1yzjO-hA723cGJrTzF5aVl6MWc/</p>	1
<p>Oanta, E.; Panait, C.; Sabau, A.; Barhalescu, M. L. & Axinte, T.: <i>Ideas Regarding the Modeling of the Behavior of the Sections Having a Distinct Shear Center</i>, Annals of DAAAM for 2012 & Proceedings of the 23rd International DAAAM Symposium, Zadar, Croatia, Oct 24-27, 2012, ISBN 978-3-901509-91-9, ISSN 2304-1382, pp 0489 - 0492, Editor B[ranko] Katalinic, Published by DAAAM International, Vienna, Austria 2012.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723blRqS01YaDFTM00/</p>	1
<p>Oanta, E.; Panait, C.; Sabau, A.; Barhalescu, M. L. & Axinte, T.: <i>Analytic Method to Compute the Isostatics using the Isoclinic Fringes</i>, Annals of DAAAM for 2012 & Proceedings of the 23rd International DAAAM Symposium, Zadar, Croatia, Oct 24-27, 2012, ISBN 978-3-901509-91-9, ISSN 2304-1382, pp 0493 - 0496, Editor B[ranko] Katalinic, Published by DAAAM International, Vienna, Austria 2012.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723c2x0aEQ4WklvNGc/</p>	1
<p>Oanta, E.; Panait, C.; Barhalescu, M. L.; Sabau, A. & Axinte, T.: <i>Computer Aided Solution in an Applied Elasticity Educational Case Study - Statically Indeterminate System of Bars</i>, Annals of DAAAM for 2012 & Proceedings of the 23rd International DAAAM Symposium, Zadar, Croatia, Oct 24-27, 2012, ISBN 978-3-901509-91-9, ISSN 2304-1382, pp 0485 - 0488, Editor B[ranko] Katalinic, Published by DAAAM International, Vienna, Austria 2012.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723Rm85SEsxMmVoaUk/</p>	1
<p>Emil Oanta, Cornel Panait, Gheorghe Lazaroiu, Anca-Elena Dascalescu, <i>Computer Aided Instrument to Be Used as an Automatic Design Component</i>, ModTech2014 International Conference, 13-16 July 2014, Gliwice, Poland, Scientific.Net Publications, Vol 1036 of Advanced Materials Research, pp 1017-1022, ISSN 102-660, ISBN-13: 978-3-03835-255-6, doi: 10.4028/www.scientific.net/AMR.1036.1017.</p> <p>Scopus: https://drive.google.com/file/d/0B1yzjO-hA723ZlI2OVdqQjQ3SIU/</p>	1
<p>Emil Oanta, Eliodor Constantinescu, Alexandra Raicu, Tiberiu Axinte, <i>Analytic General Solution Employed to Calculate the Geometrical Characteristics in Structural Problems</i>, ModTech2014 International Conference, 13-16 July 2014, Gliwice, Poland, Scientific.Net Publications, Vol 1036 of Advanced Materials Research, pp 697-702, ISSN 102-660, ISBN-13: 978-3-03835-255-6, doi: 10.4028/www.scientific.net/AMR.1036.697.</p> <p>Scopus: https://drive.google.com/file/d/0B1yzjO-hA723SGdFNmdVajR1YU0/</p>	1

Oanta Emil, Cornel Panait, Adrian Sabau, Constantin Dumitrache, Anca-Elena Dascalescu, <i>Data Filtration Original Algorithm for the Computer Based Calculus of the Stresses within an Analytical Model</i> , Proceedings of the ModTech2015 Conference, 17-20 June 2015, Mamaia, Romania, International Journal of Modern Manufacturing Technologies, ISSN 2067–3604, Vol. VII, No. 2 / 2015, pp 72-76. Scopus: https://drive.google.com/file/d/0B1yzjO-hA723b0JjNFVoZWWh4QTQ/	1
Emil M. Oanță, Victor Hreniuc, Python Brice, <i>Analytical Model of a Bulb Flat</i> , IOP Conference Series: Materials Science and Engineering, Volume 444, Mechanics of Deformable Bodies, 2018, 062006, DOI https://doi.org/10.1088/1757-899X/444/6/062006 , http://iopscience.iop.org/article/10.1088/1757-899X/444/6/062006/pdf Scopus: https://drive.google.com/open?id=1eGVZ5M8bwPTIs6r2b6hrHrxpxy_6_6jf	1
Emil M Oanță, Alexandra Raicu, Cornel Panait, <i>New Developments of the Computer Aided Analytical Definition of the Map-Wise Calculus Domains</i> , IOP Conference Series: Materials Science and Engineering, Volume 444, Mechanics of Deformable Bodies, 2018, 062007, DOI https://doi.org/10.1088/1757-899X/444/6/062007 , http://iopscience.iop.org/article/10.1088/1757-899X/444/6/062007/pdf Scopus: https://drive.google.com/open?id=14G39J4VTek2rR7vQeAA2Fp0Tv3nMZ6Q8	1
Emil M Oanță, Adrian Sabău, Mihaela Bărhălescu, <i>Calculus of the geometrical characteristics of the sections using CAD/CAE commercial applications</i> , IOP Conference Series: Materials Science and Engineering, Volume 400, 4 - Characterization, Modeling and Simulation of Mechanical Processes, 042042, DOI https://doi.org/10.1088/1757-899X/400/4/042042 , http://iopscience.iop.org/article/10.1088/1757-899X/400/4/042042/pdf Scopus: https://drive.google.com/open?id=134NUXgNIIWR5h-QP6CQCeqdK6j9zoQq5	1
Emil M Oanță, Victor-Coriolan Hreniuc, Constantin-Dănuț Grosu, <i>Effective method used to create the analytical models of large sets of curves – application for the ship hull body plan</i> , IOP Conference Series: Materials Science and Engineering, Volume 400, 4 - Characterization, Modeling and Simulation of Mechanical Processes, 042043, DOI https://doi.org/10.1088/1757-899X/400/4/042043 , http://iopscience.iop.org/article/10.1088/1757-899X/400/4/042043/pdf Scopus: https://drive.google.com/open?id=1i8D9fQPQTaG39X_XWZWHD9oeIX1WIUuE	1
Total N3.1	19
N3.2 Articole și publicații științifice BDI, neincluse la P1, ca și co-autor	Punctaj
Bogdan Nicolescu, Gabriel Golubovici, Emil M. Oanta, <i>Multithreading Parallelization of CFD Problems Under Microsoft Windows NT</i> , Proceedings of the ASME Fluid Engineering Division – 1999, 1999 ASME International Mechanical Engineering Congress and Exposition, November 14-19, 1999, Nashville Tennessee, FED-Vol 250, Edited David Stock – Washington State University, pp. 315-318, ISBN 0-7918-1661-3, 9780791816615. Scopus: https://drive.google.com/file/d/0B1yzjO-hA723ZEI2MDJXVnFJVDg/	1
Gavrilă Gabriela, Emil Oanță, <i>Interpolation and Computer Based Models</i> , Annals of DAAAM for 2009 & Proceedings of The 20th DAAAM World Symposium Vienna, 25-28 Nov 2009, Vienna, Austria, Organized by Danube Adria Association for Automation & Manufacturing, Vienna University of Technology, University of Applied Sciences Technikum Vienna, Austrian Society of Engineers and Architects - OIAV 1848, Editor B. Katalinic, ISBN 978-3-901509-70-4, ISSN 1726-9679, ID 835, pag. 579-580. WoS: https://drive.google.com/file/d/0B1yzjO-hA723dzE3Y0dVaWJGRW8/	1
Mihaela Bărhălescu, Emil Oanță, Adrian Sabău, Constantin Dumitrache, <i>Internal Stress in Superficial Layers on Carbon Steels</i> , Annals of DAAAM for 2009 & The 20th DAAAM World Symposium Vienna, 25-28 Nov 2009, Vienna, Austria, Organized by Danube Adria Association for Automation & Manufacturing, Vienna University of Technology, University of Applied Sciences Technikum Vienna, Austrian Society of Engineers and Architects - OIAV 1848, Editor B. Katalinic, ISBN 978-3-901509-70-4, ISSN 1726-9679, ID 1108, pag. 845-846. WoS: https://drive.google.com/file/d/0B1yzjO-hA723bm1pTIZjeERUbVE/	1

<p>Mihaela Bărhălescu, Constantin Dumitrache, Emil Oanță, Adrian Sabău, <i>Improving Corrosion Resistance of Metallic Materials by Electrical Discharge in Impulses</i>, Annals of DAAAM for 2009 & The 20th DAAAM World Symposium Vienna, 25-28 Nov 2009, Vienna, Austria, Organized by Danube Adria Association for Automation & Manufacturing, Vienna University of Technology, University of Applied Sciences Technikum Vienna, Austrian Society of Engineers and Architects - OIAV 1848, Editor B. Katalinic, ISBN 978-3-901509-70-4, ISSN 1726-9679, ID 926, pag. 675-676.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723VzJNRHNvMWJra3M/</p>	1
<p>Adrian Sabău, Constantin Dumitrache, Mihaela Bărhălescu, Emil Oanță, <i>Simplified Model for Combustion Reactions in Diesel Engine</i>, Annals of DAAAM for 2009 & The 20th DAAAM World Symposium Vienna, 25-28 Nov 2009, Vienna, Austria, Organized by Danube Adria Association for Automation & Manufacturing, Vienna University of Technology, University of Applied Sciences Technikum Vienna, Austrian Society of Engineers and Architects - OIAV 1848, Editor B. Katalinic, ISBN 978-3-901509-70-4, ISSN 1726-9679, ID 1073, pag. 811-812.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723SIZkUk9QcktwWDg/</p>	1
<p>Adrian Sabău, Constantin Dumitrache, Mihaela Bărhălescu, Emil Oanță, <i>Computer Code for Modeling Combustion in Diesel Engines</i>, Annals of DAAAM for 2009 & The 20th DAAAM World Symposium Vienna, 25-28 Nov 2009, Vienna, Austria, Organized by Danube Adria Association for Automation & Manufacturing, Vienna University of Technology, University of Applied Sciences Technikum Vienna, Austrian Society of Engineers and Architects - OIAV 1848, Editor B. Katalinic, ISBN 978-3-901509-70-4, ISSN 1726-9679, ID 869, pag. 617-618.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723NIIQalFqSTIDOFk/</p>	1
<p>Barhălescu, M. L.; Sabău, A. & Oanță, E.: <i>Increasing Wear Resistance of the Superficial Microalloying Layers</i>, Annals of DAAAM for 2012 & Proceedings of the 23rd International DAAAM Symposium, Zadar, Croatia, Oct 24-27, 2012, ISBN 978-3-901509-91-9, ISSN 2304-1382, pp 1015 - 1018, Editor B[ranko] Katalinic, Published by DAAAM International, Vienna, Austria, 2012.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723bHVOR1hJdzFODXM/</p>	1
<p>Sabău, A.; Barhălescu, M. L. & Oanță, E.: <i>Modeling of High-Pressure Fuel Injection Systems</i>, Annals of DAAAM for 2012 & Proceedings of the 23rd International DAAAM Symposium, Zadar, Croatia, Oct 24-27, 2012, ISBN 978-3-901509-91-9, ISSN 2304-1382, pp 1019 - 1022, Editor B[ranko] Katalinic, Published by DAAAM International, Vienna, Austria 2012.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723ZWtDMjFZanR4T3c/</p>	1
<p>Alexandru Pescaru, Emil Oanță, Tiberiu Axinte, Anca-Elena Dăscălescu, <i>Study Regarding the Data Assembling Process for Computer Aided Engineering Applications</i>, Proceedings of the ModTech2015 Conference, 17-20 June 2015, Mamaia, Romania.</p> <p>Autor corespondent: https://drive.google.com/file/d/0B1yzjO-hA723Mnh4czZhbKZFZjA/</p> <p>Scopus: https://drive.google.com/file/d/0B1yzjO-hA723c1Jod3kxS3NyNjA/</p>	1
<p>Anca-Elena Dăscălescu, Gheorghe Lazaroiu, Emil Oanță, Cornel Panait, <i>Analytic Model of the Rotating Half Bridge Belonging to a Circular Settling Tank</i>, U.P.B. Sci. Bull., Series D, Vol.77, Iss. 1, 2015, pp. 235-244, ISSN 1223-7027.</p> <p>Scopus: https://drive.google.com/file/d/0B1yzjO-hA723dThUMFZRNTJrUUU/</p>	1
<p>Pyton Brice, Alex Hreniuc, Victor-Coriolan Hreniuc, Emil M Oanță, <i>Discretization method of the ship hull cross sections</i>, IOP Conference Series: Materials Science and Engineering, Volume 400, 4 - Characterization, Modeling and Simulation of Mechanical Processes, 042007, DOI https://doi.org/10.1088/1757-899X/400/4/042007, http://iopscience.iop.org/article/10.1088/1757-899X/400/4/042007/pdf</p> <p>Autor corespondent: https://drive.google.com/open?id=1GGVNjyk_5Gf8IwFF9qsC4X_YegAAMH0P</p> <p>Scopus: https://drive.google.com/open?id=1A5JdOrerm7axhk0R4bqfbk6WuAXc1O8T</p>	1
<p>Marian Dordescu, Emil M. Oanță, <i>Computer based original method employed to assess the force and the torque on the rudder's shaft</i>, IOP Conference Series: Materials Science and Engineering, Volume 400, 4 - Characterization, Modeling and Simulation of Mechanical Processes, 042015, DOI https://doi.org/10.1088/1757-899X/400/4/042015, http://iopscience.iop.org/article/10.1088/1757-899X/400/4/042015/pdf</p> <p>Autor corespondent: https://drive.google.com/open?id=1EAflbgscMv6nmOlwWSawrls12KO3vd0</p> <p>Scopus: https://drive.google.com/open?id=1zwdQ00oAMAY1StW09JR7PVBffmDBuTIY</p>	1
Total N3.2	12

