

IOSUD Universitatea Maritimă din Constanța
 Conf. Dr. 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	25
		N3.1	Articole publicații BDI neincluse la P1, ca prim autor	5	15
	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

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

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

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

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

$$N3 = N3.1 + N3.2 = 15 + 10 = 25$$

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

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-OLNYsJj5kd3KRBXAxjgb_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-OLNYsJj5kd3KRBXAxjgb_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
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. WoS: https://drive.google.com/file/d/0B1yzjO-hA723X0lWM0Vsenpvb2s/ $n = 2 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$	0.4
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. WoS: https://drive.google.com/file/d/0B1yzjO-hA723emNCbzJ5d0NObjQ/ FI: https://drive.google.com/file/d/1UtSqMV_vlcc77cGvl8QBhBTyQA8NGt4B/ $FI=0.451 \text{ în } 2009; FI=0.386 \text{ în } 2017 \rightarrow FI = \max(0.451, 0.386) = 0.451$ $n = 2 \Rightarrow P1.1 = 2 \cdot (0.2 + 0.451) = 2 \cdot 0.651 = 1.302$	1.302
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. 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/ $FI=0 \text{ în } 2010; FI=1.248 \text{ în } 2017 \rightarrow FI = \max(0, 1.248) = 1.248$ $n = 2 \Rightarrow P1.1 = 2 \cdot (0.2 + 1.248) = 2 \cdot 1.448 = 2.896$	2.896
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. WoS: https://drive.google.com/file/d/0B1yzjO-hA723SE9pVnJON0Vna1U/ $n = 1 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$	0.4
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. WoS: https://drive.google.com/file/d/0B1yzjO-hA723Z0NtclA4TFRtcWM/ $n = 1 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$	0.4
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. WoS: https://drive.google.com/file/d/0B1yzjO-hA723ZXRfNU5SZ2JZRTA/ $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$	0.4

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/ $n = 2 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$	0.4
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/ $n = 1 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$	0.4
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/ $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$	0.4
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/ $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$	0.4
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>, ATOM-N 2016 Conference, 25-28 August 2016, Constanta, Romania. WoS: https://drive.google.com/file/d/0B1yzjO-hA723VUdQUWdoWWZiRVU/ $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$	0.4
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-hA723MGlKU0NEWUNKN1U/ $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$	0.4
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/ $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$	0.4
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-hA723b1lUQ2hqX2pOQWs/ WoS: https://drive.google.com/file/d/0B1yzjO-hA723aXBaQm1sZkNIV1E/ $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$	0.4

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/ $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$	0.4
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. Autor corespondent: https://drive.google.com/file/d/0B1yzjO-hA723MHJrX0REQ2l5OWc/ WoS: https://drive.google.com/file/d/0B1yzjO-hA723M05RMHBmaGpEelU/ $n = 3 \Rightarrow P1.1 = 2 \cdot (0.2 + 0) = 0.4$	0.4
Total P1.1: $1.302 + 2.896 + 0.4 \cdot 14 = 9.798$	9.798
P1.2 Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) ca prim autor sau autor corespondent (număr de autori ≥ 4)	Punctaj
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. WoS: https://drive.google.com/file/d/0B1yzjO-hA723RmpCRIUwTDZKeGs/ $n = 4 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0) / 4 = 0.3$	0.3
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. WoS: https://drive.google.com/file/d/0B1yzjO-hA723OFhtNk5RSGZPeWM/ $n = 6 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0) / 6 = 0.2$	0.2
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>, ATOM-N 2014 - The 7th edition of the International Conference "Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies", 21-24 August 2014, Constanta, Romania. WoS: https://drive.google.com/file/d/0B1yzjO-hA723bjRtSUx6RTg1ZzA/ $n = 6 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0) / 6 = 0.2$	0.2
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. WoS: https://drive.google.com/file/d/0B1yzjO-hA723dGh6Y0p3OURkMjg/ $n = 5 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0) / 5 = 0.24$	0.24
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. Autor corespondent: https://drive.google.com/file/d/0B1yzjO-hA723V0FyYWxmVVRDejg/ WoS: https://drive.google.com/file/d/0B1yzjO-hA723TGtGejdMU01EdjQ/ $n = 4 \Rightarrow P1.2 = 2 \cdot 3 \cdot (0.2 + 0) / 4 = 0.3$	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/ $n = 5 \Rightarrow P_{1.2} = 2 \cdot 3 \cdot (0.2 + 0) / 5 = 0.24$	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/ $n = 5 \Rightarrow P_{1.2} = 2 \cdot 3 \cdot (0.2 + 0) / 5 = 0.24$	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-hA723U19URXdtldFsYnc/ WoS: https://drive.google.com/file/d/0B1yzjO-hA723VkFyQ3Eya0dRelk/ $n = 4 \Rightarrow P_{1.2} = 2 \cdot 3 \cdot (0.2 + 0) / 4 = 0.3$	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/ $n = 4 \Rightarrow P_{1.2} = 2 \cdot 3 \cdot (0.2 + 0) / 4 = 0.3$	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/ $n = 4 \Rightarrow P_{1.2} = 2 \cdot 3 \cdot (0.2 + 0) / 4 = 0.3$	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-hA723WWlIMFl4Nkd4dmc/ $n = 3 \Rightarrow P_{1.3} = 0.2 + 0 = 0.2$	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/ $n = 3 \Rightarrow P_{1.3} = 0.2 + 0 = 0.2$	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/ $n = 2 \Rightarrow P_{1.3} = 0.2 + 0 = 0.2$	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, 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-5363RMpe5uRVnTQ429C8z96yD1To/	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

