



Universitatea
Transilvania
din Braşov

Îndeplinirea standardelor minimale

Candidat: Conf. dr. ing. Itu Călin

Standardele minimale pentru conferirea titlurilor didactice din invatamantul superior
OMENCS_6129_2016

Condiții minime și obligatorii						
Domeniul de activitate		Indicatori	Conferențiar	Profesor	CSII	CSI
Activitatea didactică / profesională (A1)	A1.1	N1	2	2	Nu se aplică	Nu se aplică
		N1.1	0	1		
		N1.3	1	1		
	A1.2	N2	3	4		
		N2.1	1	2		
Activitatea de cercetare (A2)	A2.1 + A2.3	P1+P2	5	10	5	10
		P1	3	6	3	6
	A2.2	N3	8	10	8	10
		N3.1	3	5	3	5
	A2.4 + A2.5	N4	1	2	1	2
		N4.3	0	1	0	1
Recunoașterea impactului activității (A3)	A3.1	S1 + S2	10	50	10	50
	A3.2	N5	5	10	5	10
	A3.3	C	10	25	10	25

unde:

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

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

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

Domeniu de activitate		Indicatori	Minim necesar	Realizat
Activitate didactică / profesională (A1)	A1.1	N1	2	2
		N1.1	1	2
		N1.3	1	1
	A1.2	N2	4	6
		N2.1	2	3
Activitatea de cercetare științifică (A2)	A2.1 + A2.3	P1 + P2	10	16,427
		P1	6	16,427
	A2.2	N3	10	12
		N3.1	5	5
	A2.4 + A2.5	N4	2	2
		N4.3	1	1
Recunoașterea impactului activității (A3)	A3.1	S1 + S2	50	98,23
	A3.2	N5	10	17
	A3.3	$C = C1 + S_{FI}$	25	152,378

ACTIVITATEA DIDACTICĂ

Nr. crt.	Domeniul activităților	Rezultatele activităților	Subcategorii		Indicatori		
1	Activitatea didactică și profesională - DID (A1)	Manuale suport de curs (conform fișei disciplinei de concurs)	A1.1	Format tipărit/electronic [1] (min. 100 pag.)	Coordonator/prim autor	N1.1 = număr	
					Co-autor	N1.2 = număr	
				Format electronic disponibil pe platforma universității/departamentului (autor)		N1.3 = număr	
		Material didactic /Dezvoltare laboratoare, aplicații	A1.2	Standuri laborator (construcție/modernizări) certificate de directorul de departament			N2.1 = număr
				Îndrumar laborator/carte aplicații format tipărit sau electronic (autor, co-autor)			N2.2 = număr
Aplicație informatică educațională				N2.3 = număr			

Condiții minime și obligatorii						
Domeniul de activitate		Indicatori	Conferențiar	Profesor	CSII	CSI
Activitatea didactică / profesională (A1)	A1.1	N1	2	2	Nu se aplică	Nu se aplică
		N1.1	0	1		
		N1.3	1	1		
	A1.2	N2	3	4		
		N2.1	1	2		
Activitatea de cercetare (A2)	A2.1 + A2.3	P1+P2	5	10	5	10
		P1	3	6	3	6
	A2.2	N3	8	10	8	10
		N3.1	3	5	3	5
	A2.4 + A2.5	N4	1	2	1	2
		N4.3	0	1	0	1
Recunoașterea impactului activității (A3)	A3.1	S1 + S2	10	50	10	50
	A3.2	N5	5	10	5	10
	A3.3	C	10	25	10	25

unde:

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

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

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

Domeniu de activitate		Indicatori	Minim necesar	Realizat
Activitate didactică/ profesională (A1)	A1.1	$N1 = N1.1 + N1.2$	2	2
		N1.1	1	2
		N1.3	1	1
	A1.2	$N2 = N2.1 + N2.2 + N2.3$	4	6
		N2.1	2	3
Concluzie criteriu A1				Îndeplinit

Nr. crt.	Tip criteriu	Denumire criteriu		
A1.1	N1.1	Manuale suport curs, format tipărit sau format electronic (min. 100 pag.) ca prim autor/coordonator (Publicația este înregistrată în fondul de carte al bibliotecii naționale sau al bibliotecilor universităților respective)		
		Descriere	Număr	
		Rezistența Materialelor în Ingineria Mecanică Autor: ITU CĂLIN Editura Universității Transilvania Brașov ISBN:978-606-19-1114-1 Dovada manual		1
		Metode numerice și analitice de calcul în sistemele multicorp Autor: ITU CĂLIN Editura Universității Transilvania Brașov ISBN: 978-606-19-1373-2 Dovada manual		1
			TOTAL	2
A1.2	N1.3	Manuale, suport curs, în format electronic disponibil pe platforma universității/departamentului ca autor		
		Rezistența Materialelor - Suport de curs pentru IFR (format electronic pe platformă) Autor: ITU CĂLIN Editura Universității Transilvania Brașov Dovada manual		1
	N2.1	Standuri laborator (construcție/modernizări) certificate de directorul de departament		
		1. Determinarea cuplului din încastrare pentru o grindă static nedeterminată - Dovada 2. Determinarea coeficientului de restituire la ciocnire - Dovada 3. Mișcarea punctului material în câmp gravitațional - Dovada		3
		Îndrumar laborator/carte aplicații format tipărit sau electronic (autor, co-autor)		
N2.2	Rezistența Materialelor Culegere de probleme 2 Autori: Gh. N. RADU, Fl. S. DOGARU, C.A. ITU Editura Lux Libris ISBN (10): 973 - 9458 - 49 - 1 ISBN (13): 978 - 973 - 9458 - 51 - 1 Dovada manual		1	
	Îndrumar seminar Rezistența Materialelor partea I Autor: ITU CĂLIN Editura Universității Transilvania Brașov ISBN: 978-606-19-1022-9, 2018 Dovada manual		1	
	Îndrumar seminar Rezistența Materialelor partea II Autor: ITU CĂLIN Editura Universității Transilvania Brașov 978-606-19-1144-8, 2019 Dovada manual		1	

ACTIVITATEA DE CERCETARE

2	Activitatea de cercetare științifică, dezvoltare tehnologică și inovare - CD1 (A2)	Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) [2], unde n = nr.de autori și FI este factorul de impact [3]	A2.1	Autor corespondent / prim autor	n ≤ 3	P1.1 = 2·(0,2 + FI)	
				n ≥ 4	P1.2 = 2·3·(0,2 + FI)/n		
			Co-autor	n ≤ 3	P1.3 = 0,2 + FI		
				n ≥ 4	P1.4 = 3·(0,2 + FI)/n		
		Articole și publicații științifice BDI [4] neincluse la A2.1	A2.2	Autor corespondent/prim autor		N3.1 = număr	
				Co-autor		N3.2 = număr	
		Brevete de invenții indexate [5]	A2.3	Internaționale indexate în Web of Science – Derwent Innovation		P2.1 = același calcul cu A2.1 și FI = 2	
				Naționale indexate OSIM		P2.2 = același calcul cu A2.1 și FI = 0,5	
		Produce, tehnologii, platforme și servicii inovative (validate conform procedurilor specifice unităților de învățământ superior sau de cercetare)	A2.4	Coordonator/prim autor		N4.1 = număr	
				Co-autor		N4.2 = număr	
Monografii/cărți de specialitate ^[2] , format tipăriti/electronic (min. 100 pag.)	A2.5	Coordonator/prim autor		N4.3 = număr			
		Co-autor		N4.4 = număr			