Total N3 19+12=31	31
N4.3 Monografii / cărți de specialitate, format tipărit / electronic (min. 100 pag.) ca prim autor	Punctaj
Oanță Emil, <i>Fundamente teoretice în programarea aplicațiilor de inginerie mecanică asistată de calculator</i> , 294 pag, Editura Fundației “Andrei Șaguna”, Constanța, 2000, ISBN 973-8146-04-6, Prefață de Acad. Dr. H. C. Aramă Constantin.	1
Emil Oanță, Cornel Panait, Ghiorghe Bătrâncă, Alexandru Pescaru, Alexandra Niță, Feiza Memet, <i>Development of Computer Assisted Marine Structures</i> , 130 pag, Editura Nautica, Constanța, 2012, ISBN 978-606-8105-70-3, 629.5.	1
Emil M. Oanță, <i>Computer Aided Solutions in Strength of Materials, From Simple Automatic Calculus to Analytical Models</i> , vol. 1, 544 pages, Editura Nautica, Constanța, 2015, ISBN 978-606-681-067-8, 539.4.	1
Total N4.3	3

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 Euro
Identificator: IDEI - ID1223 Tip proiect: Proiect de cercetare exploratorie Denumire: “Studii avansate de elasticitate aplicată din perspectivă multidisciplinară, asistate de calculator” Acronim: ID1223 Anul începerii proiectului: 2007 Anul finalizării proiectului: 2010 Funcția deținută în proiect: Director de proiect Instituția coordonatoare: Universitatea Maritimă din Constanța Bugetul total al proiectului: 419500.0 RON Bugetul instituției coordonatoare: 195480.86 RON Bugetul alocat cercetătorului: 195480.86 RON Calcul indicator: a) transformare în Euro: 195480.86 RON / 4.3 Euro/RON = 45460.66 Euro b) S1=45460.66 Euro / 1000 = 45.460	45.460
Identificator: POSDRU/6/1.5/S/16 ID 5159 Tip proiect: POSDRU Denumire: “Doctoranzi în sprijinul inovării și competitivității” Acronim: POSDRU/6/1.5/S/16 ID 5159 Anul începerii proiectului: 2008 Anul finalizării proiectului: 2011 Funcția deținută în proiect: Responsabil de proiect din partea Universității Maritime Instituția coordonatoare: Universitatea ‘Politehnica’ București Bugetul total al proiectului: 18 500 000.0 RON Bugetul intrat în Universitatea Maritimă: 344 750.0 RON Calcul indicator: a) transformare în Euro: 344750.0 RON / 4.4 Euro/RON = 78352.27 Euro b) S1=78352.27 Euro / 1000 = 78.352	78.352

<p>Identificator: POSDRU/6/1.5/S/19 ID 7713 Tip proiect: POSDRU Denumire: “Pregătirea competitivă a doctoranzilor în domenii prioritare ale societății bazate pe cunoaștere” Acronim: POSDRU/6/1.5/S/19 ID 7713 Anul începerii proiectului: 2008 Anul finalizării proiectului: 2011 Funcția deținută în proiect: Responsabil de proiect din partea Universității Maritime Instituția coordonatoare: Universitatea ‘Politehnica’ București Bugetul total al proiectului: 18 500 000.0 RON Bugetul intrat în Universitatea Maritimă: 344 750.0 RON Calcul indicator: a) transformare în Euro: $344750.0 \text{ RON} / 4.4 \text{ Euro/RON} = 78352.27 \text{ Euro}$ b) $S1=78352.27 \text{ Euro} / 1000 = 78.352$</p>	78.352
<p>Identificator: POSDRU/57/1.3/S/17884 Tip proiect: POSDRU Denumire: “Specializarea personalului didactic universitar pentru funcția de ‘Cadru didactic supervizor’ de practică tehnologică și de cercetare” Acronim: POSDRU/57/1.3/S/17884 Anul începerii proiectului: 2009 Anul finalizării proiectului: 2011 Funcția deținută în proiect: Coordonator regional în perioada 2009-2010 (responsabil de proiect din partea Universității Maritime) Instituția coordonatoare: Universitatea Tehnică ‘Gheorghe Asachi’ Iași Bugetul total al proiectului: 4 115 005.7 RON Bugetul intrat în Universitatea Maritimă: 584 886.0 RON Calcul indicator: a) transformare în Euro: $85004.0 \text{ RON (Buget UMC in Anul I)} / 4.3 \text{ Euro/RON} = 6976.74 \text{ Euro}$ b) $S1=6976.74 \text{ Euro} / 1000 = 6.977$</p>	6.977
<p>Identificator: POSDRU/60/2.1/S/34217 Tip proiect: POSDRU Denumire: “PLM Adaptor” Acronim: PLM Adaptor Anul începerii proiectului: 2009 Anul finalizării proiectului: 2012 Funcția deținută în proiect: Expert coordonator regional Instituția coordonatoare: SC ADA Computers SRL Bugetul total al proiectului: 10 367 878.0 RON Bugetul intrat în Universitatea Maritimă: 570 572.0 RON Calcul indicator: a) transformare în Euro: $570572.0 \text{ RON} / 4.5 \text{ Euro/RON} = 126793.777 \text{ Euro}$ b) $S1=126793.777 \text{ Euro} / 1000 = 126.793$</p>	126.793

<p>Identificator: RO/NO/MET22 din 24/04/2009</p> <p>Tip proiect: Cooperare România - Norvegia</p> <p>Denumire: "RoNoMar – Cooperare tehnică între România și Norvegia în domeniul Transporturilor Navale"</p> <p>Acronim: RoNoMar</p> <p>Anul începerii proiectului: 2009</p> <p>Anul finalizării proiectului: 2012</p> <p>Tip activitate efectuată în proiect: Cercetare – Research</p> <p>Funcția deținută în proiect: Head of the research workgroup</p> <p>Tema de cercetare: "Development of computer assisted marine structures"</p> <p>Instituția coordonatoare: Universitatea Maritimă din Constanța</p> <p>Bugetul total al proiectului: 20 248 261.40 RON</p> <p>Bugetul instituției coordonatoare: 13 217 997.90 RON</p> <p>Bugetul alocat cercetătorului (manopera grupului de cercetare): 102759 lei</p> <p>Calcul indicator:</p> <p>a) transformare în Euro: 102759 RON / 4.3 Euro/RON = 23898 Euro</p> <p>b) $S1=23898 / 1000 = 23.898$</p>	23.898
<p>Identificator: PN II Capacități, ANCS 435 din 18/06/2010</p> <p>Tip proiect: Colaborare cu Republica Moldova</p> <p>Denumire: "Modele matematice în abordări interdomenii cu aplicații în inginerie și economie"</p> <p>Acronim: MIEC2010</p> <p>Anul începerii proiectului: 2010</p> <p>Anul finalizării proiectului: 2012</p> <p>Funcția deținută în proiect: Director de proiect</p> <p>Instituția coordonatoare: Universitatea Maritimă Constanța</p> <p>Bugetul total al proiectului: 50 576.0 RON</p> <p>Bugetul intrat în Universitatea Maritimă: 28 140.61 RON</p> <p>Calcul indicator:</p> <p>a) transformare în Euro: 28140.61 RON / 4.6 Euro/RON = 6117.42 Euro</p> <p>b) $S1=6117.42 \text{ Euro} / 1000 = 6.117$</p>	6.117
<p>Identificator: POSDRU/88/1.5/S/60203</p> <p>Tip proiect: POSDRU</p> <p>Denumire: "Dezvoltarea de cariere științifice competitive prin programe de burse doctorale"</p> <p>Acronim: COMPETE</p> <p>Anul începerii proiectului: 2010</p> <p>Anul finalizării proiectului: 2013</p> <p>Funcția deținută în proiect: Responsabil de proiect din partea Universității Maritime din Constanța</p> <p>Instituția coordonatoare: Universitatea 'Politehnica' București</p> <p>Bugetul total al proiectului: 20 486 460.0 RON</p> <p>Bugetul intrat în Universitatea Maritimă: 382 967.77 RON</p> <p>Calcul indicator:</p> <p>a) transformare în Euro: 382967.77 RON / 4.5 Euro/RON = 85103.948 Euro</p> <p>b) $S1=85103.948 \text{ Euro} / 1000 = 85.103$</p>	85.103

<p>Identificator: POSDRU/107/1.5/S/76909 Tip proiect: POSDRU Denumire: “Valorificarea capitalului uman din cercetare prin burse doctorale” Acronim: ValueDoc Anul începerii proiectului: 2011 Anul finalizării proiectului: 2013 Funcția deținută în proiect: Responsabil de proiect din partea Universității Maritime din Constanța Instituția coordonatoare: Universitatea ‘Politehnica’ București Bugetul total al proiectului: 4 950 167.44 RON Bugetul intrat în Universitatea Maritimă: 164 312.79 RON Calcul indicator: a) transformare în Euro: 164312.79 RON / 4.5 Euro/RON = 36513.953 Euro b) S1=36513.953 Euro / 1000 = 36.513</p>	36.513
Total S1 din care, pentru proiecte de cercetare 45.460 + 23.898 + 6.117 = 75.475	487.565
S2 Membru în echipă la grant/proiect câștigat prin competiție națională sau internațională, proiecte/contracte terți	Suma echivalentă în mii Euro
<p>Identificator: 1546 din 24/08/1990 Tip proiect: Cercetare științifică Denumire: “Elaborarea metodelor și mijloacelor de instruire practică în vederea formării deprinderilor specifice personalului navigant la studenții Institutului – Standuri specializate” Acronim: - Anul începerii proiectului: Faza a III-a → 1992 Anul finalizării proiectului: Faza a III-a → 1992 Funcția deținută în proiect: Cercetător Instituția coordonatoare: Institutul de Marină Civilă Constanța Bugetul total al proiectului: Faza a III-a → 3420000 lei Bugetul instituției coordonatoare: Faza a III-a → 3420000 lei Bugetul alocat cercetătorului (manoperă): 104291.43 lei Calcul indicator: a) transformare în USD: 104291.43 lei / 475 USD/lei = 219.56 USD b) se echivalează 1 USD → 1 Euro c) S2=219.56 Euro / 1000 = 0.219</p>	0.219
<p>Identificator: 1748 din 09/07/1992 Tip proiect: Cercetare experimentală a tensiunilor mecanice Beneficiar: Petromar SA Denumire: “Analiza experimentală și teoretică a stărilor de tensiuni în punctele periculoase ale inelului de compensare din jurul racordului R12 al vasului tampon nr de fabricație 31404 / 1985, de la Terminal Midia Năvodari” Acronim: - Anul începerii proiectului: 1992 Anul finalizării proiectului: 1992 Funcția deținută în proiect: Cercetător Instituția coordonatoare: Institutul de Marină Civilă Constanța Bugetul total al proiectului: 1034775.60 lei Bugetul instituției coordonatoare: 1034775.60 lei Bugetul alocat cercetătorului (manoperă): (200 h + 200 h) x 131 ≈ 50000 lei Calcul indicator: a) transformare în USD: 50000 lei / 475 USD/lei = 105.26 USD b) se echivalează 1 USD → 1 Euro c) S2=125.26 Euro / 1000 = 0.125</p>	0.125

<p>Identificator: 5050 din 07/07/1993</p> <p>Tip proiect: Cercetare științifică</p> <p>Denumire: “Studiul distribuției de tensiuni în placa dreptunghiulară groasă cu concentrator”</p> <p>Acronim: -</p> <p>Anul începerii proiectului: Faza I → 1993</p> <p>Anul finalizării proiectului: Faza I → 1993</p> <p>Funcția deținută în proiect: Cercetător</p> <p>Instituția coordonatoare: Institutul de Marină Civilă Constanța</p> <p>Bugetul total al proiectului: Faza I → 500000 lei</p> <p>Bugetul instituției coordonatoare: Faza I → 500000 lei</p> <p>Bugetul alocat cercetătorului (manoperă): 57996.0 lei</p> <p>Calcul indicator:</p> <p>a) transformare în USD: $57996.0 \text{ lei} / 1000 \text{ USD/lei} = 57.996 \text{ USD}$</p> <p>b) se echivalează 1 USD → 1 Euro</p> <p>c) $S2=57.99 \text{ Euro} / 1000 = 0.057$</p>	0.057
<p>Identificator: 576B din 05/09/1994</p> <p>Tip proiect: Cercetare științifică</p> <p>Denumire: “Analiza și evaluarea comportării post-elastice neliniare, până la stadiul ultim, cu evidențierea rezervelor de rezistență ale structurilor utilizând MEF și PAC”</p> <p>Acronim: -</p> <p>Anul începerii proiectului: 1994</p> <p>Anul finalizării proiectului: 1994</p> <p>Funcția deținută în proiect: Cercetător</p> <p>Instituția coordonatoare: Institutul de Marină Civilă Constanța</p> <p>Bugetul total al proiectului: 2500000 lei</p> <p>Bugetul instituției coordonatoare: 2500000 lei</p> <p>Bugetul alocat cercetătorului: 159696.0 lei</p> <p>Calcul indicator:</p> <p>a) transformare în USD: $159696.0 \text{ lei} / 1850 \text{ USD/lei} = 86.32 \text{ USD}$</p> <p>b) se echivalează 1 USD → 1 Euro</p> <p>c) $S2=86.32 \text{ Euro} / 1000 = 0.086$</p>	0.086
<p>Identificator: 3030 din 1994</p> <p>Tip proiect: Cercetare științifică</p> <p>Denumire: “Studiul distribuției de tensiuni în placa dreptunghiulară groasă cu concentrator”</p> <p>Acronim: -</p> <p>Anul începerii proiectului: Faza a II-a → 1994</p> <p>Anul finalizării proiectului: Faza a II-a → 1994</p> <p>Funcția deținută în proiect: Cercetător</p> <p>Instituția coordonatoare: Institutul de Marină Civilă Constanța</p> <p>Bugetul total al proiectului: Faza a II-a → 3300000 lei</p> <p>Bugetul instituției coordonatoare: Faza a II-a → 3300000 lei</p> <p>Bugetul alocat cercetătorului (manoperă): 151092.0 lei</p> <p>Calcul indicator:</p> <p>a) transformare în USD: $151092.0 \text{ lei} / 1850 \text{ USD/lei} = 81.671 \text{ USD}$</p> <p>b) se echivalează 1 USD → 1 Euro</p> <p>c) $S2=81.671 \text{ Euro} / 1000 = 0.081$</p>	0.081

