

Opis dosar gradație

Numele și prenumele: **MINEA ALINA ADRIANA**

Funcția didactică: **profesor**

Facultatea/ Departamentul: **FACULTATEA DE ȘTIINȚA ȘI INGINERIA
MATERIALELOR / DEPARTAMENTUL TEPM**

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Semnătura

Data 06.11.2018

Domnule Decan,

Subsemnata, prof.dr.habil. ing. Alina Adriana MINEA, cadru didactic al Universității Tehnice „Gheorghe Asachi” din Iași cu funcția actuală de profesor, în cadrul Facultății de Știința și Ingineria Materialelor, solicit, prin prezenta, înscrierea la concursul pentru acordarea gradației de merit pentru perioada 2018 - 2023, conform Procedurii privind acordarea gradațiilor de merit pentru personalul didactic titular din cadrul Universității Tehnice „Georghe Asahi” din Iasi, PO.DID.11

Data,

06.11.2018

Semnătura,

prof.dr.habil. ing. Alina Adriana MINEA

Domnului Decan al Facultății de Știința și Ingineria Materialelor

RAPORT DE AUTOEVALUARE PENTRU GRADAȚIE DE MERIT A ACTIVITĂȚII PENTRU ANII 2013 – 2017

Numele și prenumele: **MINEA ALINA ADRIANA**

Funcția didactică: **profesor**

Facultatea/ Departamentul: **FACULTATEA DE ȘTIINȚA ȘI INGINERIA MATERIALELOR /
DEPARTAMENTUL TEPM**

Criteriul 1. Activitatea didactică

Total puncte: **39.72**, conform fisei de autoevaluare anexate

Criteriul 2. Activitatea de cercetare științifică

Total puncte: **4473.82**, conform fisei de autoevaluare anexate

Criteriul 3. Recunoașterea națională și internațională

Total puncte: **9107**, conform fisei de autoevaluare anexate

Criteriul 4. Activitatea cu studenții

Total puncte: **238**, conform fisei de autoevaluare anexate

Criteriul 5. Activitatea în comunitatea academică

Total puncte: **289**, conform fisei de autoevaluare anexate

Criteriul de evaluare	Minimul de punctaj pentru postul de profesor	Punctaj candidat	Gradul de îndeplinire al criteriului
1. Activitate didactică (minimum: 30 puncte prof.; 15 puncte conf.; 10 puncte ș.l.; 5 puncte as.)	30	39.72	criteriu îndeplinit
2. Cercetarea științifică (minimum: 150 puncte prof.; 100 puncte conf.; 60 puncte ș.l.; 30 puncte asist.)	150	4473.82	criteriu îndeplinit
3. Recunoașterea națională și internațională (minimum: 15 puncte prof.; 10 puncte conf.; 5 puncte ș. l.)	15	9107	criteriu îndeplinit
4. Activitatea cu studenții (minimum: 10 puncte prof.; 7 puncte conf.; 5 puncte ș.l.)	10	238	criteriu îndeplinit
5. Activitatea în comunitatea academică (minimum: • 15 puncte prof.; • 10 puncte conf.; • 5 puncte s.l.)	15	289	criteriu îndeplinit

Concluzie: minimul de punctaj pe fiecare criteriu in parte este îndeplinit.

Total general raport de evaluare: 14147.54 puncte, conform fișei de autoevaluare anexate

Semnătura prof.dr.habil. ing. Alina Adriana MINEA

Data 06.11.2018

UNIVERSITATEA TEHNICĂ „GHEORGHE ASACHI” DIN IAȘI
FACULTATEA DE ȘTIINȚA ȘI INGINERIA MATERIALELOR
DEPARTAMENTUL: TEPM

GRILA DE EVALUARE

Numele și prenumele cadrului didactic evaluat	MINEA ALINA ADRIANA
Funcția didactică	Profesor univ. dr. habil. Ing.