Condiții minime și obligatorii						
Domeniul de activitate		Indicatori	Conferențiar	Profesor	CSII	CSI
Activitatea didactică / profesională (A1)	A1.1	N1	2	2	Nu se aplică	Nu se aplică
		N1.1	0	1		
		N1.3	1	1		
	A1.2	N2	3	4		
		N2.1	1	2		
Activitatea de cercetare (A2)	A2.1 + A2.3	P1+P2	5	10	5	10
		P1	3	6	3	6
	A2.2	N3	8	10	8	10
		N3.1	3	5	3	5
	A2.4 + A2.5	N4	1	2	1	2
N4.3		0	1	0	1	
Recunoașterea impactului activității (A3)	A3.1	S1 + S2	10	50	10	50
		N5	5	10	5	10
	A3.3	C	10	25	10	25

unde:

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

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

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

Domeniu de cercetare		Indicatori	Minim necesar	Realizat
Activitatea de cercetare științifică (A2)	A2.1 + A2.3	P1 + P2	10 (puncte)	16,427
		P1	6 (puncte)	16,427
	A2.2	N3	10	12
		N3.1	5	5
	A2.4 + A2.5	N4	2	2
N4.3		1	1	
Concluzie criteriu A2				Îndeplinit

Nr. crt.	Tip criteriu	Denumire criteriu	
A2.1	P1.1	Articole si publicații științifice indexate ISI ca prim autor/autor corespondent unde nr de autori este mai mic sau egal cu 3 -Se iau în considerare numai revistele cu FI la data publicării articolului.FI este cel al revistei la data înscrierii la concurs sau la data publicării articolului (cel mai avantajos). O revistă WOS este echivalentă cu o revistă cotate ISI cf. OM-MECTS Nr.4478 din 23.6.2011, publicat in MO, Partea I,Nr.448/27.VI.2011. Se exclud publicațiile conferințelor DAAAM si WSEAS	
		Descriere	Punctaj
		<p><i>Modeling and Testing of the Sandwich Composite Manhole Cover Designed for Pedestrian Networks</i> Autori: Itu Călin, Cerbu Camelia, Galatanu Teofil-Florin Revista Materials, FI: 3,057 (2020), SRI (2015): 1,813 ISSN: 1996-1944 WOS: 000465500700113 Punctaj: $2*(0,2 + FI) = 2*(0,2 + 3,057) = 6,514$ https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6480053/</p>	6,514
A2.1	P1.2	Articole si publicații științifice indexate ISI ca prim autor/ autor corespondent unde numărul de autori este mai mare sau egal cu 4. Se iau în considerare numai revistele cu FI la data publicării articolului.FI este cel al revistei la data înscrierii la concurs sau la data publicării articolului (cel mai avantajos). O revistă WOS este echivalentă cu o revistă cotate ISI cf. OM-MECTS Nr.4478 din 23.6.2011, publicat in MO, Partea I,Nr.448/27.VI.2011. Se exclud publicațiile conferințelor DAAAM si WS	
		<p><i>Improved rigidity of composite circular plates through radial ribs</i> Autori: Itu Călin, Andreas Ochsner, Sorin Vlase and Marin I. Marin Journal of Materials, FI: 2,014 (2020), SRI (2017): 0,773 ISSN: 1464-4207 WOS: 000476523700008 Punctaj: $2*3*(0,2 + FI)/n = 2*3*(0,2 + 2,014)/4 = 3,321$ https://journals.sagepub.com/doi/abs/10.1177/1464420718768049</p>	3,321
	<p><i>Kinematic and Dynamic Response of a Novel Engine Mechanism Design Driven by an Oscillation Arm</i> Autori: Călin Itu, Maria Luminița Scutaru, Cătălin Iulian Pruncu, Radu Munteanu Revista MDPI, FI: 2,474 (2019), SRI (2015): 1,395 ISSN: 2076-3417 WOS: 000533352100097 Punctaj: $2*3*(0,2 + FI)/n = 2*3*(0,2 + 2,474)/4 = 4,011$ https://www.mdpi.com/2076-3417/10/8/2733</p>	4,011	

A2.1	P1.4	Articole si publicatii stiintifice indexate ISI in calitate de co-autor unde numarul de autori este mai mare sau egal cu 4-Se iau in considerare numai revistele cu FI la data publicării articolului.FI este cel al revistei la data înscrierii la concurs sau la data publicării articolului (cel mai avantajos). O revistă WOS este echivalentă cu o revistă cotate ISI cf. OM-MECTS Nr.4478 din 23.6.2011, publicat in MO, Partea I,Nr.448/27.VI.2011. Se exclud publicatiile conferintelor DAAAM si WSEAS	
		<i>Elasto-dynamics of a solid with a general "rigid" motion using FEM model</i> Autori: S. VLASE, P.P. TEODORESCU, C. ITU, M.L. SCUTARU Romanian Journal of Physics, FI: 1,758 (2017), SRI (2018): 0,708 ISSN: 1221-146X WOS: 000326143500014 Punctaj: $3*(0,2 + FI)/n = 3*(0,2 + 1,758)/4 = 1,469$ http://www.nipne.ro/rjp/2013_58_7-8/0882_0892.pdf	1,469
		<i>Mechanical design of interaction chamber for the ELIADE array at ELI-NP</i> Autori: Mihaela Violeta Munteanu, Mircea Mihălcică, Călin Itu, Sorin Vlase, Maria Luminita Scutaru AIP Advances, FI: 1,653 (2018), SRI (2015): 1,216 ISSN: 2158-3226 WOS: 000519595000004 Punctaj: $3*(0,2 + FI)/5 = 3*(0,2 + 1,653)/5 = 1,112$ https://aip.scitation.org/doi/10.1063/1.5129317	1,112
		TOTAL punctaj	16,427

A2.2	N3.1	Articole si publicatii stiintifice indexate in urmatoarele BDI: Web of Science Thomson Reuters (WOS) si SCOPUS in calitate de prim autor/ autor corespondent	
		1. Călin ITU , Sorin VLASE, Maria Luminita SCUTARU, Consuella Sofia PENA, Paul Nicolae BORZA, Mircea MIHĂLCICĂ - Universal Absorber Applied to NVH in EVs Powertrain, ACOUSTICS AND VIBRATION OF MECHANICAL STRUCTURES (AVMS-2017), ISSN:978-3-319-69823-6, BDI: Web of Science, SCOPUS WOS: 000437313600042 https://link.springer.com/chapter/10.1007/978-3-319-69823-6_42	
		2. Călin Itu , Sorin Vlase, Maria Luminița Scutaru, Arina Modrea - Bending behavior of a high rigidity plate made by a composite panel, Procedia Manufacturing - Elsevier, ISSN:2351-9789, 2019, BDI: Web of Science, SCOPUS WOS: 000471295800021 https://www.sciencedirect.com/science/article/pii/S235197891930229X	
		3. Călin Itu , Arina Modrea, Maria Luminița Scutaru, Hektor Hebert - Bending behavior of a circular composite panels used in civil engineering, Procedia Manufacturing - Elsevier, ISSN:2351-9789, 2019, BDI: Web of Science, SCOPUS WOS: 000471295800022 https://www.sciencedirect.com/science/article/pii/S2351978919302306	
		4. Călin Itu , Maria Luminița Scutaru, Arina Modrea, Mircea Mihălcică - Traction characteristics for the components of a composite sandwich used to build high-rigidity circular plates, Procedia Manufacturing - Elsevier, ISSN:2351-9789, 2019, BDI: Web of Science, SCOPUS WOS: 000471295800039 https://www.sciencedirect.com/science/article/pii/S2351978919302483	
		5. Călin Itu , Polidor Bratu, Paul Nicolae Borza, Sorin Vlase, Dorin Lixăndroiu - Design and Analysis of Inertial Platform Insulation of the ELI-NP Project of Laser and Gamma Beam Systems, Symmetry-Basel, ISSN: 2073-8994 WOS: 000603115800001 https://www.mdpi.com/2073-8994/12/12/1972	