<p>Identificator: 555 din 07/07/1994</p> <p>Tip proiect: Cercetare experimentală a tensiunilor mecanice</p> <p>Beneficiar: UM02190</p> <p>Denumire: “Determinări tensometrice și interpretarea rezultatelor pentru piesele speciale ale navei proiect 1316”</p> <p>Acronim: -</p> <p>Anul începerii proiectului: 1994</p> <p>Anul finalizării proiectului: 1994</p> <p>Funcția deținută în proiect: Cercetător</p> <p>Instituția coordonatoare: Institutul de Marină Civilă Constanța</p> <p>Bugetul total al proiectului: 2685672 lei</p> <p>Bugetul instituției coordonatoare: 2685672 lei</p> <p>Bugetul alocat cercetătorului (manoperă): $566 * 160 = 90560$ lei</p> <p>Calcul indicator:</p> <p>a) transformare în USD: $90560 \text{ lei} / 1850 \text{ USD/lei} = 48.95 \text{ USD}$</p> <p>b) se echivalează 1 USD → 1 Euro</p> <p>c) $S2=48.95 \text{ Euro} / 1000 = 0.049$</p>	0.049
<p>Identificator: 4030 din 1995</p> <p>Tip proiect: Cercetare științifică</p> <p>Denumire: “Studiul numeric și experimental al motoarelor navale”, cod program 4.1.1.10</p> <p>Acronim: -</p> <p>Anul începerii proiectului: Faza I → 1995</p> <p>Anul finalizării proiectului: Faza I → 1995</p> <p>Funcția deținută în proiect: Cercetător</p> <p>Instituția coordonatoare: Institutul de Marină Civilă Constanța</p> <p>Bugetul total al proiectului: Faza I → 800000 lei</p> <p>Bugetul instituției coordonatoare: Faza I → 800000 lei</p> <p>Bugetul alocat cercetătorului (manoperă): = 80000 lei</p> <p>Calcul indicator:</p> <p>a) transformare în USD: $80000 \text{ lei} / 2000 \text{ USD/lei} = 40.0 \text{ USD}$</p> <p>b) se echivalează 1 USD → 1 Euro</p> <p>c) $S2=40.0 \text{ Euro} / 1000 = 0.040$</p>	0.040
<p>Identificator: 4030 din 1995</p> <p>Tip proiect: Cercetare științifică</p> <p>Denumire: “Studiul numeric și experimental al motoarelor navale”, cod program 4.1.1.10</p> <p>Acronim: -</p> <p>Anul începerii proiectului: Faza a II-a → 1996</p> <p>Anul finalizării proiectului: Faza a II-a → 1996</p> <p>Funcția deținută în proiect: Cercetător</p> <p>Instituția coordonatoare: Institutul de Marină Civilă Constanța</p> <p>Bugetul total al proiectului: Faza a II-a → 4000000 lei</p> <p>Bugetul instituției coordonatoare: Faza a II-a → 4000000 lei</p> <p>Bugetul alocat cercetătorului (manoperă): = 250688 lei</p> <p>Calcul indicator:</p> <p>a) transformare în USD: $250688 \text{ lei} / 3100 \text{ USD/lei} = 80.87 \text{ USD}$</p> <p>b) se echivalează 1 USD → 1 Euro</p> <p>c) $S2=80.87 \text{ Euro} / 1000 = 0.081$</p>	0.081

<p>Identificator: Înreg. 21239 din 29/07/1996 Camera de muncă, D.M.P.S. Constanța</p> <p>Tip proiect: Cercetare experimentală a tensiunilor mecanice</p> <p>Beneficiar: S.C. Energia S.A. Constanța</p> <p>Denumire: “Expertiza tehnică a unei butelii de SO₂”</p> <p>Anul începerii proiectului: 1996</p> <p>Anul finalizării proiectului: 1996</p> <p>Funcția deținută în proiect: Cercetător</p> <p>Instituția coordonatoare: Institutul de Marină Civilă Constanța</p> <p>Bugetul total al proiectului: -</p> <p>Bugetul instituției coordonatoare: -</p> <p>Bugetul alocat cercetătorului (manoperă): = 169600 lei</p> <p>Calcul indicator:</p> <p>a) transformare în USD: 169600 lei / 3100 USD/lei = 54.71 USD</p> <p>b) se echivalează 1 USD → 1 Euro</p> <p>c) S2=54.71 Euro / 1000 = 0.054</p>	0.054
<p>Identificator: EUREKA / ITEA02027</p> <p>Tip proiect: Cercetare științifică</p> <p>Denumire: “Large Scale Collaborative decision support Technology”</p> <p>Acronim: LASCOT</p> <p>Anul începerii proiectului: 2004</p> <p>Anul finalizării proiectului: 2005</p> <p>Funcția deținută în proiect: Senior Researcher</p> <p>Instituția coordonatoare: Vrije Universiteit Brussels</p> <p>Bugetul total al proiectului:</p> <p>Bugetul instituției coordonatoare: 412279.5 Euro</p> <p>LASCOT: Invitație; Website; Recomandare pag. 1 (buget), pag. 2</p> <p>Alte referințe: 1, 2.</p> <p>Bugetul alocat cercetătorului (salariu): 1700 Euro x 12 = 20400 Euro</p> <p>Calcul indicator: S2=20400 Euro : 1000 = 20.4</p>	20.4
<p>Identificator: PN-III-P1-1.2-PCCDI-2017-0404/31PCCDI/2018</p> <p>Tip proiect: PN</p> <p>Denumire: “Holistica impactului surselor regenerabile de energie asupra mediului și climei”</p> <p>Acronim: HORESEC</p> <p>Anul începerii proiectului: 2018</p> <p>Anul finalizării proiectului: 2020</p> <p>Funcția deținută în proiect: Membru în echipa UMC</p> <p>Instituția coordonatoare: Universitatea Maritimă din Constanța</p> <p>Bugetul total al proiectului: 5 287 500.0 RON</p> <p>Bugetul intrat în Universitatea Maritimă: 1 612 928.0 RON</p> <p>Bugetul repartizat subsemnatului: 200 RON (salariu)</p> <p>Calcul indicator:</p> <p>a) transformare în Euro: 200 RON / 4.7 Euro/RON = 42.553 Euro</p> <p>b) S2=42.553 Euro / 1000 = 0.042</p>	0.042
Total S2 din care, pentru proiecte de cercetare 21.234 - 0.042 = 21.192	21.234
Total S1 + S2 = 487.565 + 21.234 = 508.799; pentru cercetare 75.475 + 21.192 = 96.667	508.799
N5 Prezentarea/Diseminarea rezultatelor: prezență la manifestări științifice în calitate de autor / co-autor de lucrări, profesor invitat	Punctaj

<p>The 3rd International Conference on BOUNDARY and FINIT ELEMENT, ELFIN3, Constanta, 25-27 Mai 1995, Romania</p> <p>1.1 Garabet Kumbetlian, Emil Oanta, <i>The Modelling of Behaviour of Thick Bended Plates</i>, Section 2.1, pp. 133-139.</p> <p>1.2 Mircea Ieremia, Emil Oanta, Considerations Regarding the Actual Trends in the CAD Using the FEM, Section 4, pp. 29-33.</p> <p>1.3 Emil Oanta, "Matrix" Variable Type. Improvements and Applications, Section 4, pp. 44-49.</p> <p>Referințe: https://drive.google.com/file/d/0B1yzjO-hA723NnVaemFwRkUzQnM/ https://drive.google.com/file/d/0B1yzjO-hA723WHdNWDd3c1ZjWTg/</p>	1
<p>The 8th Congress of the International Maritime Association of Mediterranean, IMAM1997</p> <p>2.1 Emil Oanță, Daniela Comăniță, <i>An Advanced Computer Method for the Handling of the Large Matrices</i>.</p> <p>2.2 Emil Oanță, <i>Expert System for Book-Keeping Activities of a Survey Maritime Company</i>.</p> <p>Referințe: https://drive.google.com/file/d/0B1yzjO-hA723aXFQa0R1TUNKa1k/</p>	1
<p>SAE 2000 World Congress, Detroit, Michigan, March 6-9, 2000</p> <p>3.1 Oanță, E., Taraza, D., <i>Experimental Investigation of the Strains and Stresses in the Cylinder Block of a Marine Diesel Engine</i>, Paper 2000-01-0520, Proceedings of the SAE 2000 World Congress, Detroit, Michigan, March 6-9, 2000, ISSN 0148-7191, DOI: 10.4271/2000-01-0520, http://papers.sae.org/2000-01-0520/.</p> <p>Referințe: https://drive.google.com/file/d/0B1yzjO-hA723WlZXcWZSYzZ5TGM/ https://drive.google.com/file/d/0B1yzjO-hA723WE85MXowenpfUWs/ https://drive.google.com/file/d/0B1yzjO-hA723WHFMSk14R0ZhS2c/ https://drive.google.com/file/d/0B1yzjO-hA723NEZVU0lkQIVTYWs/</p>	1
<p>The 13th Congress of the International Maritime Association of Mediterranean, IMAM2009</p> <p>4.1 Emil Oanță, Simona Dinu, <i>Computer Based Models in Education and Research</i>, Proceedings of The 13th International Congress of the International Maritime Association of the Mediterranean - IMAM2009, Section 5-1 Marine Transportation - Simulation, 12-15 Oct 2009, Istanbul, Turkey, ISBN (Set) 978-975-561-355-0, ISBN Vol. III 978-975-561-358-1, Faculty of Naval Architecture and Ocean Engineering, 2009, pp. 941-946.</p> <p>Referințe: https://drive.google.com/file/d/0B1yzjO-hA723eTN3VndHVGxOZIU/ https://drive.google.com/file/d/0B1yzjO-hA723VTVHYjljRU1tUHc/ https://drive.google.com/file/d/0B1yzjO-hA723N0FsTzRwWHRNX28/</p>	1
<p>The 4th International Conference on Knowledge Management: Projects, Systems and Technologies, "Carol I" National Defense University, November 6th -7th 2009, Bucharest, ROMANIA</p> <p>5.1 Emil OANȚĂ, Ilie TAMAȘ, Ioan ODĂGESCU, <i>A PROPOSAL FOR A KNOWLEDGE MANAGEMENT SYSTEM FOR EMERGENCY SITUATIONS</i>.</p> <p>Referințe: https://drive.google.com/file/d/0B1yzjO-hA723UXRDLVRHcWd4d1E/ https://drive.google.com/file/d/0B1yzjO-hA723aTJJZl9BTGJDY1k/</p>	1