Criteriul de evaluare	Indicatori de performanță (cu explicitarea modului de calcul a punctajului pentru fiecare realizare, conf. Anexa 1)	Punctaj															
1. Activitate didactică (minim m: • 30 puncte prof.; • 15 puncte conf.; • 10 puncte ș.l.; • 5 puncte as.)	1.1. Predare discipline/ cursuri noi în planul de învățământ, pe direcții neelaborate anterior (se punctează nr. de discipline noi) 2013-2017 Realizări: 1.1.1 . seminar Transfer de caldura si masă, an II IM , 2015 (10p) .	10															
	1.2. Elaborare manuale universitare (inclusiv în sistem e-learning) 2013-2017 Realizări: 1.2.1. A. A. Minea , Transfer de căldură și masă- aplicații și probleme -115 pag. (28rd/pag), Ed. Pim, Iasi, ISBN 978-606-13-2619-8, 2015	8.05															
	1.3. Elaborare suporturi de cursuri, seminarii, laboratoare, proiecte) 2013-2017 Realizări: 1.3.1. A. A. Minea , seminar Transfer de caldura si masă -19 pag., format electronic, 2015 (http://www.sim.tuiasi.ro/wp-content/uploads/2015/03/TME_seminar_selectie.pdf) (5.25p) 1.3.2. TEHNICI DE SIMULARE A PROCESELOR TERMOGAZODINAMICE , 2015 - lucrări practice-183 pg, http://www.sim.tuiasi.ro/wp-content/uploads/Minea-Laborator-TSPT.pdf (6.41p)	11.67															
	1.4. Elaborare manuale și alte materiale pentru învățământul preuniversitar) 2013-2017																
	1.5. Modernizare tehnologie didactică din alte surse decât din cele publice (donații, sponsorizări etc.) 2013-2017 Realizări: 1.5.1. Simularea proceselor de încălzire – lucrare noua de laborator , 2015 (5 p) 1.5.2. Simularea încălzirii In pat fluidizat, 2015 (5 p)	10															
Total punctaj Criteriu 1		39.72															
2. Cercetare științifică (minim m: • 150 puncte prof.; • 100 puncte conf.; • 60 puncte ș.l.; • 30 puncte e	2.1. Elaborare cărți/ monografii/ tratate 2013-2017 Realizări: 2.1.1. A.A. Minea , Advances in Heat Transfer Fluids: from Numerical to Experimental Techniques (532 pag) Ed. A. A. Minea, CRC press Taylor & Francis, ISBN 9781498751858 - CAT# K27275, 2017 (266p) 2.1.2. A. A. Minea , Echipamente si instalatii de incalzire, Ed. PIM, 2017, 356 pg (71.2p) 2.1.3. A.A. Minea , <i>Productivity and Technology: Techniques Related to Industrial Energy Savings</i> (ch.9), in Human Work productivity – a global perspective,(24 pag) Ed. S. Kumar, A. Mital, A. Pennathur, CRC press Taylor & Francis, pp 192-214, ISBN: 9781439899076, 2013 (12p)	349.2															
	2.2. Articole publicate în reviste de specialitate a. ISI (2013-2017) : (30+40 x F)/ n _a Realizări: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Titlu</th> <th>FI</th> <th>nr autori</th> <th>scor</th> </tr> </thead> <tbody> <tr> <td>S. Akilu, A. T. Baheta, A. A. Minea, K.V. Sharma, Rheology and thermal conductivity of non-porous silica (SiO₂) in viscous glycerol and ethylene glycol based nanofluids, International Communications in Heat And Mass Transfer, 88 (2017) 245-253, 2017</td> <td>4.463</td> <td>4</td> <td>52.13</td> </tr> <tr> <td>A. A. Minea, W. M. El-Maghlany, Natural convection heat transfer utilizing ionic nanofluids with temperature-dependent thermophysical properties, Chemical Engineering Science 174 (2017) 13–24</td> <td>3.306</td> <td>2</td> <td>81.12</td> </tr> <tr> <td>A.A. Minea, G. Lorenzini, A numerical study on ZnO based nanofluids behavior on natural convection, International Journal Of Heat And Mass Transfer, DOI: 10.1016/j.ijheatmasstransfer.2017.06.069, 114 (2017) 286-296 2017</td> <td>3.891</td> <td>2</td> <td>92.82</td> </tr> </tbody> </table>	Titlu	FI	nr autori	scor	S. Akilu, A. T. Baheta, A. A. Minea, K.V. Sharma, Rheology and thermal conductivity of non-porous silica (SiO ₂) in viscous glycerol and ethylene glycol based nanofluids, International Communications in Heat And Mass Transfer, 88 (2017) 245-253, 2017	4.463	4	52.13	A. A. Minea, W. M. El-Maghlany, Natural convection heat transfer utilizing ionic nanofluids with temperature-dependent thermophysical properties, Chemical Engineering Science 174 (2017) 13–24	3.306	2	81.12	A.A. Minea, G. Lorenzini, A numerical study on ZnO based nanofluids behavior on natural convection, International Journal Of Heat And Mass Transfer, DOI: 10.1016/j.ijheatmasstransfer.2017.06.069, 114 (2017) 286-296 2017	3.891	2	92.82
Titlu	FI	nr autori	scor														
S. Akilu, A. T. Baheta, A. A. Minea, K.V. Sharma, Rheology and thermal conductivity of non-porous silica (SiO ₂) in viscous glycerol and ethylene glycol based nanofluids, International Communications in Heat And Mass Transfer, 88 (2017) 245-253, 2017	4.463	4	52.13														
A. A. Minea, W. M. El-Maghlany, Natural convection heat transfer utilizing ionic nanofluids with temperature-dependent thermophysical properties, Chemical Engineering Science 174 (2017) 13–24	3.306	2	81.12														
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asist.)	A.A. Minea, M.G. Moldoveanu, STUDIES ON Al ₂ O ₃ , CuO AND TiO ₂ WATER BASED NANOFLUIDS: A COMPARATIVE APPROACH IN LAMINAR AND TURBULENT FLOW, Journal of engineering thermophysics, 26 (2), 291-301, 2017.	0.767	2	30.34	
	A.A. Minea, Challenges in hybrid nanofluids behavior in turbulent flow: Recent research and numerical comparison, Renewable and Sustainable Energy Reviews, DOI: 10.1016/j.rser.2016.12.072, 71 (2017) 426-434	9.184	1	397.36	
	AA Minea, O Manca, Field-synergy and Figure of Merit Analysis of Two Oxide Water Based Nanofluid Flow in Heated Tubes, Heat Transfer Engineering, DOI:10.1080/01457632.2016.1212569, Vol. 38, No. 10, 909-918, 2017.	1.216	2	39.32	
	A. A. Minea, Hybrid nanofluids based on Al ₂ O ₃ , TiO ₂ and SiO ₂ : numerical evaluation of different approaches, International Journal Of Heat And Mass Transfer, 104 (2017) 852-860, 2017	3.891	1	185.64	
	A. A. Minea , A study on Brinkman number variation on water based nanofluid heat transfer in partially heated tubes, Mechanics Research Communications, DOI: 10.1016/j.mechrescom.2016.01.013, 2016(FI=), p	1.64	1	95.6	
	A. A. Minea , Comparative study of turbulent heat transfer of nanofluids: effect of thermophysical properties on figure of merit ratio, Journal of Thermal Analysis and Calorimetry, DOI: 10.1007/s10973-015-5166-z, 2015(FI=), p	2.209	1	118.36	
	A. A. Minea , Numerical studies on heat transfer enhancement and synergy analysis on few metal oxide water based nanofluids, International Journal Of Heat And Mass Transfer, DOI: http://dx.doi.org/10.1016/j.ijheatmasstransfer.2015.06.039, vol. 89, pp.1207-1215, 2015(FI=), p	3.891	1	185.64	
	A. M. Amaro, F. V. Antunes, M. A. Neto, P. N. B. Reis, A. A. Minea , Resonant techniques as non-destructive techniques (ndt) applied to composite materials: case study on low velocity impacts detection, Environmental Engineering and Management Journal, 14 (5): 1045-1052, 2015(FI=), p	1.334	5	16.672	
	A. A. Minea , Numerical studies on heat transfer enhancement in different closed enclosures heated symmetrically, Journal of Thermal Analysis and Calorimetry, DOI: 10.1007/s10973-015-4607-z, 121 (2): 711-720, 2015(FI=), p	2.209	1	118.36	
	A. A. Minea , Numerical Simulation of Nanoparticles Concentration Effect on Forced Convection in a Tube with Nanofluids, Heat Transfer Engineering, DOI: 10.1080/01457632.2015.987628, 36(13):1144-1153, 2015(FI= 0,898), 42,96p	1.216	1	78.64	
	A. A. Minea , Simulation of nanofluids turbulent forced convection at high Reynolds number: a comparison study of thermophysical properties influence on heat transfer enhancement, Flow, turbulence and combustion, DOI: 10.1007/s10494-014-9590-0, 94:555-575, 2015(FI=), p	2.207	1	118.28	
	A. A. Minea , A review on analytical techniques for natural convection investigation in a heated closed enclosure: case study, <i>Thermal Science</i> , on-line first, doi:10.2298/TSCI131027021M, 2014, (FI= 0,962), 44,24p	1.433	1	87.32	
	A. A. Minea , Uncertainties in modeling thermal conductivity of laminar forced convection heat transfer with water alumina nanofluids, <i>International Journal Of Heat And Mass Transfer</i> , vol.68, pp. 78-84, DOI: 10.1016/j.ijheatmasstransfer.2013.09.018, 2014(FI=2.522), 75,44p	3.891	1	185.64	
	A. A. Minea , Effect of microtube length on heat transfer enhancement of an water/Al ₂ O ₃ nanofluid at high reynolds numbers, <i>International Journal Of Heat And Mass Transfer</i> , vol.62, pp. 22-30, DOI: 10.1016/j.ijheatmasstransfer.2013.02.057, 2013(FI=2.522), 75,44p	3.891	1	185.64	
	V. Bianco, O. Manca, A. A. Minea , S. Nardini, An analysis of the electricity sector in Romania, <i>Energy Sources Part B: Economics, Planning, and Policy</i> , DOI:10.1080/15567241003792366, aug. 2013 (FI=0.840), 10,45p	0.976	4	17.26	
	A.A. Minea , O. Manca, Experimental studies on radiation heat transfer enhancement on a standard muffle furnace, <i>Thermal Science</i> , 17 (2), pp. 591-598, doi:10.2298/TSCI110309167M, 2013(FI=0.962), 22,12p	1.433	2	43.66	
	A. A. Minea , Electrical and rheological behavior of stabilized Al ₂ O ₃ nanofluids, <i>Current Nanosciences</i> 9(1) pp. 81-88 DOI: 10.2174/1573413711309010013, 2013(FI=1.422), 53,44p	1.306	1	82.24	
				2212.04	
	b. BDI(2013-2017) 15/na:				
	Realizări:				
		Nr autori	Scor		
S Nardini, AA Minea , O Manca, V Bianco, Comparative Methods in Convective Heat Transfer Enhancement by Nanofluids: , Entropy Generation, <i>Advances in New Heat Transfer Fluids</i> , 29-50, 2017		4	3.75		
AA Minea , S Kamal, SK Vandragi, VS Korada, Experimental Studies on the Influence of Metal and Metal Oxide Nanofluid Properties on Forced Convection Heat Transfer and Fluid Flow, <i>Advances in New Heat Transfer Fluids</i> , 1-28, 2017		4	3.75		
A.A Minea , Advances in heating equipment: saving energy by numerical and analytical heat transfer enhancement techniques, <i>Journal of Chemical Technology and Metallurgy</i> , 52, 2, 277-287, 2017		1	15		
A.A. Minea , M. G. Moldoveanu, O. Dodun, Thermal Conductivity Enhancement by Adding Nanoparticles to Ionic Liquids, <i>Precision Machining IX</i> , Edited by: Angelos P. Markopoulos and George Christopher Vosniakos, <i>Solid State Phenomena (Volume 261)</i> , Pages: 121-126, DOI: 10.4028/www.scientific.net/SSP.261.121, 2017		3	5		