A2.2	N3.2	Articole si publicatii stiintifice indexate in urmatoarele BDI: Web of Science Thomson Reuters (WOS) si SCOPUS in calitate de co-autor	
		1.	Sorin VLASE, Adina CRIȘAN, Călin ITU , Maria Luminița SCUTARU - FEA analysis of the interaction chamber for the ELI-NP array of detectors (Eliade), ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, ISSN:1221-5872, 2019, BDI: Web of Science WOS: 000464577100005 https://atna-mam.utcluj.ro/index.php/Acta/article/view/1162
		2.	Sorin VLASE, Călin ITU , Ovidiu VASILE, Cristi NĂSTAC, Mariana Domnica STANCIU, Maria Luminița SCUTARU - Vibration Analysis of a Mechanical System Composed of Two Identical Parts, ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION, ISSN:1584-7284, 2018, BDI: Web of Science, SCOPUS WOS: 000444766100010 https://rjav.sra.ro/index.php/rjav/article/view/52
		3.	S. VLASE, P.P. TEODORESCU, C. ITU , M.L. SCUTARU - Elasto-dynamics of a solid with a general rigid motion using fem model. Part II. Analysis of a double cardan joint, ROMANIAN JOURNAL OF PHYSICS, ISSN:1221-146X, 2013, BDI: Web of Science, SCOPUS WOS: 000326143500014 http://www.nipne.ro/rjp/2013_58_7-8.html
		4.	Curtu, I.; Itu, C. ; Nastac, S.; Stanciu, M. - On dynamic characterization of flexible structures due to impulsive actions, VIBRATION PROBLEMS, ICOVP 2011, SUPPLEMENT (Proceeding Paper), ISSN:0930-8989, 2011, BDI: Web of Science WOS: 000393361600038 https://www.researchgate.net/publication/263363763_On_Dynamic_Characterization_of_Flexible_Structures_Due_to_Impulsive_Actions
		5.	Curtu, I.; Stanciu, MD.; Ciofoaia, V.; Timar, J.; Grimberg, R.; Itu, C. - Dynamical behavior of woven composite materials used to attenuate the noise level, 16TH INTERNATIONAL CONFERENCE THE KNOWLEDGE-BASED ORGANIZATION: APPLIED TECHNICAL SCIENCES AND ADVANCED MILITARY TECHNOLOGIES, CONFERENCE PROCEEDINGS 3, page 66-70, ISSN:978-973-153-355-1, 2010, BDI: Web of Science, WOS: 000297596200010 http://www.phys-iasi.ro/en/dynamical-behaviour-woven-composite-materials-used-attenuate-noise-level
		6.	Maria Luminița Scutaru, Călin Itu , Marin Marin, Horațiu-Ștefan Grif - Bending Tests Used to Determine the Mechanical Properties of the Components of a Composite Sandwich Used in Civil Engineering, Procedia Manufacturing - Elsevier, ISSN:2351-9789, 2019, BDI:SCOPUS WOS: 000471295800038 https://www.sciencedirect.com/science/article/pii/S2351978919302471
7.	Stanciu, MD.; Curtu, I.; Itu, C. ; Nastac, S.; Timar, J.- On Static and Dynamic Behavior of Noise Barriers Structures Using FEA, VIBRATION PROBLEMS, ICOVP 2011, SUPPLEMENT (Proceeding Paper), ISSN:0930-8989, 2011, BDI: Web of Science, WOS: 000393361600076 https://www.researchgate.net/publication/263363757_Static_and_Dynamic_Behavior_of_Plates_from_Noise_Barriers_Structures_using_FEA		

A2.5	N4.3	Monografii/carti de specialitate format tiparit/electronic (min. 100 pag.) in calitate de coordonator/prim autor	
		1.	Călin ITU - Materiale compozite stratificate in ingineria mecanica Editura:Universitatii Transilvania Brasov, ISBN 978-606-19-0848-6, 2016
		2.	Călin ITU - Modelarea și analiza dinamică a sistemelor multicorp în ingineria mecanică Editura: Universitatii Transilvania Brasov, ISBN 978-606-19-1359-6, 2021

RECUNOAȘTEREA IMPACTULUI ACTIVITĂȚII

3	Recunoașterea și impactul activității - RIA (A3)	Atragere resurse financiare prin granturi/proiecte/contracte terți	A3.1	Director sau responsabil partener la grant/proiect câștigat prin competiție națională sau internațională	S1 ⁽⁶⁾ = sumă echivalentă în mii Euro ⁽⁹⁾
				Membri în echipă la grant/proiect câștigat prin competiție națională sau internațională, proiecte/contracte terți	S2 ⁽⁷⁾ = sumă echivalentă în mii Euro ⁽⁸⁾
		Prezentarea/Diseminarea rezultatelor: prezență la manifestări științifice în calitate de autor/co-autor de lucrări, profesor invitat	A3.2	Congrese/conferințe/workshopuri internaționale, profesor invitat la universități/institute din străinătate	N5 = număr

Condiții minime și obligatorii						
Domeniul de activitate		Indicatori	Conferențiar	Profesor	CSII	CSI
Activitatea didactică / profesională (A1)	A1.1	N1	2	2	Nu se aplică	Nu se aplică
		N1.1	0	1		
		N1.3	1	1		
	A1.2	N2	3	4		
		N2.1	1	2		
Activitatea de cercetare (A2)	A2.1 + A2.3	P1+P2	5	10	5	10
		P1	3	6	3	6
	A2.2	N3	8	10	8	10
		N3.1	3	5	3	5
	A2.4 + A2.5	N4	1	2	1	2
		N4.3	0	1	0	1
Recunoașterea impactului activității (A3)	A3.1	S1 + S2	10	50	10	50
	A3.2	N5	5	10	5	10
	A3.3	C	10	25	10	25

unde:

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

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

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

Domeniu de activitate		Indicatori	Minim necesar	Realizat
Recunoașterea impactului activității (A3)	A3.1	S1 + S2	50	98,23
	A3.2	N5	10	17
	A3.3	$C = C1 + S_{FI}$	25	152,378
Concluzie criteriu A3				Îndeplinit

C1 – număr citări articol (fără autocitări)