<p>Erasmus Program, Varna, Bulgaria</p> <p>Referințe: https://drive.google.com/open?id=1X91XUAZQKd-iwG2hqnTnek6hJYddqp5f https://drive.google.com/open?id=0B1yzjO-hA723OGtaYmVQV3lsUmM https://drive.google.com/open?id=0B1yzjO-hA723LUtGeVY2Tzd6MHM https://drive.google.com/file/d/1EvD75Yy5tWJnFFT5P21tj25a8YIa4XXs</p>	1
<p>SEAMA2010 - European Conference on Science Education At Maritime Academies, Organized by Hogere Zeevaartschool Antwerpen - Antwerp Maritime Academy, Antwerp, May 31-June 2, 2010</p> <p>7.1 Emil Oanță, <i>Applied Elasticity Discipline in the Framework of the Maritime Studies</i>.</p> <p>Referințe: https://drive.google.com/file/d/0B1yzjO-hA723QTJLbINVdTRMRTg/ https://drive.google.com/file/d/0B1yzjO-hA723dGJqdUVSMUgyTDQ/ https://drive.google.com/file/d/0B1yzjO-hA723WV9wU3pOQINJU3c/ https://drive.google.com/file/d/0B1yzjO-hA723ZUttcUZUc1ZyYjg/ https://drive.google.com/file/d/0B1yzjO-hA723ZUttcUZUc1ZyYjg/</p>	1
<p>7th International Conference on Management of Technological Changes, September 1st-3rd, 2011, Alexandroupolis, Greece, Editor: Costache Rusu, Vol II, ISBN (Vol. II) 978-960-99486-3-0, ISBN 978-960-99486-1-6, Democritus University of Thrace</p> <p>8.1 Emil Oanță, Mihaela Bărhălescu, Adrian Sabău, <i>Management of Change Based on Creative Inter-Domain Syntheses</i>. 8.2 Mihaela Bărhălescu, Emil Oanță, Adrian Sabău, <i>Technological Changes Induced by the Thin Superficial Layers Applied on Commonly Used Materials</i>. 8.3 Mihaela Bărhălescu, Adrian Sabău, Emil Oanță, <i>Reasons To Acquire A More Accurate Knowledge About Corrosion Resistance In Maritime Engineering Education</i>. 8.4 Adrian Sabău, Emil Oanță, Mihaela Bărhălescu, <i>Impact Of The Use Of The Modern Methods In The Training Of Marine Engineer Cadets</i>. 8.5 Adrian Sabău, Mihaela Bărhălescu, Emil Oanță, <i>Simulation Programs in Teaching Activity</i>.</p> <p>Referințe: https://drive.google.com/file/d/0B1yzjO-hA723WXI2bmJlbjMzNG8/</p>	1
<p>ModTech International Conference, Modern Technologies in Industrial Engineering, June 27-29, 2013, Sinaia, Romania</p> <p>9.1 Emil Oanță, Cornel Panait, Aspects Regarding the Hybrid Models in Engineering, Invited Lecture, doi:10.4028/www.scientific.net/AMR.837.141. 9.2 Emil Oanță, <i>Original Computer Based Solutions in Structural Studies</i>, doi:10.4028/www.scientific.net/AMR.837.440. 9.3 Alexandra Raicu, Emil Oanță, <i>Modern education facilities for CAD/CAM/CAE training of the future maritime engineers</i>, doi:10.4028/www.scientific.net/AMR.837.769.</p> <p>Referințe: https://drive.google.com/file/d/0B1yzjO-hA723VXcxNFhhZkZ4NGs/ https://drive.google.com/file/d/0B1yzjO-hA723UFc0NGc5STB3dVU/ https://drive.google.com/file/d/0B1yzjO-hA723RksyVVJNZEZoMkk/</p>	1

<p>11th WSEAS International Conference on ENVIRONMENT, ECOSYSTEMS and DEVELOPMENT (EED '13), Brasov, Romania, June 1-3, 2013</p> <p>10.1 Emil Oanță, Cornel Panait, Gheorghe Lăzăroiu, Anca-Elena Dăscălescu, <i>Analytic Model of the Mobile Half-Bridge of a Circular Settling Tank</i>.</p> <p>Referințe: https://drive.google.com/file/d/0B1yzjO-hA723Q29YUktJaGRpaEk/ https://drive.google.com/file/d/0B1yzjO-hA723a19tRDJTR2JDT0U/</p>	1
<p>ATOM-N Conference, 21-24 August 2014, Constanta, Romania</p> <p>11.1 Emil M. Oanță, Cornel Panait, Gheorghe Lăzăroiu, Alexandra Raicu, Tiberiu Axinte, Anca-Elena Dăscălescu, <i>Conceiving a hybrid model of a weighting device</i>, doi:10.1117/12.2069927; http://dx.doi.org/10.1117/12.2069927.</p> <p>11.2 Emil M. Oanță, Cornel Panait, Mihaela Bărhălescu, Adrian Sabău, Constantin Dumitrache, Anca-Elena Dăscălescu, <i>Original computer method for the experimental data processing in photoelasticity</i>, doi:10.1117/12.2070409; http://dx.doi.org/10.1117/12.2070409.</p> <p>Referințe: https://drive.google.com/file/d/0B1yzjO-hA723UWpyRVJYbFdnNkk/</p>	1
<p>ModTech International Conference, Modern Technologies in Industrial Engineering, June 17-20, 2015, Mamaia, Romania</p> <p>12.1 Oanță Emil, Cornel Panait, Alexandra Raicu, Mihaela Bărhălescu, Tiberiu Axinte, <i>Approximation Method to Compute Domain Related Integrals in Structural Studies</i>, iopscience.iop.org/article/10.1088/1757-899X/95/1/012124/pdf.</p> <p>12.2 Oanță Emil, Cornel Panait, Adrian Sabău, Constantin Dumitrache, Anca-Elena Dăscălescu, <i>Data Filtration Original Algorithm for the Computer Based Calculus of the Stresses within an Analytical Model</i>, http://modtech.ro/international-journal/vol7no22015/14_Oanta_Emil.pdf.</p> <p>Referințe: https://drive.google.com/file/d/0B1yzjO-hA723Rk9HelN3dU9ncmM/ https://drive.google.com/file/d/0B1yzjO-hA723bHpKRV92SzRVUzg/</p>	1
<p>ATOM-N 2016 Conference, 25-28 August 2016, Constanta, Romania</p> <p>13.1 Emil M. Oanță, Alin Dănișor, Răzvan Tamaș, <i>Study regarding the spline interpolation accuracy of the experimentally acquired data</i>, Invited Lecture, doi:10.1117/12.2242996; http://dx.doi.org/10.1117/12.2242996.</p> <p>13.2 Emil M. Oanță, Cornel Panait, Alexandra Raicu, <i>Original data preprocessor for Femap/Nastran</i>, doi:10.1117/12.2243000; http://dx.doi.org/10.1117/12.2243000.</p> <p>13.3 Emil M. Oanță, Cornel Panait, Alexandra Raicu, Mihaela Bărhălescu, <i>Original analytic solution of a half-bridge modelled as a statically indeterminate system</i>, doi:10.1117/12.2243003; http://dx.doi.org/10.1117/12.2243003.</p> <p>13.4 Emil M. Oanță, Anca-Elena Dăscălescu, Adrian Sabău, <i>Original analytical model of the hydrodynamic loads applied on the half-bridge of a circular settling tank</i>, doi:10.1117/12.2243009; http://dx.doi.org/10.1117/12.2243009.</p> <p>13.5 Alexandra Raicu, Emil Oanță, <i>PLM in the context of the maritime virtual education</i>.</p> <p>Referințe: https://drive.google.com/file/d/0B1yzjO-hA723T1poUU5MSEdPV1E/ https://drive.google.com/file/d/0B1yzjO-hA723T1FpaXh3RkZ2TDA/ https://drive.google.com/file/d/0B1yzjO-hA723SF8takE0Rm5nWmM/ https://drive.google.com/file/d/0B1yzjO-hA723dlpmbWN4RTduaHM/</p>	1

<p>ModTech International Conference, Modern Technologies in Industrial Engineering, June 15-18, 2016, Iasi, Romania</p> <p>14.1 Emil Oanță, Cornel Panait, Alexandra Raicu, Mihaela Bărhălescu, Tiberiu Axinte, <i>Calculus domains modelled using an original bool algebra based on polygons</i>, doi:10.1088/1757-899X/145/8/082011, http://iopscience.iop.org/article/10.1088/1757-899X/145/8/082011/pdf.</p> <p>14.2 Emil Oanță, Cornel Panait, Adrian Sabău, Mihaela Bărhălescu, Anca-Elena Dăscălescu, <i>Assumption tests regarding the 'narrow' rectangles dimensions of the open thin wall sections</i>, doi:10.1088/1757-899X/145/8/082010, http://iopscience.iop.org/article/10.1088/1757-899X/145/8/082010/pdf.</p> <p>14.3 Anca-Elena Dăscălescu, Gheorghe Lăzăroiu, Andrei-Alexandru Scupi, Emil Oanță, <i>Model of the hydrodynamic loads applied on a rotating half-bridge belonging to a circular settling tank</i>, doi:10.1088/1757-899X/145/4/042008, http://iopscience.iop.org/article/10.1088/1757-899X/145/4/042008.</p> <p>14.4 Anca-Elena Dăscălescu, Gheorghe Lăzăroiu, Andrei-Alexandru Scupi, Emil Oanță, <i>Finite elements model of a rotating half-bridge belonging to a circular settling tank</i>, doi:10.1088/1757-899X/145/4/042007, http://iopscience.iop.org/article/10.1088/1757-899X/145/4/042007/pdf.</p> <p>Referințe: https://drive.google.com/file/d/0B1yzjO-hA723OU05dXZ3RjBYTVU/ https://drive.google.com/file/d/0B1yzjO-hA723Sldhb09oQmV1SVE/ https://drive.google.com/file/d/0B1yzjO-hA723dUROa0h0LVVxSG8/</p>	1
<p>ModTech International Conference, Modern Technologies in Industrial Engineering, June 14-17, 2017, Sibiu, Romania</p> <p>15.1 Emil Oanță, Răzvan Tamaș, Alin Dănișor, <i>Experimental data filtration algorithm</i>.</p> <p>15.2 Emil Oanță, Alexandra Raicu, Cornel Panait, <i>Ideas for the rapid development of the structural models in mechanical engineering</i>.</p> <p>15.3 Eliodor Constantinescu, Emil Oanță, Cornel Panait, <i>Deducing the form factors for shear used in the calculus of the displacements based on strain energy methods. Mathematical approach for currently used shapes</i>.</p> <p>15.4 Alexandra Raicu, Emil Oanță, Adrian Sabău, <i>Making objective decisions in mechanical engineering problems</i>.</p> <p>15.5 Alexandra Raicu, Emil Oanță, Mihaela Bărhălescu, <i>Exploratory analysis regarding the domain definitions for computer based analytical models</i>.</p> <p>Referințe: https://drive.google.com/file/d/0B1yzjO-hA723ZjVksXpzYWt5REk/ https://drive.google.com/file/d/0B1yzjO-hA723akk4a1pBZ0tjN0k/</p>	1
<p>ACME International Conference, - The 8th International Conference on Advanced Concepts in Mechanical Engineering, June 07-08, 2018, Iași, Romania</p> <p>16.1 Emil M. Oanță, Victor Hreniuc, Python Brice, <i>Analytical Model of a Bulb Flat</i>.</p> <p>16.2 Emil M Oanță, Alexandra Raicu, Cornel Panait, <i>New Developments of the Computer Aided Analytical Definition of the Map-Wise Calculus Domains</i>.</p> <p>Referințe: https://drive.google.com/file/d/1Njah_vlDMiTWTV6w8t8t1vdY07ehIKQC/</p>	1

<p>ModTech International Conference, Modern Technologies in Industrial Engineering, June 13-16, 2018, Constanța, Romania</p> <p>17.1 Emil M Oanță, Adrian Sabău, Mihaela Bărhălescu, <i>Calculus of the geometrical characteristics of the sections using CAD/CAE commercial applications.</i></p> <p>17.2 Emil M Oanță, Victor-Coriolan Hreniuc, Constantin-Dănuț Grosu, <i>Effective method used to create the analytical models of large sets of curves – application for the ship hull body plan.</i></p> <p>17.3 Python Brice, Alex Hreniuc, Victor-Coriolan Hreniuc, Emil M Oanță, <i>Discretization method of the ship hull cross sections.</i></p> <p>17.4 Marian Dordescu, Emil M. Oanță, <i>Computer based original method employed to assess the force and the torque on the rudder's shaft.</i></p> <p>Referințe: https://drive.google.com/file/d/1XtpKMqHxjuZBWr9hnygFK01i8v0LEFZ9/ https://drive.google.com/file/d/1rg8GU8tJDGOa5tsy40jViG7R4XzEF89G/</p>	1
<p>ATOM-N 2018 Conference, 23-26 August 2018, Constanta, Romania</p> <p>18.1 Emil M. Oanta, Razvan Tamas, Mirel Paun, <i>General Solving Concepts in Models' Design – Plenary session paper.</i></p> <p>18.2 Emil M. Oanta, Alexandru Pescaru, Alexandru Micu, <i>Upgraded Original Automatic Interpolation Data Processor.</i></p> <p>18.3 Emil M. Oanta, Alexandru Pescaru, Gheorghe Lazaroiu, <i>General Data Structure for the Dynamic Memory Allocation in the Development of the Computer Based Models in Engineering.</i></p> <p>Referințe: https://drive.google.com/open?id=1JSofb7LFzbYIO2fMpb5EK-qyUyx7R301</p>	1
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<p>Lucrare care citează:</p> <p>M. D. Azaman, S. M. Sapuan, S. Sulaiman, E. S. Zainudin, A. Khalina, "Numerical Simulation Analysis of Unfilled and Filled Reinforced Polypropylene on Thin-Walled Parts Formed Using the Injection-Moulding Process", International Journal of Polymer Science, 2015, Article Number: 659321, DOI: 10.1155/2015/659321.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723NHfYUm9iUVFrMjQ/</p> <p>FI conform WoS: https://drive.google.com/file/d/0B1yzjO-hA723aFp3NTBla0QtUGs/</p> <p>IF=1.000 in 2015; IF=1.077 in 2016; IF=1.718 in 2017</p> <p>C=C1+SFI=1+1.000=2.000</p>	2.0
<p>Lucrare care citează:</p> <p>Vargas Carlos, Sierra Juan, Posada Juan, Botero-Cadavid Juan F., "Analysis and modeling of simulated residual stress of mold injected plastic parts by using robust correlations", MATERIA-RIO DE JANEIRO, Volume 22, Issue 4, Article Number: UNSP e-11894, DOI: 10.1590/S1517-707620170004.0228, Published: 2017, ISSN: 1517-7076.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723SUs4M0l5YUEybms/</p> <p>FI conform WoS: https://drive.google.com/file/d/0B1yzjO-hA723Y2tmUGp5aU1vMm8/</p> <p>IF=0.34 in 2017</p> <p>C=C1+SFI=1+0.34=1.34</p>	1.34
<p>Lucrare citată:</p> <p>Sabău Adrian, Oanta Emil, "Soot Modeling in Diesel Engine", Proceedings of the International Conference on Environmental and Geological Science and Engineering, ISSN 1792-4685, ISBN 978-960-474-221-9, pp. 126-131, Constantza Maritime University, Constantza, Romania, September 3-5, 2010.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723SjFWTzBHV21xMDQ/</p>	
<p>Lucrare care citează:</p> <p>Yamamoto Shohei, Watanabe Shotaru, Komada Keisuke, Sakaguchi Daisaku, Ueki Hironobu, Ishida Masahiro, "Effect of fuel mass distribution on ethanol combustion in diesel engine", Proceedings of the "Conference: 1st International Conference on Renewable Energy Research and Applications (ICRERA)", Nagasaki, JAPAN, Nov 11-14 2012, ISBN: 978-1-4673-2328-4, ISBN: 978-1-4673-2329-1, ISSN: 2377-6897.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723ay1SUVJTQTZMUm8/</p>	1