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. WoS: https://drive.google.com/file/d/0B1yzjO-hA723aXRhMmVrbTltNWwS/	1
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. Scopus: https://drive.google.com/file/d/0B1yzjO-hA723M0QweUNWVHVY3c/	1
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. Scopus: https://drive.google.com/file/d/0B1yzjO-hA723VkVaelRDUV95SXM/	1
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. Scopus: https://drive.google.com/file/d/0B1yzjO-hA723cGJrTzF5aVl6MWc/	1
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. WoS: https://drive.google.com/file/d/0B1yzjO-hA723blRqS01YaDFTM00/	1
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. WoS: https://drive.google.com/file/d/0B1yzjO-hA723c2x0aEQ4WklvNGc/	1
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. WoS: https://drive.google.com/file/d/0B1yzjO-hA723Rm85SEsxMmVoaUk/	1
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. Scopus: https://drive.google.com/file/d/0B1yzjO-hA723Zll2OVdqQjQ3SIU/	1
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. Scopus: https://drive.google.com/file/d/0B1yzjO-hA723SGdFNmdVajR1YU0/	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
Total N3.1	15
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
Gavrila 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
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. WoS: https://drive.google.com/file/d/0B1yzjO-hA723VzJNRHNvMWJra3M/	1
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. WoS: https://drive.google.com/file/d/0B1yzjO-hA723SlZkUk9QcktwWDg/	1
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. WoS: https://drive.google.com/file/d/0B1yzjO-hA723NIIQalFqSTIDOFk/	1
Barhălescu, M. L.; Sabau, A. & Oanta, 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. WoS: https://drive.google.com/file/d/0B1yzjO-hA723bHVOR1hJdzFodXM/	1

Sabau, A.; Barhalescu, M. L. & Oanta, 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. WoS: https://drive.google.com/file/d/0B1yzjO-hA723ZWtDMjFZanR4T3c/	1
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-hA723c1Jod3kxS3NyNjA/	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
Total N3.2	10
Total N3 15+10=25	25
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
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 RON / 4.4 Euro/RON = 78352.27 Euro b) S1=78352.27 Euro / 1000 = 78.352	78.352
Identificator: POSDRU/57/1.3/S/17884 Tip proiect: POSDRU Denumire: “Specializarea personalului didactic universitar pentru funcția de ‘Cadru didactic supervisor’ 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 RON (Buget UMC in Anul I) / 4.3 Euro/RON = 6976.74 Euro b) S1=6976.74 Euro / 1000 = 6.977	6.977
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 RON / 4.5 Euro/RON = 126793.777 Euro b) S1=126793.777 Euro / 1000 = 126.793	126.793

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

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	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
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	0.219
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	0.125

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

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

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

The 3rd International Conference on BOUNDARY and FINIT ELEMENT, ELFIN3, Constanta, 25-27 Mai 1995, Romania 1.1 Garabet Kumbetlian, Emil Oanta, <i>The Modelling of Behaviour of Thick Bended Plates</i>, Section 2.1, pp. 133-139. 1.2 Mircea Ieremia, Emil Oanta, Considerations Regarding the Actual Trends in the CAD Using the FEM, Section 4, pp. 29-33. 1.3 Emil Oanta, "Matrix" Variable Type. Improvements and Applications, Section 4, pp. 44-49. Referințe: https://drive.google.com/file/d/0B1yzjO-hA723NnVaemFwRkUzQnM/ https://drive.google.com/file/d/0B1yzjO-hA723WHdNWDd3c1ZjWTg/	1
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SAE 2000 World Congress, Detroit, Michigan, March 6-9, 2000 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/. 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-hA723NEZVU0lkQlVTYWs/	1
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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 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>. Referințe: https://drive.google.com/file/d/0B1yzjO-hA723WXI2bmJlbjMzNG8/	1
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ModTech International Conference, Modern Technologies in Industrial Engineering, June 14-17, 2017, Sibiu, Romania 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>. Referințe: https://drive.google.com/file/d/0B1yzjO-hA723ZjVhSXpzYWt5REk/ https://drive.google.com/file/d/0B1yzjO-hA723akk4a1pBZ0tjN0k/	1
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Total N5	18
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