S_{FI} – suma factorilor de impact

Nr. crt.	Tip criteriu	Denumire criteriu		
A3.1	S2	Membru în echipă la grant/proiect câștigat prin competiție națională sau internațională, proiecte/contracte terți (ECHIV MII EURO)		
		Descriere	Punctaj	
		1.Cercetări privind comportarea mecanică a unor structuri compozite și nano-compozite hibride ranforsate cu particule, țesături și materiale reciclate în condiții agresive de mediu, NR. Proiect PN-II-ID-PCE, IDEI, cod ID_733 nr. 601 / 19.01.2009 (2009-2011) Director contract: prof. univ. dr. ing. Cerbu Camelia Valoarea sumei repartizate: 28900 RON = 6832,2 EURO (2009 1 EURO = 4,23 RON) <u>Dovada contract</u>		6,83
		2.Cercetări privind conservarea caracteristicilor mecanice ale pieselor din materiale compozite cu matrice polimerică solicitate în mediu coroziv cu variații de temperatură și umiditate perioada: 2004 - 2007 Director contract: prof. univ. dr. ing. Cerbu Camelia Valoarea sumei repartizate: 4000 RON = 1201,2 EURO (2007 1 EURO = 3,33 RON) <u>Dovada contract</u>		1,20
		3.Monitorizarea integrității structurale și autorepararea palelor de turbine eoliene și a altor structuri din compozite inteligente perioada:2014 - 2017 finanțator: UEFISCDI NrContract:59/2014 Director contract: prof. univ. dr. ing. Curtu Ioan Valoarea sumei repartizate: 10630.41 RON = 2390,0 EURO (2014 1 EURO = 4,44 RON) <u>Dovada contract</u>		2,39
		4.Efectuare calcule pentru rezistența caroseriei autobuzului interurban HOCLL, Contract cercetare științifică 13652/7272/2007 cu ROMAN S.A Director contract: conf. univ. dr. ing. Ulea Mihai Valoarea sumei repartizate: 700 RON = 210,2 EURO (2007 1 EURO = 3,33 RON) <u>Dovada contract</u>		0,21
		5.Proiectarea și executarea a două utilaje, primul cu capacitatea maximă de ridicare de 7 tone și înălțime de ridicare maximă 13 metri și al doilea cu capacitatea maximă de ridicare de 8 tone și înălțime de ridicare maximă de 10 metri, Contract nr 2452-T26 JLG1643/JLG1732, beneficiar: JLG Industries Corporation Director proiect: Senior Chief Engineer Horia Haghiac Valoarea sumei repartizate: 89.410,82 USD = 65.502,43 EURO (2014 1USD = 1,365 EURO) <u>Dovada contract</u>		65,5
6.Proiectarea și executarea unui utilaj cu capacitatea maximă de ridicare de 4.5 tone și înălțime de ridicare maximă 23 metri, Contract nr 2576-T90 JLG1075, beneficiar: JLG Industries Corporation Director proiect: Senior Chief Engineer Horia Haghiac Valoarea sumei repartizate: 24.752,00 USD = 22.105,92 EURO (2019 1USD = 1,1197 EURO) <u>Dovada contract</u>		22,1		
		TOTAL	98,23	

A3.2	N5	Prezentarea/Diseminarea rezultatelor: prezentări la manifestări științifice (congrese/conferințe/workshopuri internaționale) în calitate de autor/co-autor de lucrări, profesor invitat la universități/institute din străinătate
		1. Itu Călin , Analysis for some constructive parameters of the engine with Turning Arm comparison by conventional engine with internal combustion, The 5 th International Conference - Tehnonav 2006 - Link
		2. Călin Itu , Florin Dogaru, Marius Baba, Dynamic con-rod analysis for different type of materials based on virtual simulation, International Conference on Material Science and Engineering - BRAMAT 2007 - Link
		3. Mariana Domnica Stanciu, Ioan Curtu, Călin Itu , Influence of the strengthening bars of Guitar's plates on the normal modes of vibrations using finite element method, The 19 th International DAAAM symposium. "Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions" - Trnava 2008 - Link
		4. Ioan Curtu, Mariana Domnica Stanciu, Itu Călin , Raimond Grimberg - Numerical modelling of the acoustic plates as constituents of stringed instruments, The 6 th International DAAAM Baltic Conference - Estonia 2008 - Link
		5. Mariana D. Stanciu, Ioan Curtu, Călin Itu , Adriana Savin, Researches concerning to the free and forced vibrations of the acoustic ligno-cellulose plates, 12 th International Research/Expert Conference, "Trends in the Development of Machinery and Associated Technology" - TMT 2008, Istambul - Link
		6. Călin Itu , Camelia Cerbu, Virtual methods for the assessment of the forced response of a structure under the action of an external disruptive force, The 4 th International Conference „Computational Mechanics and Virtual Engineering” - COMEC 2011 - Link
		7. C. Itu , M.L. Scutaru, Comparative dynamic analysis for a door car using different types of material based on virtual simulation, The 4 th International Conference “Advanced Composite Materials Engineering” - COMAT 2012 - Link
		8. Călin Itu , Theoretical engine design solution to minimize consumption and pollution, The 5 th International Conference Computational “Computational Mechanics and Virtual Engineering” - COMEC 2013 - Link
		9. Călin Itu , Maria Luminița Scutaru, Research regarding damage detection in the inertial dampers of the electric vehicle, The 6 th International Conference “Computational Mechanics and Virtual Engineering” - COMEC 2015 - Link
		10. C. Itu , C.Cerbu, A.C.V. Popa, Computational methods concerning the simulation of the mechanical tests in case of some composite materials, The 3 rd International Conference on “Computational Mechanics and Virtual Engineering” COMEC 2009 - Link
		11. Ulea, M., Itu, C. , FEM Analysis for Statically Roll Over Test of a Bus Bodywork Section, Proceedings of the 3 rd International Conference “Advanced Composite Materials Engineering and International Conference Research & Innovation in Engineering COMAT 2010 - Link
		12. Curtu I., Stanciu M.D., Itu C., Savin A., Rosu D., Researches regarding the structural optimization of classical guitar body, The 7 th Edition of International Conference „Wood Science and Engineering in the Third Millennium”, ICWSE 2009 - Link
13. Stanciu Mariana Domnica, Curtu Ioan, Cosereanu Camelia, Itu Călin, Rusu Sebastian, Năstac Silviu, New concept about stiffness of guitar soundboard based on golden section numbers, 13 th International Research/Expert Conference “Trends in the Development of Machinery and Associated Technology” - TMT 2009, Hammamet, Tunisia - Link		

A3.2	N5	Prezentarea/Diseminarea rezultatelor: prezentări la manifestări științifice (congrese/conferințe/workshopuri internaționale) în calitate de autor/co-autor de lucrări, profesor invitat la universități/institute din străinătate	
		14.	Mirela Coman, Ioan Curtu, Călin Itu , Mariana Domnica Stanciu, Analysis of joints and ornaments of the wooden churches structures in Maramureș county, International Conference “Wood Science and Engineering in the Third Millennium” - ICWSE 2015 - Link
		15.	Stanciu M.D, Curtu I., Cerbu C., Timar I., Itu C. , The Simulation of Accidental Impact with Stones from Road Traffic in Case of Noise Barriers made of Different Materials, The 15 th International Research/Experts Conference “Trends in the Development of Machinery and Associated Technology -TMT 2011, Praga - Link
		16.	Itu Călin , Curtu Ioan, Năstac Silviu, Stanciu Mariana Domnica, Particular Issues on Dynamics of Flexible Structures, The 5 th International Conference “Challenges of the Knowledge Society”, CKS – CERDOCT Doctoral Schools, Bucuresti, 2011 - Link
		17.	Stanciu Mariana Domnica, Curtu Ioan, Itu Calin , Nastac Silviu, Savin Adriana, The Dynamic Behavior of Sound Barrier in case of Accidental Impact with Stones from Road Traffic, The 5th International Conference Challenges of the Knowledge Society, CKS – CERDOCT Doctoral Schools, Bucuresti, 2011 - Link

Pentru acces la dovada tuturor materialelor de la punctul A3.2 [click aici](#).