M.G. Moldoveanu, T.M. Simionescu, A.A. Minea and A. Dima, Analytical Technique for Estimating the Thermophysical Properties of Hybrid Nanofluids, Advanced Materials Research, ISSN: 1662-8985, doi:10.4028/www.scientific.net/AMR.1143.207 Vol. 1143, 207-214, 2017	4	3.75	
AA Minea , BOOK REVIEW: INTRODUCTION TO BRAZING TECHNOLOGY, The Annals of "unarea de Jos" University of Galati. Fascicle XII: Welding, vol. 27, pp 5, 2016	1	15	
A A Minea , A Review on the Thermophysical Properties of Water-Based Nanofluids and their Hybrids, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI, Fascicle IX, METALLURGY AND MATERIALS SCIENCE, March 2016, no. 1, ISSN 1453-083X, pp. 35-46, 2016	1	15	
M.G. Moldoveanu, A.A. Minea , Studies on few water based nanofluids behavior at heating, Advanced Materials Research, Vol. 1128, pp 384-389, 2015	2	7.5	
T. M. Simionescu, A.A. Minea , Theoretical considerations on nanocomposites thermal conductivity uncertainties, Advanced Materials Research, Vol. 1128, pp 171-177, 2015	2	7.5	
M.G. Moldoveanu, A.A. Minea , A Study on Uncertainties in Estimations of Thermal Conductivity of Alumina Nanofluids, Applied Mechanics and Materials, Vol. 809-810 pp 525-530, 2015	2	7.5	
T.M. Simionescu, A.A. Minea , A Study on Nanocomposites Behaviour at Heating, Applied Mechanics and Materials Vol. 809-810 pp 519-524, 2015	2	7.5	
B Buonomo, D Ercole, O Manca, AA Minea , A numerical investigation on laminar forced convection with nanofluid in heated flat tubes, 26th International Symposium on Transport Phenomena (ISTP-26), 1-8, 2015	4	3.75	
AA Minea , O Manca, MG Moldoveanu, FOM comparison on Al ₂ O ₃ , CuO and TiO ₂ water based nanofluids in laminar and turbulent flow, ASME-ATI-UIT 2015 Conference on Thermal Energy Systems: Production, Storage, 2015	3	5	
A.A. Minea , O. Manca, Numerical analysis on heat transfer enhancement and wall shear stress of an alumina nanofluid for different forced convection flows, International Review of Mechanical Engineering 7 (2) , pp. 272-275, 2013, indexată în Scopus, CSA si INSPEC	2	7.5	
A.A. Minea , Study on alumina-water nanofluid skinfriction for different Reynolds numbers, Metalurgia, 65(3), pp: 5-9, 2013, indexată în CSA si INSPE	1	15	
		122.5	
<p>2.3. Conferințe invitate/ lucrări de sinteză prezentate la manifestări organizate sub egide științifice recunoscute, lucrări comunicate</p> <p>Realizări:</p> <p>2013: A A Minea, Numerical analysis of nanofluids used in heat exchangers applications, TEHNOMUS - New Technologies and Products in Machine Manufacturing Technologies, pp. 131-138, 2013, indexata Google scholar</p> <p>2014 Prezentare Scoala de vara "Composite Materials: from basic to nano" Portugalia: sept 2014: https://www.ubi.pt/Ficheiros/Entidades/Universidade/Document_IP_PNBR_vs8.pdf Prezentare Scoala de vara internationala "Advances in Heat transfer: from basic to nano" Romania: sept 2014: http://www.sim.tuiasi.ro/cercetare/conferinte-si-evenimente/ Prezentare in plen conferinta IMANE, Chisinau, mai 2014: http://www.imane.ro/conference-program/</p> <p>2015 Key speaker: A. A. Minea, A review on uncertainties on thermophysical properties for few metallic oxide water based nanofluids, ISTP 26, 26-28 sept, Leoben, Austria, 2015</p> <p>2016 Key speaker: A. A. Minea, ICMM Sofia Bulgaria, septembrie 2016 Key speaker: A. A. Minea, UGALMAT, Galati, Romania, mai 2016</p> <p>2017: - Key speaker for TUIasi, First conference of Doctoral Schools, 29-30 mai 2017, Iasi, Romania - Invited speaker la First International Conference on Energy Systems Engineering, (ICESE'17) 2017, Turcia, november 2017, http://icese17.com/22-2/</p>			540
<p>2.4. Lucrări publicate în volumele conferințelor: 2013-2017</p> <p>Realizări: 5</p> <p>2013: Minciună, P Vizureanu, AA Minea D C Achiței, Engineering Biocompatible Implant Surface, Conferinta TEME 2013, The Annals Of "Dunarea De Jos" University Of Galati, Fascicle IX METALLURGY AND MATERIALS SCIENCE, November 2013, SPECIAL ISSUE, pp. 97-100, 2013, indexata Google scholar A A Minea, O. Manca, R. Luciu, Influence of Microtube Heating Geometry on Behavior of an Alumina Nanofluid at Low Reynolds Numbers, Innovative Manufacturing Engineering, IMANE proceedings, Applied Mechanics and Materials Vol. 371, pp. 596-601, 2013, indexata ISI</p> <p>2014 D C Achiței, P Vizureanu, AA Minea, M. M. Al Bakri Abdullah, M G Minciună, Improvement of Properties of Aluminum Bronze CuAl7Mn3 by Heat Treatments, Applied Mechanics and Materials 10/2014; Volume 657:412-416. DOI: 10.4028/www.scientific.net/AMM.657.412 (10p)</p>			50