<p>Lucrare care citează:</p> <p>Yamamoto Shohei, Watanabe Shotaru, Komada Keisuke, Sakaguchi Daisaku, Ueki Hironobu, Ishida Masahiro, "Study on Combustion and Soot Emission of Ethanol or Butanol Blended with Gas Oil in a Direct Injection Diesel Engine", 2013, SAE International Journal of Fuels and Lubricants, 6 (3), DOI: 10.4271/2013-32-9112. Scopus: https://drive.google.com/file/d/1DwMgEjAX3H8jxWKjZ4d7ZQ982nN-fqKQ/</p>	1
<p>Lucrare citată:</p> <p>Oanta, E.; Panait, C.; Batrinca, G. & Pescaru, A.: "Computer Based Educational Model of the Bent Hull in the Context of the Maritime Education", Annals of DAAAM for 2011 & Proceedings of the 22nd International DAAAM Symposium, ISBN 978-3-901509-83-4, ISSN 1726-9679, pp 0503-0504, Editor B[ranko] Katalinic, Published by DAAAM International, Vienna, Austria, November 23-26, 2011. Scopus: https://drive.google.com/file/d/0B1yzjO-hA723VkvVaelRDUV95SXM/</p>	
<p>Lucrare care citează:</p> <p>T Axinte, C Nutu, C Stanca, O Cupsa, A Carp, "Advanced analysis of the transverse bulkhead of the a general cargo ship", IOP Conf. Series: Materials Science and Engineering 145 (2016) 082004 doi:10.1088/1757-899X/145/8/082004. WoS: https://drive.google.com/file/d/0B1yzjO-hA723Y1lUOTVVbFcteU0/</p>	1
<p>Lucrare care citează:</p> <p>V Hreniuc, A Hreniuc, A Pescaru, "Assessment regarding the use of the computer aided analytical models in the calculus of the general strength of a ship hull", ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012059. WoS: https://drive.google.com/file/d/0B1yzjO-hA723OW9TbFMza2VMSUk/</p>	1
<p>Lucrare citată:</p> <p>Alexandra Raicu, Emil Oanță, "Modern education facilities for CAD/CAM/CAE training of the future maritime engineers", Proceedings of the ModTech2013 International Conference – "Advanced Materials Research", 27-29 June 2013, Sinaia, Romania, Vol. Modern Technologies in Industrial Engineering – TRANS TECH PUBLICATIONS, ISBN-978-3-03785-929-2, Advanced Material Research Vol. 837, (2014) 99 769-774, (2014) Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMR.837.769. WoS: https://drive.google.com/file/d/0B1yzjO-hA723cGZOb3pEOEYwcW8/</p>	
<p>Lucrare care citează:</p> <p>George Kabouridis, Georgios I. Giannopoulos & Sotirios A. Tsirkas, "On the development of course interconnections within a mechanical engineering training programme via single CAD/CAM/CAE software", World Transactions on Engineering and Technology Education, (C) 2015, WIETE Vol.13, No.3, 2015. Scopus: https://drive.google.com/file/d/0B1yzjO-hA723dEkyZ1lmdEk5RkE/</p>	1
<p>Lucrare care citează:</p> <p>T Axinte, C Nutu, C Stanca, O Cupsa, A Carp, "Aspects regarding analysis of the work deck from a support vessel", IOP Conf. Series: Materials Science and Engineering, vol. 145 (2016) 082005 doi:10.1088/1757-899X/145/8/082005. WoS: https://drive.google.com/file/d/0B1yzjO-hA723YjZHdDZnc3ZtUEE/</p>	1
<p>Lucrare citată:</p> <p>Sabau, A.; Barhalescu, M. L. & Oanta, E.: "Modeling of High-Pressure Fuel Injection Systems", Annals of DAAAM for 2012 & Proceedings of the 23rd International DAAAM Symposium, Zadar, Croatia, Oct 24-27, 2012, ISBN 978-3-901509-91-9, ISSN 2304-1382, pp 1019 - 1022, Editor B[ranko] Katalinic, Published by DAAAM International, Vienna, Austria 2012. WoS: https://drive.google.com/file/d/0B1yzjO-hA723ZWtDMjFZanR4T3c/</p>	
<p>Lucrare care citează:</p> <p>Raz, K., Zahalka, M., Polak, R., "Injection molding simulations of hardly producible parts from PBT", (2016) Annals of DAAAM and Proceedings of the International DAAAM Symposium, 27 (1), pp. 501-505, DOI: 10.2507/27th.daaam.proceedings.075, ISSN: 1726-9679. Scopus: https://drive.google.com/file/d/1xQg8Iqb0oRPFq8JNlYdZcMPWS_a09P/</p>	1

<p>Lucrare care citează:</p> <p>Grzadziela Andrzej, Zaleska-Fornal Agata, Kluczyak Marcin, "Diagnostic Model of Fuel Installation of Marine Diesel Engine", TRANSACTIONS ON MARITIME SCIENCE-TOMS, Volume: 6; Issue: 2; Pages: 93-108; DOI: 10.7225/toms.v06.n02.001; Published: OCT 2017.</p> <p>WoS: https://drive.google.com/file/d/1nkCXnRypgaeLHI5zSTrVZSPp-ea4JKQI/</p>	1
<p>Lucrare citată:</p> <p>Emil Oanta, Cornel Panait, "Aspects Regarding the Hybrid Models in Engineering", Invited Lecture, Proceedings of the ModTech2013 International Conference – "Advanced Materials Research", 27-29 June 2013, Sinaia, Romania, Vol. Modern Technologies in Industrial Engineering – TRANS TECH PUBLICATIONS, ISBN-978-3-03785-929-2, Advanced Material Research Vol. 837, (2014) 99 141-146, (2014) Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMR.837.141.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723cVE0MVRtMkFxFxLU0/</p>	
<p>Lucrare care citează:</p> <p>V Hreniuc, A Hreniuc, A Pescaru, "Assessment regarding the use of the computer aided analytical models in the calculus of the general strength of a ship hull", ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012059.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723OW9TbFMza2VMSUk/</p>	1
<p>Lucrare citată:</p> <p>Emil Oanta, Cornel Panait, Gheorghe Lazaroiu, Anca-Elena Dascalescu, "Computer Aided Instrument to Be Used as an Automatic Design Component", ModTech2014 International Conference, 13-16 July 2014, Gliwice, Poland, Advanced Materials Research, Vol. 1036, pp. 1017-1022, 2014.</p> <p>Scopus: https://drive.google.com/file/d/0B1yzjO-hA723ZII2OVdqQjQ3SIU/</p>	
<p>Lucrare care citează:</p> <p>A Raicu, G Raicu, "Innovation in engineering education through computer assisted learning and virtual university model", IOP Conference Series: Materials Science and Engineering, IOP Conf. Series: Materials Science and Engineering, Vol. 95, (2015) 012126, doi:10.1088/1757-899X/95/1/012126.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723WHVubnJmT1JWUHM/</p> <p>Scopus: https://drive.google.com/file/d/1iDCpvjVq2SOTG7NGDNvzR61Ba4yHjS-j/</p>	1
<p>Lucrare citată:</p> <p>Emil Oanta, Eliodor Constantinescu, Alexandra Raicu, Tiberiu Axinte, "Analytic General Solution Employed to Calculate the Geometrical Characteristics in Structural Problems", ModTech2014 International Conference, 13-16 July 2014, Gliwice, Poland, Scientific.Net Publications, Vol 1036 of Advanced Materials Research, pp 697-702, ISSN 102-660, ISBN-13: 978-3-03835-255-6, doi: 10.4028/www.scientific.net/AMR.1036.697.</p> <p>Scopus: https://drive.google.com/file/d/1v5QLfUQSXGRJI0h8NY71cF7jqPxdcNZf/</p>	
<p>Lucrare care citează:</p> <p>V Hreniuc, A Hreniuc, A Pescaru, "Assessment regarding the use of the computer aided analytical models in the calculus of the general strength of a ship hull", ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012059.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723OW9TbFMza2VMSUk/</p>	1
<p>Lucrare citată:</p> <p>Oanță Emil, Cornel Panait, Adrian Sabău, Constantin Dumitrache, Anca-Elena Dăscălescu, "Data Filtration Original Algorithm for the Computer Based Calculus of the Stresses within an Analytical Model", Proceedings of the ModTech2015 Conference, 17-20 June 2015, Mamaia, Romania.</p> <p>Scopus: https://drive.google.com/file/d/0B1yzjO-hA723b0JjNFVoZW4QTQ/</p>	
<p>Lucrare care citează:</p> <p>A Wrobel, M Placzek, A Buchacz, A Slomiany, "Simulation of stress in an innovative combination of composite with metal sheet", IOP Conf. Series: Materials Science and Engineering 145 (2016) 042010 doi:10.1088/1757-899X/145/4/042010.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723Vk5vdEIJME1NZIk/</p>	1

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<p>Lucrare care citează:</p> <p>G Belgiu, C Cărașu, D Șerban, C G Turc, "Product management of making large pieces through Rapid Prototyping PolyJet® technology", ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012015.</p> <p>WoS: https://drive.google.com/file/d/1KIK1PMhIElXpjxlwaktu1C7IQMompeZD/</p> <p>Scopus: https://drive.google.com/file/d/1XgpeE2OJeN9PE_gp3f2iG0RZ89ffR8oJ/</p>	1
<p>Lucrare care citează:</p> <p>E M Ciortea, "Prototyping manufacturing in the cloud", ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012028.</p> <p>WoS: https://drive.google.com/file/d/1rk-KNqxuQL2XozLMs3DiHgkvV7n5VU-F/</p> <p>Scopus: https://drive.google.com/file/d/13llycVNaRKYWTFQM-8RqomfXqBZlemme/</p>	1
<p>Lucrare citată:</p> <p>Emil Oanta, Cornel Panait, Alexandra Raicu, Mihaela Barhalescu, Tiberiu Axinte, "Calculus domains modelled using an original bool algebra based on polygons", ModTech International Conference - Modern Technologies in Industrial Engineering IV (2016), IOP Conference Series: Materials Science and Engineering, Volume 145, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/145/8/082011.</p> <p>WoS: https://drive.google.com/file/d/1cPLkTBqqu9DSKDgs90Aky0H3_oedUCg9/</p>	
<p>Lucrare care citează:</p> <p>V Hreniuc, A Hreniuc, A Pescaru, "Assessment regarding the use of the computer aided analytical models in the calculus of the general strength of a ship hull", ModTech International Conference - Modern Technologies in Industrial Engineering IV (2017), IOP Conference Series: Materials Science and Engineering, Volume 227, New Materials and Modern Technologies in Marine Engineering, doi:10.1088/1757-899X/227/1/012059.</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723OW9TbFMza2VMSUk/</p>	1
<p>Lucrare citată:</p> <p>Emil M. Oanta, Alin Danisor, Razvan Tamas, "Study regarding the spline interpolation accuracy of the experimentally acquired data", Proc. SPIE 10010, Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies VIII, 1001007 (14 December 2016); doi: 10.1117/12.2242996; https://doi.org/10.1117/12.2242996.</p> <p>WoS: https://drive.google.com/file/d/1TZeoje-U6ZwFbg_iDibHkab5gIM3YWi/</p> <p>Scopus: https://drive.google.com/file/d/1s3rCibXT0kNyszYMpq5kwYuXwXKDJHj/</p>	
<p>Lucrare care citează:</p> <p>A Sabau, "Comparison of two thermodynamic combustion models", IOP Conf. Series: Earth and Environmental Science 172 (2018) 012033, doi: 10.1088/1755-1315/172/1/012033.</p> <p>Scopus: https://drive.google.com/file/d/1xL4XuZkEs_JRojB5yUtnP-jo9FCzDj-/</p>	1
<p>Lucrare citată:</p> <p>Emil M. Oanta, Cornel Panait, Alexandra Raicu, "Original data preprocessor for Femap/Nastran", Proc. SPIE 10010, Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies VIII, 1001020 (December 14, 2016); doi:10.1117/12.2243000; http://dx.doi.org/10.1117/12.2243000</p> <p>WoS: https://drive.google.com/file/d/0B1yzjO-hA723NzQyYkpidVZHVmc/</p>	