A2.1	C	Citari in publicatii BDI (Web of Science si SCOPUS)	C1
		1. Improved rigidity of composite circular plates through radial ribs Autori: Călin Itu , Andreas Ochsner, Sorin Vlase, Marin Marin SAGE Journal, FI: 2,014 (în anul 2019) ISSN: 1464 -4207, WOS: 000476523700008 Link: https://apps-webofknowledge-com.am.e-nformation.ro	2,014

		Articole care citează articolul 1. Improved rigidity of composite circular plates through radial ribs	FI
1.		Babaei, Hadi; Eslami, M. Reza, Nonlinear analysis of thermal-mechanical coupling bending of FGP infinite length cylindrical panels based on PNS and NSGT APPLIED MATHEMATICAL MODELLING, Volume 91; pag. 1061 – 1080 Published: MAR 2021, ISSN: 0307-904X; eISSN: 1872-8480 WOS:000606192500007 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=175&SID=C4QAFHdqCB2whUN3aNh&page=1&doc=1	3,633
2.		Sharma, M. D., Correct procedure to study reflection in orthotropic thermoelastic medium: Inhomogeneous propagation of waves APPLIED MATHEMATICS AND COMPUTATION, Volume: 3 , Article Number: 125692 Published: FEB 2021 ISSN: 0096-3003; eISSN: 1873-5649 WOS:000592473000016 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=178&SID=C4QAFHdqCB2whUN3aNh&page=1&doc=2	3,472
3.		Saeed, Tareq; A. Abbas, Ibrahim, The Effect of Fractional Time Derivative on Two-Dimension Porous Materials Due to Pulse Heat Flux MATHEMATICS, Volume: 9 , Article Number: 207 Published: FEB 2021 eISSN: 2227-7390 WOS:000615400200001 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=3&SID=C49XhAez7pqPlu7WD1s&page=1&doc=3	1,747
		Articole care citează articolul 1. Improved rigidity of composite circular plates through radial ribs	FI
4.		Saeed, Tareq, Photo-thermo-elastic interaction in a semiconductor material upon hyperbolic two-temperature and thermal relaxation times WAVES IN RANDOM AND COMPLEX MEDIA, Published: JAN 2021 ISSN: 1745-5030; eISSN: 1745-5049 WOS:000612096700001 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=6&SID=C49XhAez7pqPlu7WD1s&page=1&doc=4	3,33

5.	<p>Babaei, Hadi; Eslami, M. Reza, On nonlinear vibration and snap-through buckling of long FG porous cylindrical panels using nonlocal strain gradient theory COMPOSITE STRUCTURES, Volume: 256 , Article Number: 113125 Published: JAN 2021 ISSN: 0263-8223; eISSN: 1879-1085 WOS:000600896100006 https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=9&SID=C49XhAez7pqPIu7WD1s&page=1&doc=5</p>	5,169
6.	<p>Zeeshan, A.; Masud, U.; Saeed, T.; Hobiny, A., On the effects of chemical reaction on controlled heat and mass transfer in magnetized non-Newtonian biofluid through a long rectangular tunnel JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, Published: JAN 2021 ISSN: 1388-6150; eISSN: 1588-2926 WOS:000604833900006 https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=12&SID=C49XhAez7pqPIu7WD1s&page=1&doc=6</p>	2,731
7.	<p>Kaur, Iqbal; Lata, Parveen; Singh, Kulvinder, Study of frequency shift and thermoelastic damping in transversely isotropic nano-beam with GN III theory and two temperature, ARCHIVE OF APPLIED MECHANICS, Published: JAN 2021 ISSN: 0939-1533; eISSN: 1432-0681 WOS:000604445000001 https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=15&SID=C49XhAez7pqPIu7WD1s&page=1&doc=7</p>	1,547
8.	<p>Zaher, A. Z.; Moawad, A. M. A.; Mekheimer, Kh. S.; Bhatti, M. M., Residual time of sinusoidal metachronal ciliary flow of non-Newtonian fluid through ciliated walls: fertilization and implantation BIOMECHANICS AND MODELING IN MECHANOBIOLOGY, Published: JAN 2021 ISSN: 1617-7959; eISSN: 1617-7940 WOS:000604173400001 https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=18&SID=C49XhAez7pqPIu7WD1s&page=1&doc=8</p>	2,915
9.	<p>Ezzat, Magdy A., A novel model of fractional thermal and plasma transfer within a non-metallic plate SMART STRUCTURES AND SYSTEMS, Volume 27; pag. 73 – 87 Published: JAN 2021 ISSN: 1738-1584; eISSN: 1738-1991 WOS:000605631800006 https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=24&SID=C49XhAez7pqPIu7WD1s&page=1&doc=9</p>	3,557

	Articole care citează articolul 1. Improved rigidity of composite circular plates through radial ribs	FI
10.	<p>Pan, Wujiu; Li, Hongshuang; Wang, Minghai; Wang, Linlin, Elastothermodynamic damping modeling of three-layer Kirchhoff-Love microplate considering three-dimensional heat conduction APPLIED MATHEMATICAL MODELLING, Volume 89; pag. 1912 – 1931, Part: 2 Published: JAN 2021 ISSN: 0307-904X; eISSN: 1872-8480 WOS:000591175400013 https://apps-webofknowledge-com.am.e-information.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=27&SID=C49XhAez7pqPlu7WD1s&page=1&doc=10</p>	3,633
11.	<p>Lazar, Zsolt I.; Jakovac, Antal; Hantz, Peter, Analyzing the Motion of Symmetric Tops Without Recurring to Analytical Mechanics, FRONTIERS IN PHYSICS, Volume 8; Article number: 584294 Published: DEC 23 2020 ISSN: 2296-424X WOS:000605961200001 https://apps-webofknowledge-com.am.e-information.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&SID=C49XhAez7pqPlu7WD1s&page=1&doc=11</p>	2,638
12.	<p>Zhang, Lijun; Bhatti, Muhammad Mubashir; Michaelides, Efstathios E., Electro-magnetohydrodynamic flow and heat transfer of a third-grade fluid using a Darcy-Brinkman-Forchheimer model INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT & FLUID FLOW, Published: DEC 2020 ISSN: 0961-5539; eISSN: 1758-6585 WOS:000598603800001 https://apps-webofknowledge-com.am.e-information.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&SID=C49XhAez7pqPlu7WD1s&page=1&doc=12</p>	2,871
13.	<p>Marin, Marin; Vlase, Sorin; Tuns, Ioan, The mixed problem in the theory of strain gradient thermoelasticity approached with the Lagrange identity BOUNDARY VALUE PROBLEMS, Volume 2020; Article number: 174 Published: DEC 2 2020 ISSN: 1687-2770 WOS:000595351400001 https://apps-webofknowledge-com.am.e-information.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&SID=C49XhAez7pqPlu7WD1s&page=1&doc=13</p>	1,794
14.	<p>Gonzalez-Diaz, Rocio; Mainar, E.; Paluzo-Hidalgo, Eduardo; Rubio, B., Neural-Network-Based Curve Fitting Using Totally Positive Rational Bases MATHEMATICS, Volume 8; Article number: 2197, Published: DEC 2020 eISSN: 2227-7390 WOS:000602162200001 https://apps-webofknowledge-com.am.e-information.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&SID=C49XhAez7pqPlu7WD1s&page=1&doc=15</p>	1,747
15.	<p>Kupervasser, Oleg; Kutomanov, Hennadii; Levi, Ori; Pukshansky, Vladislav; Yavich, Roman, Using Deep Learning for Visual Navigation of Drone with Respect to 3D Ground Objects MATHEMATICS, Volume 8; Article number: 2140 Published: DEC 2020 eISSN: 2227-7390 WOS:000602092800001 https://apps-webofknowledge-com.am.e-information.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&SID=C49XhAez7pqPlu7WD1s&page=1&doc=16</p>	1,747