	<p>2015 A. A. Minea, O. Manca, M. G. Moldoveanu, FOM comparison on Al₂O₃, CuO and TiO₂ water based nanofluids in laminar and turbulent flow, ASME-ATI-UIT 2015 CONFERENCE on Thermal Energy Systems, Production, Storage, Utilization and the Environment, 17 – 20 May, 2015, Napoli, Italy, ISBN 978-88-98273-17-1, 2015 (10p)</p> <p>2016: -</p> <p>2017: RESRB 2017, Wroclaw, Polonia</p>	
	<p>2.5. Brevete acordate, produse omologate Realizări: 2.5.1. A.A. Minea, I.G. Sandu, <i>Procedeu de eficientizare a proceselor de transfer de caldura in cuptoarele electrice clasice pentru tratamentul termic la temperaturi medii</i>, B.I. 122743/30.12.2009(30 p)</p>	30
	<p>2.6. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție Realizări: 2.6.1. proiect H 2020, COST NANOUPTAKE 2.6.2. proiect H2020, MARUEEB, buget 2017: 7400 euro</p>	68.08
	<p>2.7. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare încheiate cu institute de cercetare, companii, regii, societăți comerciale Realizări: 2.7.1. 2.7.2.</p>	-
	<p>2.8. Creații de arhitectură, urbanism, restaurări, design și arte plastice efectuate prin Universitate Realizări: 2.8.a. 2.8.b.</p>	-
	<p>2.9. Citări în reviste cotate ISI sau indexate în baze de date internaționale (BDI):- Se consideră citările din ultimii 10 ani pentru lucrările din întreaga activitate Reviste ISI: 5 x nr. citări Reviste BDI: 3 x nr. citări Realizări: 212 citari ISI fara autocitari in ultimii 10 ani (264 citari pana in prezent– 52 citari in 2018), conform link si document atasat: http://apps.webofknowledge.com.am.e-nformation.ro/summary.do?product=WOS&parentProduct=WOS&search_mode=CitationReport&parentQid=4&qid=5&SID=D1oiLjZCdpSZdRof3A2&&page=6&action=sort&sortBy=LC.D;PY.D;LD.D;SO.A.en;VL.D;P.G.A;AU.A.en citari SCOPUS (total: 226 citari fara autocitari in ultimii 10 ani): 14 noi citari fara autocitari, conform link si document atasat: https://www-scopus-com.am.e-nformation.ro/cto2/main.uri?origin=AuthorProfile&stateKey=CTOF_1006359685&CTO_ID=CTODS_1006361435&hIndex=9&docCount=77&hType=author&groupedAuthor=false</p>	1102
	<p>2.10. Finalizare teză de doctorat Realizări: 2.10.1.</p>	-
	<p>2.11. Elaborare standarde Realizări: 2.11.1. 2.11.2.</p>	-
	Total punctaj Criteriu 2	4473.82
<p>3. Recunoașterea națională și internațională (minimum: • 15 puncte prof.; • 10 puncte</p>	<p>3.1. Profesor invitat pentru prelegeri la univ. de prestigiu Realizări: 3.1.1. 3.1.2.</p>	
	<p>3.2. Membru în academii (Academia Română, Academia de Științe Tehnice, Academia de Științe Agricole și Silvicultură, Academia Oamenilor de Știință etc.) Realizări: 3.2.1. 3.2.2.</p>	
	<p>3.3. Doctor Honoris Causa Realizări: 3.3.1. 3.3.2.</p>	
	<p>3.4. Membru în societăți științifice și profesionale (AGIR, asociațiile absolvenților etc.) Realizări: 3.4.1. Ad astra (din 2005) (5p) 3.4.2. ASME international, ID nr. 9543307 (din 2007) (10p) 3.4.3. AGIR, ID nr. 59980 (din 2006) (5p) 3.4.4. ASTFE (din 2014) (10p)</p>	30