<p>Lucrare care citează:</p> <p>Yang Tai, Shuai Guo, Baifu An, Feng Ju, "Analysis of the nonlinear dynamic response of guide rails for a suspended buffer", Editor: Hongbo Zhao, Central South University, CHINA, Publisher: Public Library of Science, ISSN: 1932-6203, PLoS ONE, Volume 14, Issue 1, Published: January 17, 2019, Article number e0210185, https://doi.org/10.1371/journal.pone.0210185</p> <p>Paper: https://drive.google.com/open?id=1vPj_gMK-Iyd5t1p5lmOYY3_IW5Fu2hbO</p> <p>Scopus: https://drive.google.com/open?id=1EUVL2dQub6jnyXN6HWrz_eyZNUpifV6s</p>		1
Total C		56,206
Realizări adiționale, neîncadrate în standardele de mai sus		
Realizări în perioada de studenție		
https://drive.google.com/file/d/1n5kKzdp8vWEsK_obZbOfviYomRTWIxvm/		
Cursuri în perioada postuniversitară		
https://drive.google.com/file/d/1ZcfoYVaUXEq8Fsou4ZIJ6KlACg9mADd/		
Premii, diplome și alte recunoașteri în perioada postuniversitară		
https://drive.google.com/file/d/1sHtbBB61adNyoKwLxfrlgYMXqBMUsTej/		

Constanța, 28 Ianuarie 2019

Conf. Dr. Habil. Ing. Emil M. OANȚĂ

IOSUD Universitatea Maritimă din Constanța
Numele: prof. univ. dr. ing. Paul Bocănete
Domeniul: Inginerie Mecanică (Anexa 17)

FIȘA DE VERIFICARE A INDEPLINIRII STANDARDELOR MINIME NATIONALE

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	4
		N 1.1	Manuale suport de curs prim autor	1	3
		N 1.2	Manuale suport de curs ca și co-autor	0	1
	A 1.2	N2	Material didactic	4	7
		N2.1	Standuri laborator	2	4
Activitate de cercetare științifică, CDI	A 2.1 + A 2.3	N2.2	Indrumar laborator/Carte aplicații	1	3
		P1+ P2	Articole și publicații ISI + Brevete	10	3.1
		P1	Articole și publicații ISI	6	3.1
	A 2.2	N3	Articole și publicații BDI neincluse la P1	10	10
		N3.1	Articole și publicații BDI neincluse la P1, ca prim autor	5	1
	A 2.4 + A 2.5	N4	Monografii / Cărți	2	3
		N4.3	Monografii / Cărți ca prim autor	1	3
Recunoaștere a impactului activității, RIA	A3.1	S1+S2	Granturi	50	2028.14
	A3.2	N5	Prezentarea / Diseminarea rezultatelor	10	10
	A3.3	C	Citări	25	2

DID = N1+N2 = 6 (minim necesar)

Punctaj obținut = 11

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

Punctaj obținut = 16.1

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

Punctaj obținut = 2030.14

**FIȘA DE VERIFICARE A INDEPLINIRII STANDARDELOR
MINIME NATIONALE PE ULTIMII 5 ANI
(25% din punctajul total)**

Condiții minimale pentru profesor / abilitare					
Domeniul de activitate		Indicatori	Descriere	Minim	Obținut
Activitate didactică, profesională, DID	A 1.1	N1	Manuale suport de curs	1	0
		N 1.1	Manuale suport de curs prim autor	1	0
		N 1.2	Manuale suport de curs ca și co-autor	0	0
	A 1.2	N2	Material didactic	1	0
		N2.1	Standuri laborator	1	0
Activitate de cercetare științifică, CDI	A 2.1 + A 2.3	N2.2	Indrumar laborator/Carte aplicații	1	0
		P1+ P2	Articole și publicații ISI + Brevete	2.5	0.4
		P1	Articole și publicații ISI	1.5	0.4
	A 2.2	N3	Articole și publicații BDI neincluse la P1	2.5	0
		N3.1	Articole și publicații BDI neincluse la P1, ca prim autor	1.25	0
	A 2.4 + A 2.5	N4	Monografii / Cărți	1	0
		N4.3	Monografii / Cărți ca prim autor	1	0
Recunoaștere a impactului activității, RIA	A3.1	S1+S2	Granturi	12.5	2028.14
	A3.2	N5	Prezentarea / Diseminarea rezultatelor	2.5	2
	A3.3	C	Citări	6.25	2

DID = N1+N2 = 2 (minim necesar)

Punctaj obținut = 0

CDI = P1+P2+N3+N4 = 6 (minim necesar)

Punctaj obținut = 0.4

RIA = S1+S2+N5+C = 21.25 (minim necesar)

Punctaj obținut = 2032.14

A1 - Activitatea didactică și profesională - DID	
N 1.1 Manuale suport de curs ca prim autor	Punctaj
Bocanete, P. – „Turbine cu abur.Constructie, exploatare”, Editura”Dobrogea”, Constanta, 380 pag., 1996, ISBN 973-97742-1-0	1
Bocanete, P. , Ruadedeal F., Bursumac C. – „Exploatarea partii termomecanice a centralelor electrice”, Institutul de cercetari si modernizari energetice-ICEMENERG, Bucuresti, 225 pag., 1978, Vol I	1
Bocanete, P. , Rouadedeal F., Bursumac C. – „Exploatarea partii termomecanice a centralelor electrice”, Institutul de cercetari si modernizari energetice-ICEMENERG, Bucuresti, 201 pag., 1980, Vol II	1
Total N1.1	3
N 1.2 Manuale suport de curs ca și co-autor	
Feiza Memet, Bocanete P. – „Termodinamica, tehnica in transporturi”, Editura Muntenia, Constanta, 2008, ISBN 973-692-228-2	1
Total N1.3	1
N 2.1 Standuri de laborator (construcție / modernizări)	
Bocanete, P. – „Avarie la un grup energetic de 50 Mw-Prezentare de caz”, Centrul de perfectionare MEE, Bucuresti, 14 pag., 1987	1
Bocanete, P. – „Avarii in exploatarea instalatiilor de turbine cu abur”, Centrul de perfectionare MEE, Bucuresti, 22 pag., 1987	1
Bocanete, P. – „Elemente de automatizare a cazanelor cu abur”, Centrul de perfectionare MEE, Bucuresti, 26 pag., 1983	1
Bocanete, P. – „Elemente de mentenanta si mentenabilitatea centralelor electrice”, Centrul de perfectionare MEE, Bucuresti, 18 pag., 1982	1
Total N2.1	4
N 2.2 Indrumar laborator / carte aplicații format tipărit (autor, co-autor)	
Bocanete, P. – „Culegere de studii de caz, partea termomecanica a CTE”, Centrul de perfectionare MEE, Bucuresti , 23 pag., 1987	1
Bocanete, P. – „Exploatarea cazanelor si turbinelor cu abur. Culegere de teste pentru verificarea cunostintelor profesionale”, Centrul de perfectionare MEE, Bucuresti , 29 pag., 1987	1
Bocanete, P. – „Notiuni de termotehnica.Chestionar pentru verificarea cunostintelor profesionale”, Centrul de perfectionare MEE, Bucuresti, 14 pag., 1987	1
Total N 2.2	3

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>Bocănete Paul, Dragomir Cristina - <i>"TECHNOLOGICAL CHANGE IN PREVENTING PORT EQUIPMENT FAILURE AND REPAIR ACTIVITIES"</i>, Conference: 7th International Conference on Management of Technological Changes, Location: Alexandroupolis, GREECE, Date: SEP 01-03, 2011, WOS:000306939900118 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1iq8SWq4RcguN6DE3Y&page=1&doc=4</p>	0.4
<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 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1iq8SWq4RcguN6DE3Y&page=1&doc=7</p>	0.4
<p>Bocănete Paul, Hanzu-Pazara R, Pană I - <i>"Human performance in the maritime industry"</i>, Conference: 12th International Congress of the International-Maritime-Association-of-the-Mediterranean, Location: Varna, BULGARIA, Date: SEP 02-06, 2007, WOS:000251918000131 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1iq8SWq4RcguN6DE3Y&page=2&doc=13</p>	0.4
<p>Bocănete Paul, Hnazu-Pazara R., Memet F - <i>"Companies facing new technologies"</i>, Conference: 5th International Conference on the Management of Technological Changes, Location: Alexandroupolis, GREECE, Date: AUG 25-26, 2007 WOS:000252696800074 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1iq8SWq4RcguN6DE3Y&page=2&doc=14</p>	0.4
Total P1.1 = 0.4*4 = 1.6	1.6
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>Bocănete Paul, Hanzu-Pazara R., Scioșteanu I., Stan Liviu - <i>" HUMAN ELEMENT IN TECHNOLOGICAL CHANGE PROCESS"</i>, Conference: 6th International Conference on the</p>	0.3

Management of Technological Changes, Location: Alexandroupolis, GREECE, Date: SEP 03-05, 2009 WOS:000273225100081 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1iq8SWq4RcguN6DE3Y&page=1&doc=6	
Total P1.2 = 0.3	0.3
P 1.3 Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) ca și co-autor (număr de autori ≤ 3)	
Zaidi Sarim, Ristea Marian, Bocănete Paul - " <i>CONSIDERATIONS ON NUMERICAL WAVE TANK MODELLING</i> ", Conference: 14th International Multidisciplinary Scientific Geoconference (SGEM) Location: Albena, BULGARIA, Date: JUN 17-26, 2014 WOS:000371596300073 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1iq8SWq4RcguN6DE3Y&page=1&doc=1	0.2
Zaidi Sarim, Ristea Marian, Bocănete Paul - " <i>PREDICTION OF THE TOWING FORCE GENERATED BY A KITE ATTACHED TO A KVLCC2 TANKER MODEL</i> ", Conference: 14th International Multidisciplinary Scientific Geoconference (SGEM), Location: Albena, BULGARIA Date: JUN 17-26, 2014 WOS:000371596300088 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1iq8SWq4RcguN6DE3Y&page=1&doc=2	0.2
Ion-Bocănete Oana, Cacencu Ana, Bocănete Paul - " <i>ADAPTING THE HYPERMARKETS TO THE FINANCIAL CRISIS CONDITIONS -CARREFOUR ROMANIA CASE STUDY-</i> ", Conference: 7th International Conference on Management of Technological Changes, Location: Alexandroupolis, GREECE, Date: SEP 01-03, 2011 WOS:000306940000168 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1iq8SWq4RcguN6DE3Y&page=1&doc=3	0.2
Mitu Daniela Elena, Bocănete Paul - " <i>COMBINING FINITE ELEMENTS AND STATIC ENERGY ANALYSIS IN VIBRO-ACOUSTIC STUDIES</i> ", Conference: International Conference on Mechanical Engineering and Technology (ICMET 2011), Location: London, ENGLAND, Date: NOV 24-25, 2011 WOS:000320410400052 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1iq8SWq4RcguN6DE3Y&page=1&doc=5	0.2
Stan Liviu, Bocănete Paul, Buzbuchi Nicolae - " <i>THE NEW MANAGEMENT ERRORS TEAM IN MARITIME SAFETY</i> ", Conference: 6th International Conference on the Management of	0.2

Technological Changes, Location: Alexandroupolis, GREECE, Date: SEP 03-05, 2009 WOS:000273226200092 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1iq8SWq4RcguN6DE3Y&page=1&doc=9	
Surugiu Felicia, Bocănete Paul, Nistor C. - <i>"ORGANIZATIONAL CHANGE MANAGEMENT IN MARITIME COMPANIES DURING WORLD CRISIS"</i> , Conference: 6th International Conference on the Management of Technological Changes, Location: Alexandroupolis, GREECE, Date: SEP 03-05, 2009 WOS:000273226200154 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1iq8SWq4RcguN6DE3Y&page=1&doc=10	0.2
Total P1.3 = 0.2*6 = 1.2	1.2
N3.1 Articole și publicații BDI, neincluse la P1, ca prim autor	
Bocănete Paul, Bejan Ramona, Sivriu G. et. all - <i>"SHIPPING COMPANIES FACING WORLD ECONOMIC CRISIS"</i> , Conference: 14th HKSTS International Conference, Location: Hong Kong, PEOPLES R CHINA, Date: DEC 10-12, 2009 WOS:000291333300044 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1iq8SWq4RcguN6DE3Y&page=2&doc=11	1
Total N3.1 = 1	1
N3.2 Articole și publicații BDI, neincluse la P1, ca și co-autor	
Hanzu-Pazara R., Arsenie Paulică, Stan Liviu, Bocănete Paul, Boștina Alina, Dumitrache Ramona - <i>"THE TRAINING SYSTEM AND TECHNOLOGY CHALLENGES"</i> , Conference: 6th International Conference on the Management of Technological Changes, Location: Alexandroupolis, GREECE Date: SEP 03-05, 2009, WOS:000273226200065 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1iq8SWq4RcguN6DE3Y&page=1&doc=8	1
Popescu Corina, Varsami Anastasia, Hanzu-Pazara Radu, Bocănete Paul et all. - <i>"THE IMPACT OF CONSTANTA OIL TERMINAL ON ROMANIA'S MARITIME ECONOMY"</i> , Conference: 14th HKSTS International Conference, Location: Hong Kong, PEOPLES R CHINA, Date: DEC 10-12, 2009 WOS:000291333300048 http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1iq8SWq4RcguN6DE3Y&page=2&doc=12	1