	Articole care citează articolul 1. Improved rigidity of composite circular plates through radial ribs	FI
16.	Lotfy, Kh.; El-Bary, A. A.; El-Sharifc, A. H., Ramp-type heating microtemperature for a rotator semiconducting material during photo-excited processes with magnetic field, RESULTS IN PHYSICS, Volume: 19, Article Number: 103338 Published: DEC 2020 ISSN: 2211-3797 WOS:000604198900006 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&ID=C49XhAez7pqPIu7WD1s&page=1&doc=17	4,019
17.	Saleem, Anber; Akhtar, Salman; Alharbi, Fahad M.; Nadeem, S.; Ghalambaz, Mehdi; Issakhov, Alibek, Physical aspects of peristaltic flow of hybrid nano fluid inside a curved tube having ciliated wall RESULTS IN PHYSICS, Volume: 19, Article Number: 103431 Published: DEC 2020 ISSN: 2211-3797 WOS:000604209900005 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&ID=C49XhAez7pqPIu7WD1s&page=1&doc=18	4,019
18.	Alshaikh, Fatimah, Effects of thermal relaxation times and porosity in a Lord-Shulman and refined multi-phase lags model of generalized thermoelasticity MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES, Published: DEC 2020 ISSN: 1539-7734; eISSN: 1539-7742 WOS:000589857300001 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&ID=C49XhAez7pqPIu7WD1s&page=1&doc=19	2,286
19.	Mirsalimov, Vagif M., Elastic-plastic problem for a circular hole plate with regard to crack initiation in elastic zone ARCHIVE OF APPLIED MECHANICS, Published: NOV 2020 ISSN: 0939-1533; eISSN: 1432-0681 WOS:000588244200001 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&ID=C49XhAez7pqPIu7WD1s&page=1&doc=20	1,547
20.	Lotfy, Kh.; Elidy, E. S.; Tantawi, Ramdan S., Photothermal Excitation Process during Hyperbolic Two-Temperature Theory for Magneto-Thermo-Elastic Semiconducting Medium SILICON, Published: NOV 2020 ISSN: 1876-990X; eISSN: 1876-9918 WOS:000587971900002 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&ID=C49XhAez7pqPIu7WD1s&page=1&doc=21	1,499

	Articole care citează articolul 1. Improved rigidity of composite circular plates through radial ribs	FI
21.	<p>Khan, Anwar; Ashraf, Muhammad; Rashad, Ahmed M.; Nabwey, Hossam A., Impact of Heat Generation on Magneto-Nanofluid Free Convection Flow about Sphere in the Plume Region MATHEMATICS, Volume: 8, Issue: 11, Article Number: 2010 Published: NOV 2020 eISSN: 2227-7390 WOS:000594010300001 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&S_ID=C49XhAez7pqPlu7WD1s&page=1&doc=22</p>	1,747
22.	<p>Katouzian, Mostafa; Vlase, Sorin, Mori-Tanaka Formalism-Based Method Used to Estimate the Viscoelastic Parameters of Laminated Composites dagger POLYMERS, Volume: 12, Issue: 11, Article Number: 2481 Published: NOV 2020 eISSN: 2073-4360 WOS:000593782500001 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&S_ID=C49XhAez7pqPlu7WD1s&page=1&doc=23</p>	3,636
23.	<p>Lotfy, Kh.; El-Bary, A. A., Response of Mechanical Ramp Type of Semiconductor Magneto-Rotator Medium with Variable Thermal Conductivity during Photo-Excitation Microelement Processes SILICON, Published: OCT 2020 ISSN: 1876-990X; eISSN: 1876-9918 WOS:000582313800002 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&S_ID=C49XhAez7pqPlu7WD1s&page=1&doc=24</p>	1,499
24.	<p>Alzahrani, Faris; Abbas, Ibrahim, The Effect of a Hyperbolic Two-Temperature Model with and without Energy Dissipation in a Semiconductor Material MATHEMATICS, Volume: 8, Issue: 10, Article Number: 1711 Published: OCT 2020 eISSN: 2227-7390 WOS:000586157900001 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&S_ID=C49XhAez7pqPlu7WD1s&page=1&doc=25</p>	1,747
25.	<p>Chu, Yu-Ming; Khan, Umair; Zaib, A.; Shah, S. H. A. M., Numerical and Computer Simulations of Cross-Flow in the Streamwise Direction through a Moving Surface Comprising the Significant Impacts of Viscous Dissipation and Magnetic Fields: Stability Analysis and Dual Solutions MATHEMATICAL PROBLEMS IN ENGINEERING, Volume: 2020, Article Number: 8542396 Published: SEP 30 2020 ISSN: 1024-123X; eISSN: 1563-5147 WOS:000582417700011 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&S_ID=C49XhAez7pqPlu7WD1s&page=2&doc=26</p>	1,009

	Articole care citează articolul 1. Improved rigidity of composite circular plates through radial ribs	FI
26.	Vlase, Sorin; Nicolescu, Adrian Eracle; Marin, Marin, New Analytical Model Used in Finite Element Analysis of Solids Mechanics MATHEMATICS, Volume: 8, Issue: 9, Article Number: 1401 Published: SEP 2020 eISSN: 2227-7390 WOS:000580249200001 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&ID=C49XhAez7pqPIu7WD1s&page=2&doc=27	1,747
27.	Hobiny, Aatef, Effect of the hyperbolic two-temperature model without energy dissipation on photo-thermal interaction in a semi-conducting medium RESULTS IN PHYSICS, Volume: 18, Article Number: 103167, Published: SEP 2020 ISSN: 2211-3797 WOS:000577356300006 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&ID=C49XhAez7pqPIu7WD1s&page=2&doc=28	4,019
28.	Marin, Marin; Oechsner, Andreas; Vlase, Sorin, Behavior of energies in strain gradient thermoelasticity of bodies with microtemperatures CONTINUUM MECHANICS AND THERMODYNAMICS, Published: AUG 2020 ISSN: 0935-1175; eISSN: 1432-0959 WOS:000557724000001 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&ID=C49XhAez7pqPIu7WD1s&page=2&doc=29	2,139
29.	Vlase, Sorin; Marin, Marin; Ochsner, Andreas, Gibbs-Appell method-based governing equations for one-dimensional finite elements used in flexible multibody systems, CONTINUUM MECHANICS AND THERMODYNAMICS, Published: AUG 2020 ISSN: 0935-1175; eISSN: 1432-0959 WOS:000555718500001 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&ID=C49XhAez7pqPIu7WD1s&page=2&doc=30	2,139
30.	Guangbao, Wang; Guangtao, Ding, The Lagrangian and Hamiltonian for the Two-Dimensional Mathews-Lakshmanan Oscillator ADVANCES IN MATHEMATICAL PHYSICS, Volume: 2020, Article Number: 2378989 Published: AUG 1 2020 ISSN: 1687-9120; eISSN: 1687-9139 WOS:000561326400001 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&ID=C49XhAez7pqPIu7WD1s&page=2&doc=31	1,13
31.	Fu, J. W.; Qian, L. F., Heat Concentration around a Cylindrical Interface Crack in a Composite Tube ADVANCES IN MATHEMATICAL PHYSICS, Volume: 2020, Article Number: 5849690 Published: JUN 12 2020 ISSN: 1687-9120; eISSN: 1687-9139 WOS:000543479000001 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&ID=C49XhAez7pqPIu7WD1s&page=2&doc=32	1,13