<p>conf.; • 5 puncte ș. I.)</p>	<p>3.5. Membru în comisii de doctorat (teze, referate) Realizări: 2016: 3 teze doctorat – presedinte comisie: 15p presedinte comisie admitere doctorat 2017,. 1p presedinte comisie raport de cercetare:2, 2p presedinte comisie proiecte stiintifice, 1p 2017: 6 teze doctorat – presedinte comisie: 30 p presedinte comisie admitere doctorat 2017,. 1p presedinte comisie raport de cercetare: 4, 4p presedinte comisie proiecte stiintifice, 2p membru comisie raport cercetare, 2drd: 2 p Membru Comisie doctorat India, 10 p</p>	<p>68</p>
	<p>3.6. Membru în colective de redacție ale revistelor Realizări: Membru Editorial Board- pt reviste ISI: 1 (20p) 3.6.1. Membru in Regional Editorial Board Journal of Thermal Sciences: http://thermalscience.vinca.rs/Editorial Reviste BDI: 7 (70p) 3.6.2. Editor in chief International Journal of Metallurgical Engineering, http://www.sapub.org/journal/journalintroduction.aspx?journalid=1063 (Google Scholar) 3.6.3. Editor in chief IREHEAT: http://www.praiseworthyprize.com/ireheat.htm (Copernicus) 3.6.4. membru International Journal of Energy and Environment: http://www.naun.org/wseas/cms.action?id=3043 (INSPEC) 3.6.5. membru International Journal of Mechanics: http://www.naun.org/wseas/cms.action?id=2828 (SCOPUS) 3.6.6. Membru in Editorial Board International Scientific Press: Journal of Computations and Modelling: http://www.scienpress.com/journals/jcm/jcm_editorial.html (PRO QUEST, DOAJ, Google Scholar) 3.6.7. Editorial Board Journal of Metallurgical Engineering: http://www.me-journal.org/EditorialBoard.aspx (EBSCO, WorldCat) 3.6.8. Editorial Board American Journal of Energy Engineering: http://www.sciencepublishinggroup.com/journal/editorialboard.aspx?journalid=168 (WorldCat)</p>	<p>90</p>
	<p>3.7. Membru în comitete științifice naționale/ internaționale/ de program (la congrese, conferințe etc.) Realizări: 2013: 17 1. 11th WSEAS International Conference on Fluid Mechanics & Aerodynamics, FMA 2013, Vouliagmeni, Athens, Greece, http://www.wseas.org/cms.action?id=2498 2. 11th WSEAS International Conference on Environment, Ecosystems and Development, EED 2013, Brasov, Romania: http://www.wseas.org/cms.action?id=3794 3. 6th WSEAS International Conference on Manufacturing Engineering, Quality and Production Systems, Brasov, Romania - MEQAPS '13: http://www.wseas.org/cms.action?id=3694 4. 7th WSEAS International Conference on CIRCUITS, SYSTEMS, SIGNAL and TELECOMMUNICATIONS, CSST 2013, Milan, Italy: http://www.wseas.org/cms.action?id=329 5. 13th WSEAS International Conference on Multimedia Systems & Signal Processing, Kuala Lumpur - MUSP '13: http://www.wseas.org/cms.action?id=3356 6. 9th WSEAS International Conference on Energy, Environment, Ecosystems and Sustainable Development Lemosos - EEESD '13: http://www.wseas.org/cms.action?id=3053 7. 1st WSEAS International Conference on Industrial and Manufacturing Technologies Vouliagmeni - INMAT '13: http://www.wseas.org/cms.action?id=2611 8. 1st WSEAS International Conference on Aeronautical and Mechanical Engineering, Vouliagmeni - AEME '13: http://www.wseas.org/cms.action?id=2645 9. 11th WSEAS International Conference on Heat Transfer, Thermal Engineering and Environment Vouliagmeni - HTE '13: http://www.wseas.org/cms.action?id=2543 10. 1st WSEAS International Conference on Mechanical and Robotics Engineering Vouliagmeni - MREN '13: http://www.wseas.org/cms.action?id=2628 11. 2nd International Conference on Networks and Systems for Communications, Education and Data Processing, Iwate - NSCED '13: http://naun.org/cms.action?id=2998 12. 2nd International Conference on Applied Manufacturing, Commerce, Tourism and Services, Baltimore - MCTS '13: http://naun.org/cms.action?id=5244 13. 1st International Conference on Computational Science and Engineering, Valencia - CSE '13: http://naun.org/cms.action?id=5108 14. 4th International Conference on Fluid Mechanics and Heat & Mass Transfer, Dubrovnik - FLUIDSHEAT '13: http://naun.org/cms.action?id=4261 15. 4th International Conference on Theoretical and Applied Mechanics, Cambridge, USA - TAM '13: http://www.naun.org/cms.action?id=2199 16. 1st International Conference on Monitoring and Management of Air Pollution Rhodes - MMAP '13: http://naun.org/cms.action?id=4556 17. 2nd International Conference on Computational and Experimental Mechanics, Florence, http://naun.org/cms.action?id=8043 2014: 6 1. Conference IManE 2014, 27-30 May 2014, Chisniew, Moldavia: http://www.imane.ro/conference-committees/</p>	<p>580</p>

2. 5th International Conference on Fluid Mechanics and Heat & Mass Transfer, Lisbon, Fluidsheat 2014: <http://naun.org/cms.action?id=7823>
 3. 2nd International Conference on Computational and Experimental Mechanics, Florence, CEM 2014, <http://naun.org/cms.action?id=8043>
 4. 12th International Conference on Heat Transfer, Thermal Engineering and Environment, Geneva, THE 2014: <http://wseas.org/cms.action?id=8446>
 5. 12th International Conference on Fluid Mechanics & Aerodynamics, Geneva, FMA 2014: <http://www.wseas.org/cms.action?id=8427>
 6. International Conference on Computer and Systems Engineering Applications, CCSE 2014, 25-26 april Dubai: <http://conferences.standard.org/dubai/ccse/com.html>
- 2015: 12**
1. Conference IManE 2015, 21-22 May 2015, Iasi, Romania: <http://www.imane.ro/conference-committees/>
 2. International conference TEME 2015, Galati, Romania: <http://www.teme.ugal.ro/committee.html>
 3. ISTP 26, Leoben, Austria: <http://www.istp26.at/en/organizing-committee/>
 4. SUSTEM 2015, Newcastle, UK: <http://research.ncl.ac.uk/sustem/sustem2015conference/scientificcommittee/>
 5. 2015 International Conference on Systems Engineering and Computational Advances, 29-30 may 2015, China: <http://icseca.aconf.org/en-us/committee.html>
 6. HTE '15: 13th International Conference on Heat Transfer, Thermal Engineering and Environment, Salerno Italy, <http://www.wseas.org/cms.action?id=9759>
 7. FMA '15, 13th International Conference on Fluid Mechanics & Aerodynamics, Salerno, Italy, <http://wseas.org/cms.action?id=9604>
 8. Rome - CM '15, 9th International Conference on Continuum Mechanics, Italy, <http://www.wseas.org/cms.action?id=10141>
 9. Budapest - FLUIDS '15, 11th International Conference on Fluid Mechanics, <http://wseas.org/cms.action?id=10586>
 10. Budapest - HMT '15, 11th International Conference on Heat and Mass Transfer, <http://www.wseas.org/cms.action?id=10600>
 11. 2015 International Conference on Power, Energy Engineering and Management (PEEM2015) December 20-21, 2015, Phuket, Thailand: <http://www.peem2015.org/com.htm>
 12. Budapest - EE '15, 10th International Conference on Energy & Environment <http://www.wseas.org/cms.action?id=10628>
- 2016: 8**
1. 7th international conference on fluid mechanics and heat & mass transfer, Praga, 2016: <http://naun.org/cms.action?id=11302>
 2. IMANE 2016, September 23-25, 2016 Kallithea Chalkidiki, Greece: <http://www.imane.ro/conference-committees/>
 3. 14th International Conference on Fluid Mechanics & Aerodynamics (FMA '16), Indonesia 2016: <http://wseas.org/cms.action?id=11592>
 4. 14th International Conference on Heat Transfer, Thermal Engineering and Environment (HTE '16), Indonesia: <http://www.wseas.org/cms.action?id=11606>
 5. 7 th edition of INTERNATIONAL CONFERENCE ON MATERIAL SCIENCE & ENGINEERING, UgalMat 2016, MAY 19 - 21, 2016, GALATI, ROMANIA: <http://www.ugalmat.ugal.ro/>
 6. IMEIA 2016 Phuket, Thailand, 24-25 aprilie 2016: <http://www.imeia2016.org/pub.htm>
 7. ECTE 2016, Thailand 28-29 august, 2016: <http://www.ecte2016.org/com.htm>
 8. The International Conference on Metallurgy & Materials (ICMM'16), Sofia, September 26 – 28, 2016: <http://icmm2016.com/organizers/conference-committee/>
- 2017: 15**
1. 11th European Conference on Industrial Furnaces and Boilers, Portugal, 18-21 April 2017: <http://infub.pt/geral/paginas.aspx?cod=105>
 2. The 7th International Symposium on Advances in Computational Heat Transfer, CHT-17, Napoli, Italy, during 28 May - 02 June 2017, <http://ichmt.org/site/4/cht-17>
 3. The 2017 International Conference on Advanced Technologies Enhancing Education (ICAT2E2017), which will be held on March 18-20, 2017 in Qingdao, China, <https://icat2e.jimdo.com/>
 4. The 21th edition of IManEE 2017 International Conference, May 25-26, 2017 Iasi, Romania: <http://www.imane.ro/committees/>
 5. TEME 2017: New trends in environmental and materials engineering, Galati, ROMANIA, 25-27 october: <http://www.teme.ugal.ro/committee.php>
 6. -European Symposium on Nanofluids (ESNf) Lisbon, Portugal, 8-10 October 2017, <http://esnf2017.campus.ciencias.ulisboa.pt/committees/>
 7. ICPM 2017: 9TH International congress on precision machining, 6 - 9 september 2017, Athens, Greece: <http://www.icpm2017.gr/#committees>
 8. Venice - FLUIDSHEAT '17: 8th International Conference on Fluid Mechanics and Heat & Mass Transfer (FLUIDSHEAT '17), <http://wseas.org/cms.action?id=14174>
 9. TU Iasi, First conference of Doctoral Schools, mai 2017, Iasi, Romania
 10. INTERNATIONAL CONGRESS ON CHEMISTRY AND MATERIALS SCIENCE, 5 - 7 OCTOBER, 2017 / ANKARA – TURKEY: <http://ancongress.com/main/c/20172/en>
 11. 2nd Renewable Energy Sources - Research and Business (RESRB) 2017 conference, June 19-21, Wrocław, Poland: https://works.bepress.com/wojciech_budzianowski/46/
 12. International Conference on Energy Management and Environmental Protection, Belek, Antalya, Turkey in February 1-4, 2018: <http://www.icemep.org/committees.html>
 13. First International Conference on Energy Systems Engineering, (ICESE'17) 2017, Turcia, november 2017, <http://icese17.com/22-2/>
 14. 13th International Conference on Heat and Mass Transfer (HMT '17), in Rome 2017, 15-17 decembrie: <http://wseas.org/cms.action?id=15615>