Nițu V. I., Bocănete Paul - <i>"MAINTENANCE STRATEGY OPTIMIZATION FOR INCREASING POWER UNIT AVAILABILITY"</i> , Revue roumaine de sciences techniques. Serie electrotechnique et energetique Volume 31, Issue 2, April 1986, Pages 197-207 https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-0022696708&origin=resultslist&sort=plf-f&src=s&st1=bocanete+p&st2=&sid=25531d4f4eb8b5bb7cc809b221d4423b&sot=b&sdt=b&sl=23&s=AUTHOR-NAME%28bocanete+p%29&relpos=8&citeCnt=0&searchTerm=	1
Nițu V. I., Bocănete Paul - <i>"Optimization of Spare Parts Storage for Power Plant Equipment.(Article)</i> <i>[OPTIMISATION DU BESOIN DE PIECES DE RECHANGE POUR LES INSTALLATIONS DES BLOCS ENERGETIQUES.]"</i> , Buletinul Institutului de Studii si Proiectari Energetice English ed. Volume 28, Issue 3-4, 1985, Pages 55-64 https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-0022174841&origin=resultslist&sort=plf-f&src=s&st1=bocanete+p&st2=&sid=25531d4f4eb8b5bb7cc809b221d4423b&sot=b&sdt=b&sl=23&s=AUTHOR-NAME%28bocanete+p%29&relpos=9&citeCnt=0&searchTerm=	1
Nițu V. I., Bocănete Paul - <i>"Analysis of Effects of Operating and Maintenance Staff Characteristic Factors on Power Unit Availability"</i> , Buletinul Institutului de Studii si Proiectari Energetice English ed. Volume 28, Issue 1-2, 1985, Pages 71-79 https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-0022228567&origin=resultslist&sort=plf-f&src=s&st1=bocanete+p&st2=&sid=25531d4f4eb8b5bb7cc809b221d4423b&sot=b&sdt=b&sl=23&s=AUTHOR-NAME%28bocanete+p%29&relpos=10&citeCnt=0&searchTerm=	1
Total N3.2 = 5	5
Total N3 = N3.1+N3.2 = 6	6
N4.3 Monografii / Cărți de specialitate format tipărit/electronic(minim 100 pagini) ca prim autor	
Bocanete, P., Roudadeal F. – „Ghid de pregatire profesionala in termoenenergetica”, Editura Tehnica, Bucuresti, 358 pag, 1989 ISBN 973-31-0149-4	1
Bocanete, P. - „Masini navale cu abur”, Editura Gaudeamus, Constanta, 2003, ISBN 973-86133-5-3	1
Bocanete, P., Melinte S. – „Caldari navale de abur. Constructie si exploatare”, Editura Gaudeamus, Constanta, 311 pag., 2004, ISBN 973-861133-6-1	1
Total N4.3 = 3	3

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
	2028.14

Total S1 + S2 = 2028.14	2028.14
N5 Prezentarea/ Diseminarea rezultatelor: prezența la manifestări științifice, în calitate de autor/co-autor de lucrări, profesor invitat	Punctaj
P. Bocanete , R. Hanzu-Pazara, I. Pana, <i>Human performance in maritime industry</i> , Proceedings of 12th International Congress of the International Maritime Association of the Mediterranean „Maritime Industry, Ocean Engineering and Coastal Resources”, ISBN 978-0-415-45523-7, pp. 1047-1050, Varna, Bulgaria, 2007	1
P. Bocanete , R. Hanzu-Pazara, F. Memet, <i>Companies facing new technologies</i> , Proceedings of 5th International Conference on the Management of Technological Changes „Management of Technological Changes”, ISBN 978-960-8932-0-5, pp. 541-546, Alexandroupolis, Greece, 2007	1
P. Bocanete , F. Memet, L. Stan, <i>The role of the energy managers from enterprises</i> , Proceedings of 6th International Conference on the Management of Technological Changes „Management of Technological Changes”, ISBN 978-960-8932-0-5, Alexandroupolis, Greece, 2009	1
P. Bocanete , R. Hanzu-Pazara, I. Scriosteanu, L.C. Stan. <i>Human element in technological change process</i> , Proceedings of 6th International Conference on the Management of Technological Changes „Management of Technological Changes”, ISBN 978-960-8932-0-5, Alexandroupolis, Greece, 2009	1
Stan, P. Bocanete , N. Buzbuchi, <i>The new management errors team in maritime safety</i> , Proceedings of 6th International Conference on the Management of Technological Changes „Management of Technological Changes”, ISBN 978-960-8932-0-5, Alexandroupolis, Greece, 2009	1
Surugiu, P. Bocanete , C. Nistor, <i>Organizational change management in maritime companies during world crisis</i> , Proceedings of 6th International Conference on the Management of Technological Changes „Management of Technological Changes”, ISBN 978-960-8932-0-5, Alexandroupolis, Greece, 2009	1
Sarim Zaidi, Marian Ristea, Paul Bocanete - Considerations on Numerical Wave Tank Modelling, 14th GEOCONFERENCE ON WATER RESOURCES. FOREST, MARINE AND OCEAN ECOSYSTEMS VOLUME: 2, ISBN 978-619-7105-14-8 / ISSN 1314-2704, DOI: 10.5593/sgem2014B32, Section: Soils, Section: Forest Ecosystems, Section: Marine and Ocean Ecosystems	1
Sarim Zaidi, Marian Ristea, Paul Bocanete - Prediction of the Towing Force Generated by a Kite Attached to a KVLCC2 Tanker Model, 14th GEOCONFERENCE ON WATER RESOURCES. FOREST, MARINE AND OCEAN ECOSYSTEMS VOLUME: 2, ISBN 978-619- 7105-14-8 / ISSN 1314-2704, DOI: 10.5593/sgem2014B32, Section: Soils, Section: Forest Ecosystems, Section: Marine and Ocean Ecosystems	1
Bocanete P. , Emil Oanta , <i>THE INFLUENCE OF HUMAN FACTORS ON MARITIME SAFETY</i> , Proceedings of the IMAM 2000 , IX Congress , International Maritime Association of Mediterranean , 2-6 April 2000 , Ischia – Napoli , Italy , Session C , pag. 16 -21, ISBN 88-87951-00-4	1

Emil Oanta , Bocanete P. , <i>BASIC ELEMENTS OF COMPUTER AIDED ELASTICITY</i> , Proceedings of the IMAM 2000, IX Congress , International Maritime Association of Mediterranean , 2-6 April 2000 , Ischia – Napoli , Italy , Session F, pag. 40-47 , ISBN 88-87951-00-4	1
Total N5 = 10	10
C Citări in publicații BDI	Punctaj
<p>Lucrare citată: <i>"Improving quay cranes exploitation in container terminals"</i></p> <p>Citată in: <i>"The new wave of port congestion and the impact of ultra large container vessels"</i>, Towards Green Marine Technology and Transport - Proceedings of the 16th International Congress of the International Maritime Association of the Mediterranean, IMAM 20152015, Pages 683-694</p> <p>https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84959565366&origin=resultslist&sort=plf-f&cite=2-s2.0-84904337646&src=s&imp=t&sid=adf32fac284c9dd1bc94d7abb677dec9&sot=cite&sdt=a&sl=0&relpos=0&citeCnt=0&searchTerm=</p> <p>Citată in: <i>"The new wave of port congestion and the impact of Ultra Large Container Vessels"</i>, (Book chapter), Towards Green Marine Technology and Transport1 January 2015, Pages 683-694</p> <p>https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85054415769&origin=resultslist&sort=plf-f&cite=2-s2.0-84904337646&src=s&imp=t&sid=adf32fac284c9dd1bc94d7abb677dec9&sot=cite&sdt=a&sl=0&relpos=1&citeCnt=0&searchTerm=</p>	2
Total C = 2	2

Fișa de verificare a îndeplinirii standardelor minime naționale

Numele: Prof. univ. dr. ing. Mihael Chircor

Domeniul: Inginerie Mecanică (Anexa 17)

Condiții minime pentru profesor / abilitare					
Domeniul de activitate		Indicatori	Descriere	Minim	Obținut
Activitate didactică, profesională, DID	A 1.1	N1	Manuale suport de curs	2	10
		N 1.1	Manuale suport de curs prim autor	1	6
		N 1.3	Manuale suport de curs in format electronic pe platforma universității	1	0
	A 1.2	N2	Material didactic	4	6
		N2.1	Standuri laborator	2	2
Activitate de cercetare științifică, CDI (A2)	A 2.1 + A	N2.2	Indrumar laborator/Carte aplicații	1	4
		P1+ P2	Articole și publicații ISI	10	3,693
		P1	Articole și publicații ISI Co-autor n<3		2

	2.3		Articole și publicații ISI Co-autor n>3		1,693
	A	N3	Articole și publicații BDI neincluse la P1	10	5
	2.2	N3.1	Articole și publicații BDI neincluse la P1, ca prim autor	5	5
	A	N4	Monografii / Cărți	2	2
	2.4 + A 2.5	N4.3	Monografii / Cărți ca prim autor	1	2
Recunoaștere a impactului activității, RIA	A3.1	S1+S2	Granturi	50	11,50
	A3.2	N5	Prezentarea / Diseminarea rezultatelor	10	34
	A3.3	C	Citări	25	56

DID = N1+N2 = 6 (minim necesar)

Punctaj obținut = 16

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

Punctaj obținut = 10,693

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

Punctaj obținut = 103,50

TOTAL = DID + CDI + RIA = 130,193

Fișa de verificare a îndeplinirii standardelor minime naționale pe ultimii 5 ani

(25% din procentajul total)

Numele: Prof. univ. dr. ing. Mihael Chircor

Domeniul: Inginerie Mecanică (Anexa 17)

Condiții minime pentru profesor / abilitare					
Domeniul de activitate		Indicatori	Descriere	Minim	Obținut
Activitate didactică, profesională, DID	A 1.1	N1	Manuale suport de curs	1	0
		N 1.1	Manuale suport de curs prim autor	1	0
		N 1.3	Manuale suport de curs în format electronic pe platforma universității	1	0
	A 1.2	N2	Material didactic	1	2
		N2.1	Standuri laborator	1	2
Activitate de cercetare științifică, CDI	A 2.1	N2.2	Indrumar laborator/Carte aplicații	1	0
		P1+ P2	Articole și publicații ISI	2.5	2

(A2)	+ A 2.3	P1	Articole și publicații ISI Co-autor n<3		2
			Articole și publicații ISI Co-autor n>3		0
	A 2.2	N3	Articole și publicații BDI neincluse la P1	2.5	3
		N3.1	Articole și publicații BDI neincluse la P1, ca prim autor	1.25	0
	A 2.4 + A 2.5	N4	Monografii / Cărți	1	0
		N4.3	Monografii / Cărți ca prim autor	1	0
Recunoaștere a impactului activității, RIA	A3. 1	S1+S2	Granturi	0	0
	A3. 2	N5	Prezentarea / Diseminarea rezultatelor	2.5	0
	A3. 3	C	Citări	6.25	19

DID = N1+N2 = 1.5 (minim necesar)

Punctaj obținut = 2

CDI = P1+P2+N3+N4 = 5.5 (minim necesar)

Punctaj obținut = 5

RIA = S1+S2+N5+C = 21.25 (minim necesar)

Punctaj obținut = 22

TOTAL = DID + CDI + RIA = 29

A1 - Activitate didactică și profesională - DID	
N 1.1 Manuale suport de curs ca prim autor	Punctaj
<u>Mihael Chircor</u> – Noutăți în cinematica și dinamica roboților industriali , Editura Fundației Andrei Saguna, Constanța 1997, I.S.B.N. – 973-9262-23-6 , 161 pagini .	1
<u>M. Chircor</u> , A. Curaj - Elemente de cinematica, dinamica și planificarea traiectoriilor roboților industriali –, Editura Academiei, București 2001, ISBN 973-27-0850-6, 130 pagini	1
<u>Mihael Chircor</u> , Remus Zăgan , Tehnologia Materialelor, Ovidius University Press , Constanța 1998 , I.S.B.N. – 973-9367-36-4 , 219 pagini .	1
<u>Mihael Chircor</u> – Roboți industriali, Ovidius University Press, Constanța 1998, I.S.B.N. – 973-9289-45-2, 251 pagini	1
<u>M. Chircor</u> , R. Zăgam, Lucia Melnic - Metoda valorii, Editura VIROM, Constanța, 2004, I.S.B.N. 973-86773-5-1, 135 pagini	1
<u>M. Chircor</u> , R. Zăgam, Lucia Melnic - Metoda valorii, Editura VIROM, Constanța, 2004, I.S.B.N. 973-86773-5-1, 135 pagini	1
Total N1.1	6
N 1.2 Manuale suport de curs ca și coautor	
Lucia Melnic, Remus Zăgan, <u>Mihael Chircor</u> - Cercetări operaționale, Fundamentarea deciziilor în managementul	1

sistemelor de producție, Editura BREN, Bucuresti, 2006, ISBN 978-973-648-637-1 (Editia a II-a)	
R. Zăgan, <u>M. Chircor</u> , N. Peride - Mașini Unelte , Ovidius University Press, Constanța 2003, I.S.B.N. – 973-85665-2-5, 262 pagini. (UP1)	1
Remus Zăgan, Lucia Melnic, <u>Mihael Chircor</u> - Modelarea și simularea sistemelor de producție, Editura VIROM, Constanța, 2004, I.S.B.N. 973-86773-0-0, 163 pagini	1
Lucia Melnic, Remus Zăgan, <u>Mihael Chircor</u> - Cercetări operaționale, Fundamentarea deciziilor în managementul sistemelor de producție, Editura BREN, Bucuresti, 2006, ISBN 978-973-648-637-1 (Editia a II-a)	1
Total N1.2	4
N 2.1 Standuri de laborator (cosntruție / modernizări)	
Infiintare, dotare Laborator tehnologia materialelor	2
Total N2.1	2
N 2.2 Indrumar laborator / carte aplicații format tipărit (autor, co-autor)	
<u>Chircor M.</u> , Lungu I. - Indrumar de laborator la toleranțe si control dimensional , Reprografia Universității Ovidius , Constanța 1993 , 89 pagini	1
<u>Chircor M.</u> , Lungu I. - Indrumar de laborator de mașini-unelte și prelucrări prin așchiere , Reprografia Universității Ovidius , Constanța 1993 , 62 pagini	1
N. Peride, <u>M. Chircor</u> , R.Zăgan – Incercări tehnologice și de rezistență ale materialelor metalice, , Ovidius University Press, Constanța 2002, I.S.B.N. – 973-614-028-8, 101 pagini	1
Mihăesi G. , <u>Chircor M.</u> , Izet Kunsel , V. Pomazan - Indrumar de laborator la tehnologia materialelor , Reprografia Universității Ovidius , Constanta 1992 , 167 pagini .	1
Total N 2.2	4