	Articole care citează articolul 1. Improved rigidity of composite circular plates through radial ribs	FI
32.	Othman, Mohamed I. A.; Alharbi, Amnah M.; Al-Autabi, Al-Anoud M. Kh, Micropolar thermoelastic medium with voids under the effect of rotation concerned with 3PHL model GEOMECHANICS AND ENGINEERING, Volume: 21, Issue: 5, Pages: 447-459 Published: JUN 10 2020 ISSN: 2005-307X WOS:000533548000005 https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&SID=C49XhAez7pqPlu7WD1s&page=2&doc=33	2,485
33.	Scutaru, Maria Luminita; Vlase, Sorin; Marin, Marin; Modrea, Arina, New analytical method based on dynamic response of planar mechanical elastic systems BOUNDARY VALUE PROBLEMS, Volume: 2020, Issue: 1, Article Number: 104 Published: JUN 5 2020 ISSN: 1687-2770 WOS:000540322500001 https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&SID=C49XhAez7pqPlu7WD1s&page=2&doc=34	1,794
34.	Mitu, Gabriel Leonard; Chircan, Eliza; Scutaru, Maria Luminita; Vlase, Sorin, Kane's Formalism Used to the Vibration Analysis of a Wind Water Pump SYMMETRY-BASEL, Volume: 12, Issue: 6, Article Number: 1030 Published: JUN 2020 eISSN: 2073-8994 WOS:000550796200001 https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&SID=C49XhAez7pqPlu7WD1s&page=2&doc=35	2,645
35.	Vlase, Sorin; Negrean, Iuliu; Marin, Marin; Nastac, Silviu, Kane's Method-Based Simulation and Modeling Robots with Elastic Elements, Using Finite Element Method, MATHEMATICS, Volume: 8, Issue: 5, Article Number: 805 Published: MAY 2020 eISSN: 2227-7390 WOS:000542738100206 https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&SID=C49XhAez7pqPlu7WD1s&page=2&doc=36	1,747
36.	Scutaru, Maria Luminita; Chircan, Eliza; Vlase, Sorin; Marin, Marin, Finite Element used in the dynamic analysis of a mechanical plane MBS with a planar rigid motion ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, Volume: 63, Issue: 1, Pages: 45-50, Published: MAR 2020 ISSN: 1221-5872 WOS:000528235300006 https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&SID=C49XhAez7pqPlu7WD1s&page=2&doc=37	0
37.	Eliza, Chircan; Luminita, Scutaru Maria; Ana, Toderita; Arina, Modrea, Motion Equation of a Rectangular Finite Element with a Two-Dimension Motion in a Membrane State, 13TH INTERNATIONAL CONFERENCE INTERDISCIPLINARITY IN ENGINEERING (INTER-ENG 2019), Volume: 46, Pages: 209-216 Published: 2020 ISSN: 2351-9789 WOS:000582466200030 https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&SID=C49XhAez7pqPlu7WD1s&page=2&doc=39	0

	Articole care citează articolul 1. Improved rigidity of composite circular plates through radial ribs	FI
38.	Modrea, Arina; Munteanu, Violeta Mihaela; Pruncu, Iulian, Using the Symmetries in the Civil Engineering. An overview, 13TH INTERNATIONAL CONFERENCE INTERDISCIPLINARITY IN ENGINEERING (INTER-ENG 2019), Volume: 46, Pages: 906-913 Published: 2020 ISSN: 2351-9789 WOS:000582466200128 https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&S ID=C49XhAez7pqPIu7WD1s&page=2&doc=40	0
39.	Abbas, Ibrahim; Hobiny, Aatef; Marin, Marin, Photo-thermal interactions in a semi-conductor material with cylindrical cavities and variable thermal conductivity, JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, Volume: 14, Issue: 1, Pages: 1369-1376, Published: JAN 1 2020 ISSN: 1658-3655 WOS:000572276800001 https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&S ID=C49XhAez7pqPIu7WD1s&page=2&doc=41	1,863
40.	Alhussain, Ziyad Ali, Some aspect of perturbed extended general quasi variational inequality by using auxiliary principle technique JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, Volume: 14, Issue: 1, Pages: 1110-1115, Published: JAN 1 2020 ISSN: 1658-3655 WOS:000558469500001 https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&S ID=C49XhAez7pqPIu7WD1s&page=2&doc=42	1,863
41.	Yazdi, Ali Kalami; Nadjafikhah, Mehdi; Distefano, Joseph, III, COMBOS2: an algorithm to the input-output equations of dynamic biosystems via Gaussian elimination, JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE, Volume: 14, Issue: 1, Pages: 896-907, Published: JAN 1 2020 ISSN: 1658-3655 WOS:000547135300001 https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&S ID=C49XhAez7pqPIu7WD1s&page=2&doc=43	1,863
42.	Vlase, Sorin; Scarlatescu, Daniel; Marin, Marin; Oechsner, Andreas, Finite element analysis of an elbow tube in concrete anchor used in water supply networks, PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS, Volume: 234, Issue: 1, Pages: 3-11 Published: JAN 2020 ISSN: 1464-4207; eISSN: 2041-3076 WOS:000483871200001 https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&S ID=C49XhAez7pqPIu7WD1s&page=2&doc=44	2,014

	Articole care citează articolul 1. Improved rigidity of composite circular plates through radial ribs	FI
43.	Vlase, Sorin; Scarlatescu, Dumitru Daniel; Scutaru, Maria Luminita, Stress field in tubes made of high-density polyethylene used in water supply systems ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, Volume: 62, Issue: 2, Pages: 273-280 Published: JUN 2019 ISSN: 1221-5872 WOS:000483186000007 https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&S_ID=C49XhAez7pqPlu7WD1s&page=2&doc=45	0
44.	Scarlatescu, Dumitru Daniel; Vlase, Sorin; Crisan, Adina; Modrea, Arina, Traction tests to determine the behavior of the materials used in water supply networks ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, Volume: 62, Issue: 1, Pages: 175-182, Published: MAR 2019 ISSN: 1221-5872 WOS:000464577100024 https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&S_ID=C49XhAez7pqPlu7WD1s&page=2&doc=47	0
45.	Scarlatescu, Dumitru Daniel; Modrea, Arina; Stanciu, Mariana Domnica, Three-point Bend Test to Determine the Mechanical Behavior of the Tubes Used in Water Supply Networks, 12TH INTERNATIONAL CONFERENCE INTERDISCIPLINARITY IN ENGINEERING (INTER-ENG 2018), PROCDIA MANUFACTURING, Volume: 32, Pages: 179-186 Published: 2019 ISSN: 2351-9789 WOS:000471295800026 https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&S_ID=C49XhAez7pqPlu7WD1s&page=2&doc=50	0
46.	Modrea, Arina; Hebert, Hektor; Scarlatescu, Dumitru Daniel, FEM Applied to Determine the Stress-strain Field in the Tubes of the Water Supply Networks 12TH INTERNATIONAL CONFERENCE INTERDISCIPLINARITY IN ENGINEERING (INTER-ENG 2018), PROCDIA MANUFACTURING, Volume: 32, Pages: 187-193 Published: 2019 ISSN: 2351-9789 WOS:000471295800027 https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&S_ID=C49XhAez7pqPlu7WD1s&page=3&doc=51	0
47.	Modrea, Arina; Scarlatescu, Dumitru Daniel; Gligor, Adrian, Mechanical Behavior of the HDPE Tubes Used in Water Supply Networks Determined with the Four-Point Bending Test, 12TH INTERNATIONAL CONFERENCE INTERDISCIPLINARITY IN ENGINEERING (INTER-ENG 2018), PROCDIA MANUFACTURING, Volume: 32, Pages: 194-200 Published: 2019 ISSN: 2351-9789 WOS:000471295800028 https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&S_ID=C49XhAez7pqPlu7WD1s&page=3&doc=52	0
	Total FI	88,527