15. - 13th International Conference on Fluid Mechanics (FLUIDS '17), in Rome 2017, 15-17 decembrie, http://www.wseas.org/cms.action?id=15606	
<p>3.8. Membru în echipe de expertizare / evaluare a cercetării științifice (proiecte CNCS, PNCDI II, FP7, Phare; centre de cercetare etc.)</p> <p>Realizări: 2013:</p> <p>2014: Horizon 2020, septembrie 2014: 21 propuneri Horizon 2020, aprilie 2014: 7 propuneri</p> <p>2015: Horizon 2020, martie 2015: 9 propuneri . Horizon 2020, iunie 2015: 5 propuneri</p> <p>2016: evaluare COST_Horizon 2020</p> <p>2017: - expert NCRB Poland in martie 2017: 16 proiecte - expert UEFISCDI, programe PD si TE, 2017: 37 - expert EUROSTARS, programe CDI in 2017: 3 proiecte - expert evaluator proiecte UPB, UPT: 5 proiecte nationale</p>	900
<p>3.9. Membru în echipe de expertizare (evaluare) a procesului educațional (ARACIS, EUA etc.)</p> <p>Realizări: 3 2013: 3 2 actiuni ARACIS interne+ 1 actiune ARACIS Galati</p> <p>2014: 3 evaluari interne</p> <p>2015: 3 evaluări interne.. 1 evaluare externă - Braşov.</p> <p>2016: 3 evaluări interne.. 1 evaluare externă - Bucuresti</p> <p>2017 -</p>	70
<p>3.10. Membru în consilii naționale de specialitate</p> <p>Realizări: 3.10.1 Membru CNATDCU- comisie contestatii Ingineria Materialelor</p>	15
<p>3.11. Organizator de manifestări științifice naționale / internaționale / sesiuni invitate</p> <p>Realizări: 2013: -</p> <p>2014: 2014: Summer School on ADVANCES IN HEAT TRANSFER ENHANCEMENT: FROM BASIC TO NANO, 3-rd edition: http://www12.tuiasi.ro/facultati/sim/index.php?page=413 chairman session G: Mechanical Equipment Design and Analysis, Conference IManE 2014, 29-30 May 2014, Chisisnau, Rep. Moldova: http://2014.imane.ro/conference-program/</p> <p>2015:</p> <ol style="list-style-type: none"> 1. chairmen session M1.3. Single phase heat transfer, Conference ASME-ATI-UIT: Thermal Energy Systems: Production, Storage, Utilization and the Environment 2015, may 2015, Naples, Italy: http://www.asmeatiuit2015.com/public/index.php?node=63&nm=Conference+Program 2. chairmen session M1.4. Heat exchangers, Conference ASME-ATI-UIT: Thermal Energy Systems: Production, Storage, Utilization and the Environment 2015, may 2015, Naples, Italy: http://www.asmeatiuit2015.com/public/index.php?node=63&nm=Conference+Program 3. chairman session A2: Heat exchanger, Conference ISTEP26, september 2015, Leoben, Austria: http://www.istp26.at/media/Detailed_Program_neu_8.pdf 4. chairman session A3: Heat transport technology, Conference ISTEP26, september 2015, Leoben, Austria: http://www.istp26.at/media/Detailed_Program_neu_8.pdf 5. chairman session C6: Micro and nano scale transport, Conference ISTEP26, september 2015, Leoben, Austria: http://www.istp26.at/media/Detailed_Program_neu_8.pdf <p>2016: organizator Scoala de vara 2016 TUIASI, 15p chairman Session E: Physical & Mechanical Metallurgy. Materials, Conference ICMM 2016, Sofia, Bulgaria, http://icmm2016.com/conference/program/, 10p</p> <p>2017: Organizator conferinta Napoli The 7th International Symposium on Advances in Computational Heat Transfer, CHT-17 Organizator Conferinta Scolilor Doctorale TUIASI</p>	145
<p>3.12. Referent științific / expert național și internațional (pentru reviste, congrese etc.)</p> <p>Realizări: 2013:</p>	6590