A2 - Activitatea de cercetare științifică, dezvoltare tehnologică și inovare - CDI	
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P1.3 Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) ca și co-autori sau ca autor corespondent (număr autori < 3)	
Delistoian Dmitri, Mihael Chircor – Offshore pipe influence on Middle East spiritual condition , Dialogo Journal 4:1 (2017) 247-255, ISSN 2393-1744	1
Delistoian Dmitri, Mihael Chircor – LSAW pipe residual stresses as a correlation result between two physical models: rectangular plate and thin cylinder , Dialogo Journal (2018) 247-255, ISSN 2393-1744	1
Total P1.3 = 2	
P1.4 Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) ca și co-autori sau ca autor corespondent (număr autori > 3)	
A.M. Stănescu, I. Dumitrache, A. Curaj, S.I. Caramihai, <u>M. Chircor</u> - – Supervisory control and data acquisition for virtual enterprises, International Journal for Production Research, 2002, Vol. 40, NO. 15, ISSN 0020-7543 print/ISSN 1366-588X online, pag. 3545-pag. 3559	1,693
Total P1.4 = 1,06	
Total P1.3 + P1.4 = 3,693	3,693
N3.2 Articole și publicații BDI, neincluse la P1, ca și co-autor	
Delistoian Dmitri, Mihael Chircor - UOE pipe manufacturing process simulation: equipment designing and construction - Acta Universitatis Cibensis – Technical Series, vol. LXIX 2017, ISSN 1583-7149	1
Delistoian Dmitri, Mihael Chircor - UOE pipe numerical model: manufacturing process and von mises residual stresses resulted after each technological step on - Acta Universitatis Cibensis – Technical Series, vol. LXIX 2017, ISSN 1583-7149	1
Delistoian Dmitri, Mihael Chircor, Timur Chis - UOE pipe strain measurement during manufacturing process using digital image correlation, Annals of Constanta Maritime University, ISSN 1582-3601	1
A. Curaj, <u>M. Chircor</u> , O. Popovici – Supervisory control and data acquisition for virtual enterprises, 16-th International Conference on Production Research, ICPR – 16, 29.07 – 03.08 2001, Praga, I.S.B.N. 80-02-01483-3, 8 pagini	1
<u>M. Chircor</u> , I. Lungu, A. Curaj – A new approach for the control of the motion of industrial robots in joint coordinates, 16-th International Conference on Production Research, ICPR – 16, 29.07 – 03.08 2001, Praga, I.S.B.N. 80-02-01483-	1

3, 9 pagini	
Total N3.2 = 5	5
Total N3 = 7,693	7,693
N4.3 Monografii / Cărți de specialitate format tipărit/electronic(minim 100 pagini) ca prim autor	
<u>Mihael Chircor</u> – Noutăți în cinematica si dinamica roboților industriali , Editura Fundației Andrei Saguna, Constanța 1997, I.S.B.N. – 973-9262-23-6 , 161 pagini	1
<u>Mihael Chircor</u> – Noutăți în cinematica si dinamica roboților industriali , Editura Fundației Andrei Saguna, Constanța 1997, I.S.B.N. – 973-9262-23-6 , 161 pagini	1
Total N4.3 = 2	2

A3 – Recunoașterea și impactul activității RIA	
S1 Atragerea resurselor 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
Cercetări privind modernizarea mașinilor de rectificat rotund fără centre, de mare capacitate, destinate profilelor grele, lungi, în ceea ce privește sporirea productivității și preciziei de prelucrare prin mărirea puterii acționării principale și echiparea cu lagăre hidrostactice a arborelui principal”, Contract RELANSIN Nr. 1364/26.07.2001	4.500
Instalație de prelucrare cu laser cu două lungimi de undă”, Contract RELANSIN Nr. 1682/25.03.2003-07-16	3.000
Total S1 =7,50	7.500
S2 Atragerea resurselor financiare prin granturi/proiecte/contracte cu terți. Membru în echipa la grant/proiect câștigat prin competiție națională sau internațională	
Identificarea prin modelare și analiză experimentală a proprietăților nanocompozitelor utilizate în construcția lagărelor antifricțiune. Aplicație la sisteme giroscopice direcționale, CEEX Modul 1, Nr. 212/2006	1000
Cercetări asupra modalităților de dezvoltare a orașelor competitive si inteligente în societățile bazate pe cunoaștere, PC-D2 CEEX 06-09-69 E-CITY/382, 2006-2008	3.000
Total S2 =4	3.000
Total S1 + S2 =11,50	11,500

N5 Prezentarea/ Diseminarearezultatelor: prezența la manifestăriștiintifice, in calitate de autor/co-autor de lucrări, profesorinvitat	Punctaj
<u>Chircor M.</u> - The control of the motion in Internal and External Coordinates , International Symposium on Systems Theory , Robotics , Computers and Process Informatics , Craiova , 6-7 june 1996 , pag. 47 – pag. 50 .	1
<u>Chircor M.</u> - A limit of the Serial Topology , International Symposium on Systems Theory , Robotics , Computers and Process Informatics , Craiova , 6-7 june 1996 , pag. 51 – pag. 56 .	1
<u>Chircor M.</u> – The parameters of the working space of an industrial robot, PrimulSimpozionInternaționalEURETECH ,Settat , Maroc, iulie 1999.	1
<u>M. Chircor</u> , R. Zăgan, I. Lungu – The Influence of the Load on the Dynamic of a Serial Type Robot, MicroCAD `2000 , International Computer Science Conference , Miskolc, Ungaria , 23-24 februarie 2000, pag. 19– pag. 24 , ISBN . 968 661 423 7	1
<u>M. Chircor</u> , R. Zăgan, I. Lungu – The Control of the Motion of a Robot Along a Circular Trajectory in Internal Coordinates, MicroCAD `2000 , International Computer Science Conference , Miskolc, Ungaria , 23-24 februarie 2000, pag.13 – pag. 18 , ISBN. 968 661 423 7	1
R. Zăgan, <u>M. Chircor</u> , I. Lungu – Diesel Engine Vibration Characterisation with Winger-Viller Time Frequency Analysis and Application of the Wavelvet Transform for Further Investigation, MicroCAD `2000 , International Computer Science Conference , Miskolc, Ungaria , 23-24 februarie 2000, pag. 187– pag. 192 , ISBN. 968 661 423 7	1
R. Zăgan, <u>M. Chircor</u> , I. Lungu – Application of the Wavelvet and Neural Network Analysis to a Diesel Engine Vibration transform Record, MicroCAD `2000 , International Computer Science Conference , Miskolc, Ungaria , 23-24 februarie 2000, pag. 193– pag. 198 , ISBN. 968 661 423 7	1

I. Lungu, <u>M. Chircor</u> , R. Zăgan – Research Regarding the Influence of the Rake Angle on the Cutting Tool Temperature at the OLC 45 Steel Cutting, MicroCAD `2000 , International Computer Science Conference , Miskolc, Ungaria , 23-24 februarie 2000, pag. 57– pag. 60 , ISBN. 968 661 423 7	1
I. Lungu, <u>M. Chircor</u> , R. Zăgan, - Research Regarding the Influence of the Cutting Condition Parameters on Cutting Tool Temperature of Stainless Steel 40 Cr. 13, MicroCAD `2000 , International Computer Science Conference , Miskolc, Ungaria , 23-24 februarie 2000, pag.61 – pag. 65 , ISBN. 968 661 423 7	1
<u>M. Chircor</u> , R. Zăgan – Path generation in joint coordinates for a prescribed motion of the end-effector of a robot, 8-th IEEE Mediteranean Conference on Control & Automation, Patras, 17 – 19 July, Patras , Greece, 5 pagini.	1
<u>M. Chircor</u> , R. Zăgan, I. Lungu – An algorithm for the Solving of the Orientation Problem of Robots Using Invariant Vectors, Fifth International Conference on Marine Science and Technology, Varna, Bulgaria, 09 –November 2000, 4 pagini.	1
<u>M. Chircor</u> , R. Zăgan, I. Lungu – On the Generation of Circular Motions by Industrial Robots, Fifth International Conference on Marine Science and Technology, Varna, Bulgaria , 09 –November 2000, 5 pagini.	1
R. Zăgan, I. Lungu, <u>M. Chircor</u> – Time – Frequency Analysis and Application of the Wavelet Transform to Further Investigation for Naval Engine Vibration, Fifth International Conference on Marine Science and Technology, Varna, Bulgaria, 09 –November 2000, 5 pagini.	1
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I. Lungu, R. Zăgan, <u>M. Chircor</u> – Research regarding the cutting speed influence on the Tool Temperature at the OLC 45 Steel turning on the lathe, Fifth International Conference on Marine Science and Technology, Varna, Bulgaria , 09 –November 2000, 3 pagini.	1
I. Lungu, R. Zăgan, <u>M. Chircor</u> – Research regarding the influence of the workpiece on the cutting tool temperature, VI-th International Conference on Marine Science and Technology, 11 – 13 October, Varna, Bulgaria, ISSN 1311-896X, pag 145-147.	1
R. Zăgan, I. Lungu, <u>M. Chircor</u> , N. Peride – Wavelet and neural Netwirk analysis to a structural naval engine vibration record, , VI-th International Conference on Marine Science and Technology, 11 – 13 October, Varna, Bulgaria, ISSN 1311-896X, pag 148-153.	1
<u>MihaelChircor</u> , Lucia Melnic – Economic evaluation of the industrial robots, International Conference “TEHNONAV 2004” , Constanța, 27-29 MAY 2004, ISSN – 1223-7221.	1
<u>MihaelChircor</u> , Remus Zăgan – A new approach of the functional analysis, AnaleleUniversitățiiOvidiusConstanța, SeriaInginerieMecanică, Vol. 5, Nr. 1, 2003, ISSN 1223-7221 International Conference “TEHNONAV 2004” , Constanța, 27-29 MAY 2004, ISSN – 1223-7221.	1
<u>MihaelChircor</u> , Constantin Ranea, Gabriela Pătrașcu, Florin Abeaboeru, Carmen C. Bucur – Multipolar Distributed Simulation in Project Planning, MIT 2004, Constanța 2004, ISBN 973-700-028-5, pag. 111-114.	1

<u>Mihael Chircor</u> , Lucia Melnic – Comparison of industrial robots using diagraph and matrix methods, International Conference “TEHNONAV 2006”, Constanța, 2006 ISBN – 973-614-307-4.	1
<u>Chircor M.</u> , Lungu I. – Cercetari privind ansarea arborilor portelice , International Symposium on Marine Technology and Management TECHNONAV '98 , Constanța , 1998 , pag. 181 – pag. 184 , ISBN 973-9367-10-0.	1
Lungu I., <u>Chircor M.</u> – Determinare a valorilor optime a unghiului de degajare la strunjirea oțelului inoxidabil 40Cr 130 , International Symposium on Marine Technology and Management TECHNONAV '98 , Constanța , 1998 , pag. 185 – pag. 188 , ISBN 973-9367-10-0.	1
<u>4M. Chircor</u> , I. Lungu , R. Zăgan – On the generation of linear motions by industrial robots in joint coordinates, TECHNONAV 2000 , International Symposium on Marine Technologies and Management, Constanța, Romania , 1-3 June 2000, pag. 5 – pag. 10 , ISBN 973-652-146-x.	1
<u>M. Chircor</u> , R. Zăgan, I. Lungu – On the orientation of the end-effector of industrial robots, TECHNONAV 2000 , International Symposium on Marine Technologies and Management, Constanța, Romania , 1-3 June 2000, pag. 11– pag. 16 , ISBN 973-652-146-x.	1
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Dumitrache Cosmin Laurențiu; Chircor Mihael; Dumitrache Ramona, “ <i>Internal Mechanics Of Ship Collision</i> ”, DAAAM Symposium "Intelligent Manufacturing & Automation: Focus On Interdisciplinary Solutions", pag 1417-1418, 2011, ISBN: 978-3-901509-73-5, ISBN (Volume 1): 978-3-901509-73-5, Data Conferinței: 20-23 Octombrie 2010, Zadar, Croatia	1
Dumitrache Ramona; Dumitrache Cosmin Laurentiu; Chircor Mihael, „ <i>Mechanism Of Energy Absorption And Yielding Of Composite Structures</i> ”, Proceedings of the 22nd International DAAAM Symposium, Volume 22, No.1, pag 883-884, ISBN: 978-3-901509-83-4, ISSN: 1726-9679, Noiembrie 2011, Viena, Austria	1
Varsami A., Dumitrache C., Popescu C, Chircor M. – The influence of Grounding Events on Maritime Industry, Annals of DAAAM 2011 & Proceedings of the 22nd International DAAAM Symposium „Intelligent Manufacturing & Automation: Power of Knowledge and Creativity” 23-26 November 2011 VIENNA, ISSN 1726-9679	1
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Total N5 = 34	34
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Total C =	56