A2.1	C	Citari in publicatii BDI (Web of Science si SCOPUS)	C1
		<p>2. Elasto-dynamics of a solid with a general rigid motion using FEM model. part II. Analysis of a double cardan joint</p> <p>Autori: S. VLASE, P.P. TEODORESCU, C. ITU, M.L.SCUTARU</p> <p>Romanian Journal of Physics, FI: 1,197 (în anul 2019)</p> <p>ISSN: 1221 -146X, WOS: 000326143500014</p> <p>https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=125&SID=C49XhAez7pqPlu7WD1s&page=1&doc=15</p>	1,197

		Articole care citează articolul 2. Elasto-dynamics of a solid with a general rigid motion using FEM model. part II. Analysis of a double cardan joint	FI
1.		<p>Modrea, Arina; Munteanu, Violeta Mihaela; Pruncu, Iulian, Using the Symmetries in the Civil Engineering. An overview, 13TH INTERNATIONAL CONFERENCE INTERDISCIPLINARITY IN ENGINEERING (INTER-ENG 2018), PROCEEDIA MANUFACTURING, Volume: 46, Pages: 906-913</p> <p>Published: 2020</p> <p>ISSN: 2351-9789</p> <p>WOS:000582466200128</p> <p>https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=141&SID=C49XhAez7pqPlu7WD1s&page=1&doc=2</p>	0
2.		<p>Chircan, Eliza; Scutaru, Maria Luminita; Simionescu, Cristian; Vlase, Sorin, Influence of the number of finite elements on determination the modal response in the analysis of multibody systems with elastic elements</p> <p>ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, Volume: 62, Issue: 3, Pages: 489-496</p> <p>Published: SEP 2019</p> <p>ISSN: 1221-5872</p> <p>WOS:000489767000017</p> <p>https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=141&SID=C49XhAez7pqPlu7WD1s&page=1&doc=3</p>	0
3.		<p>Chircan, Eliza; Scutaru, Maria-Luminita; Pruncu, Catalin Iulian, Two-Dimensional Finite Element in General Plane Motion Used in the Analysis of Multi-Body Systems</p> <p>SYMMETRY-BASEL, Volume: 11, Issue: 7, Article Number: 848</p> <p>Published: JUL 2019</p> <p>eISSN: 2073-8994</p> <p>WOS: 000481979000013</p> <p>https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=141&SID=C49XhAez7pqPlu7WD1s&page=1&doc=4</p>	2,645
4.		<p>Scutaru, Maria Luminita; Chircan, Eliza; Marin, Marin, Study of an elastic beam, in centrifugal field, using finite element method</p> <p>ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, Volume: 62, Issue: 2, Pages: 251-256</p> <p>Published: JUN 2019</p> <p>ISSN: 1221-5872</p> <p>WOS: 000483186000004</p> <p>https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=3&SID=D6geJglFg856WoYPeSh&page=1&doc=5</p>	0

	Articole care citează articolul 2. Elasto-dynamics of a solid with a general rigid motion using FEM model. part II. Analysis of a double cardan joint	FI
5.	Negrean, Iuliu; Crisan, Adina, Formulations on accuracy in advanced robot mechanics ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, Volume: 62, Issue: 1, Pages: 23-32 Published: MAR 2019 ISSN: 1221-5872, WOS: 000464577100004 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=3&SID=D6gejglFg856WoYPeSh&page=1&doc=6	0
6.	Vlase, Sorin; Mihalca, Mircea; Scutaru, Maria Luminita, Determining the Functional Parameters of a Simple Speed Regulator ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION, Volume: 16, Issue: 1, Pages: 10-14 Published: 2019 ISSN: 1584-7284, WOS: 000502625500002 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=3&SID=D6gejglFg856WoYPeSh&page=1&doc=7	0
7.	Molaie, A.; Ebrahimi, E., Design and fabrication of a cardan joint used in a rebar rolling line JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES, Volume: 8, Pages: 2850-2858, Supplement: 3, Special Issue: SI Published: 2016 ISSN: 1112-9867, WOS: 000399173800073 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=3&SID=D6gejglFg856WoYPeSh&page=1&doc=8	0
8.	Scutaru, Maria Luminita; Mitrica, Bogdan, Dynamical Analysis of the Mechanical System with Two Degrees of Freedom Applied to the Transmission of the Wind Turbine MATHEMATICAL PROBLEMS IN ENGINEERING, Volume: 2016, Article Number: 3821083 Published: 2016, WOS: 000374980300001 ISSN: 1024-123X; eISSN: 1563-5147 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=3&SID=D6gejglFg856WoYPeSh&page=1&doc=9	1,009
9.	Munteanu, Ildiko Renata; Dani, Peter; Galfi, Botond-Pal; Serbina, Leonard, Original electric stand and approach on the intumescent paint's experimental investigation ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, Volume: 58, Issue: 2, Pages: 279-284 Published: JUN 2015 ISSN: 1221-5872, WOS: 000387965200021 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=3&SID=D6gejglFg856WoYPeSh&page=1&doc=10	0
10.	Vlase, S., Eigenvalues and Eigenmodes of an inclined homogeneous truss in a rotational field ROMANIAN JOURNAL OF PHYSICS, Volume: 59, Issue: 7-8, Pages: 699-714 Published: 2014 ISSN: 1221-146X, WOS: 000342395800008 https://apps-webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=3&SID=D6gejglFg856WoYPeSh&page=2&doc=11	1,197
	Total FI	4,851

A2.1	C	Citari in publicatii BDI (Web of Science si SCOPUS)	C1
		3. Vibration Analysis of a Mechanical System Composed of Two Identical Parts Autori: Vlase, S., Itu, C. , Vasile, O., Năstac, C., Stanciu, M. and Scutaru, M. Romanian Journal of Acoustics and Vibration, FI: 0,74 (în anul 2018) ISSN: 1584 -7284; eISSN: 2602 – 0351, WOS: 000444766100010 https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=D6geJglFg856WoYPeSh&page=2&doc=12	1,197

Articole care citează articolul 3. Vibration Analysis of a Mechanical System Composed of Two Identical Parts		FI
1.	Chircan, Eliza; Scutaru, Maria Luminita; Simionescu, Cristian; Vlase, Sorin, Influence of the number of finite elements on determination the modal response in the analysis of multibody systems with elastic elements ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, Volume: 62, Issue: 3, Pages: 489-496 Published: SEP 2019 ISSN: 1221-5872 WOS: 000489767000017 https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=32&SID=D6geJglFg856WoYPeSh&page=1&doc=1	0
2.	Crisan, Adina-Veronica; Negrean, Iuliu, y A Numerical Model for Computing the Geometrical Errors Using Transfer Matrices in Case of a 5R Robot ROMANIAN JOURNAL OF ACOUSTICS AND VIBRATION, Volume: 16, Issue: 1, Pages: 72-77 Published: 2019 ISSN: 1584-7284 WOS: 000502625500010 https://apps-whoofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=CitingArticles&qid=32&SID=D6geJglFg856WoYPeSh&page=1&doc=2	0
Total FI		0