	<p>conferinte: (436p) ISI: WSEAS(86) BDI: ECOS 2013(1), ICAE 2013(1) reviste: 805 p ISI: APEN, Elsevier(29), IJAMT, Springer (11), HMT, Springer (6), CNANO(13) BDI: IREME(14), IREHEAT(26), IJME(1), SciencePG(2)</p> <p>2014: conferinte: (145p) ISI: WSEAS(29) reviste: 795 p ISI: APEN, Elsevier(47), IJAMT, Springer (3), HMT, Springer (2), CNANO(10), Thermal Sc(3), COLSUA (1), IJOT (2), MANO(2) BDI: IREHEAT(14), IJME(1), SciencePG(4)</p> <p>2015: conferinte: (160p) ISI: WSEAS(32) reviste: 975 p ISI: APEN, Elsevier(43), IJAMT, Springer (12), HMT, Springer (19), IJOT (3), MANO(3), Energy (2), HTE (3), IJHMT (2), JTAC (2) BDI: IREHEAT(11), IJME(3), SciencePG(3)</p> <p>2016: conferinte: (185p) ISI: WSEAS(22) BDI: CHT(15), ICAT(2), IMANE(2), INFUB(3), UgalMat(3) reviste: 1635 p ISI: APEN, Elsevier(33), IJAMT, Springer (16), HMT, Springer (42), IJOT (3), MANO(5), HTE (1), JTAC (28), BJPH(1), CHERD(1), CNANO(2), ETFS(1), ExHT(2), FDMP(1), HFF(1), IJOT(3), IJTS(2), JTE(2), MicroM(2), MOLLQ(1), MST(4), RSER(5) BDI: IREHEAT(4), IJME(2), SciencePG(1), AEJ(1), AJHMT(2), AWET(2)</p> <p>2017: conferinte: (214p) ISI: WSEAS(29) BDI: CHT(15), ICAT(2), IMANE(4), Atena(2) reviste: 1240 p ISI: Coatings (2), , ATE (7), CES (3) APEN, Elsevier(12), IJAMT, Springer (4), HMT, Springer (12), HTE (2), JTAC (8), CNANO(1), HFF(3), IJHMT(2), IJTS(2), MOLLQ(1), MST(4), RSER(36), Energy (1), Entropy (6), JCLEPRO (7), RENE (3), TCA (1), TSEP (2) BDI: AJHMT(1), AWET(4), Hindawi (1), Materialos (5), MST (3), SAP (3)</p>	
	<p>3.13. Membru în comisii de concurs pentru posturi didactice universitare Realizări: 2013: - 2014: comisie asistent TEPM membru concurs internațional pentru poziția de conferențiar la SDK, Danemarca, în 2014 2015: comisie asistent TEPM comisie conferențiar 2016: comisie profesor Dorin Luca 2017: Membru comisie concurs Baltatu Simona</p>	29
	<p>3.14. Membru în juri, comisii, concursuri profesionale Realizări: 3.14.1. Concursul Procopiu, organizat de Liceul Procopiu Iasi(5p) în fiecare an</p>	25
	<p>3.15. Cercetător invitat pentru activități de cercetare în universități/firme de prestigiu</p>	-
	<p>3.16. Cadru didactic invitat în programe ERASMUS (prelegeri) 2013: Franța, Poitiers University, in 2013; Italia, Seconda Universita degli Studi di Napoli, in 2013 2014: Portugalia, Bulgaria 2015: Italia, Grecia 2016: Bulgaria 2017: -</p>	35
	<p>3.17. Cadru didactic care gestioneaza acorduri bilaterale ERASMUS 3.17.1. Responsabil acord interuniversitar ERASMUS/ERASMUS+ între Universitatea Tehnică Gheorghe Asachi din Iasi și Seconda Universita degli Studi di Napoli, Italia 3.17.2. Responsabil acord interuniversitar ERASMUS/ERASMUS+ între Universitatea Tehnică Gheorghe Asachi din Iasi și Mountain Universitat Leoben, Austria 3.17.3. Responsabil acord interuniversitar ERASMUS/ERASMUS+ între Universitatea Tehnică Gheorghe Asachi din Iasi și University of Beira Interior, Portugalia 3.17.4. Responsabil acord interuniversitar ERASMUS/ERASMUS+ între Universitatea Tehnică Gheorghe Asachi din Iasi și UCTM, Bulgaria</p>	40

	<p>3.17.5. Responsabil acord interuniversitar ERASMUS/ERASMUS+ între Universitatea Tehnică Gheorghe Asachi din Iasi și University of Poitiers, Franța</p> <p>3.17.6. Responsabil acord interuniversitar ERASMUS/ERASMUS+ între Universitatea Tehnică Gheorghe Asachi din Iasi și Technical University of Athens, Grecia</p> <p>3.17.7. Responsabil acord interuniversitar ERASMUS/ERASMUS+ între Universitatea Tehnică Gheorghe Asachi din Iasi și University of Parma, ITALY</p> <p>3.17.8. Responsabil acord interuniversitar ERASMUS/ERASMUS+ între Universitatea Tehnică Gheorghe Asachi din Iasi și University of Lisbon, PORTUGALIA</p>	
	<p>3.18. Premii</p> <p>Realizări:</p> <p>2013: Best Reviewer for 2012, Applied Energy, ELSEVIER. (20 p) 2 premii CNCS pe lucrari</p> <p>2014: 1 premiu CNCSIS pe lucrare</p> <p>2015: 4 premii CNCSIS pe lucrari</p> <p>2016: 1 premiu CNCSIS pe lucrare</p> <p>2017: 3 premii UEFISCDI + 1 premiu AGIR (carte)+ 1 premiu Best reviewer din partea Applied Energy</p>	490
Total punctaj Criteriu 3		9107
<p>4. Activitatea cu studenții</p> <p>(minimum : • 10 puncte prof.; • 7 puncte conf.; • 5 puncte ș.l.)</p>	<p>4.1. Conducere cercuri științifice studentești</p> <p>Realizări: cerc: Chereches (2017) cerc Bunduc (2013) cerc Dinu, Bunduc (2015) cerc Chereches (2014) cerc: Apostol (2016)</p>	18
	<p>4.2. Pregătire pentru concursuri profesionale (pentru fazele națională și internațională)</p> <p>Realizări: 4 lucrări la CERC 2015, București (2015)</p>	20
	<p>4.3. Conducere lucrări de absolvire²⁾, licență (diplomă), disertație, doctorat ((inclusiv cotutelă, membri în echipa de îndrumare)</p> <p>Realizări:</p> <p>2013: 1 lucrare disertație: Nostenica Ungureanu 2 lucrari licența: Haidau, Paisvant</p> <p>2014: 2 lucrari master: Moldoveanu, Stanciu</p> <p>2015: 3 proiecte EPI, 2 lucrari master: Paisvant, Costrășel, 3 lucrări diplomă: Buduc, Dinu, Cherecheș</p> <p>2016: 2 lucrari master: Asavei, Murariu</p> <p>2017: 4 lucrari master: Chereches, Dinu, Burduhos, Sladaru 2 lucrari licența</p>	83
	<p>4.4. Indrumare ani de studii</p> <p>Realizări: 4.4.1. an II IM (2013, 2014) 4.4.2.</p>	10
	<p>4.5. Organizarea de excursii de studii, prezentarea ofertei educaționale a universității în licee</p>	-
	<p>4.6. Activități cu studenți ERASMUS</p> <p>Realizări:</p> <p>2013: outgoing: 4 studenți: incoming: 2 studenți Beira Interior</p> <p>2014: 4 studenți outgoing: Bunduc, Burduhos, Palamarciuc, Pescariu 4 studenți incoming din Portugalia</p> <p>2015: 5 studenți outgoing: Haidău, Paisvant, Pescariu, Ruxandari, Epureanu 3 studenți incoming din Portugalia</p> <p>2016:</p>	107

	<p>4 studenti outgoing: Dinu, Burduhos, Chereches, Bunduc 2 studenti incoming din Portugalia</p> <p>2017: 4.6.1. 4 studenti outgoing: Asavei, Roman, Gheran, Teodoritu 4.6.2. 2 studenti incoming din Portugalia</p>	
Total punctaj Criteriu 4		238
5.ctivitatea în comunitate academică	<p>5.1. Participare la mese rotunde, dezbateri organizate la nivelul facultății/ universității etc.</p> <p>Realizări: 2013: .scoala de vara Composite Materials: from basic to nano, Portugalia, Covilha: sept. 2013 .conferinta Tehnomus, Suceava . conferinta TEME, Galati</p> <p>2014: scoala de vara Heat transfer: from basic to nano,: sept. 2014 Conference IManE 2014, 28-30 May 2014, Chisinau, Rep. Moldova</p> <p>2015: participare conferința ISTP, Austria Conference IManE 2015 Conferința ASME, Italia</p> <p>2016: participare conferințaICMME Bulgaria Conference Ugalmat 2016 Summer School 2016</p> <p>2017: .participare conferința Turcia participare conferinte nationale: 3 participare intruniri COST Core group si Management Committe groups: 4</p>	92
	<p>5.2.Activitate în comisii</p> <p>Realizări: 2013: 3 comisie licenta IPM .comisie Erasmus membru consiliu facultate</p> <p>2014: comisie licenta EPI, SITM comisie Erasmus membru consiliu facultate</p> <p>2015: comisie licenta IPM + EPI .comisie Erasmus membru consiliu facultate</p> <p>2016: comisie licenta IPM + TAIPM comisie Erasmus, 4 comisii selectie membru consiliu facultate, 2 sedinte membru comisie prelungire prof. Galusca</p> <p>2017: 24 comisie licenta IPM + TAIPM .comisie Erasmus, 4 comisii selectie membru consiliu SD-SIM, 4 sedinte . membru consiliu CSUD: 4 sedinte presedinte comisie admitere doctorat 2017 . consiliu Facultate SIM: 4 sedinte . presedinte comisie proiect cercetare: 2 doctoranzi comisii rapoarte cercetare: 3</p>	197
5.3. Coordonare programe de studii de licență/ masterat/ postuniversitare de formare continuă		
Total punctaj Criteriu 5		289
Total punctaj Criterii 1-5		14147.5
		4

Declarație pe propria răspundere

Subsemnata, prof.dr.habil. ing. Alina Adriana MINEA, domiciliată în Iași, str. C. Negri nr. 62, bl. C2, sc. A, ap. 2, județul Iași, legitimată cu CI seria MX nr. 819731, CNP 2710615221150, încadrată la Facultatea de Știința și Ingineria Materialelor, Universitatea Tehnică „Gheorghe Asachi” din Iași, având funcția didactică de profesor, declar pe propria răspundere că documentele depuse la dosar îmi aparțin, sunt întocmite conform Procedurii privind acordarea gradațiilor de merit pentru personalul didactic titular din cadrul Universității Tehnice „Gheorghe Asachi” din Iași, PO.DID.11 și că prin acestea sunt confirmate/ certificate activitățile pe care le-am desfășurat în perioada de referință (2013-2017).

Întocmită într-un exemplar, pe propria răspundere, cunoscând că falsul în declarații este pedepsit conform legii.

Data: 06.11.2018

Semnătura: prof.dr.habil. ing. Alina Adriana MINEA

DOCUMENTE JUSTIFICATIVE


Documentele justificative pentru fiecare criteriu in parte se regasesc in Tabelul următor, precum și în documentele anexate.

Criteriul de evaluare	Indicatori de performanță	justificare
1. Activitate didactică	1.6. Predare discipline/ cursuri noi în planul de învățământ, pe direcții neelaborate anterior (se punctează nr. de discipline noi) 2013-2017	lucrarile de laborator si cartile se gasesc on-line, pe site-ul Facultatii, cat si la laboratoarele deservite.
	1.7. Elaborare manuale universitare (inclusiv în sistem e-learning) 2013-2017	
	1.8. Elaborare suporturi de cursuri, seminarii, laboratoare, proiecte) 2013-2017	
	1.9. Elaborare manuale și alte materiale pentru învățământul preuniversitar) 2013-2017	
	1.10. Modernizare tehnologie didactică din alte surse decât din cele publice (donații, sponsorizări etc.) 2013-2017	
2. Cercetarea științifică (minimum: • 150 puncte prof.; • 100 puncte conf.; • 60 puncte ș.l.; • 30 puncte asist.)	2.1. Elaborare cărți/ monografii/ tratate 2013-2017	Cartile pot fi puse la dispozitie
	2.2. Articole publicate în reviste de specialitate	Lista tuturor articolelor se afla in baza de date ISI, SCOPUS si Scholar astfel: http://orcid.org/0000-0002-2473-184X ResearcherID: C-7307-2009 Scopus Author ID: 23493089800
	2.3. Conferințe invitate/ lucrări de sinteză prezentate la manifestări organizate sub egide științifice recunoscute, lucrări comunicate	Toate realizările au inmdicate pagina web unde se gaseste informatia
	2.4. Lucrări publicate în volumele conferințelor: 2013-2017	
	2.5. Brevete acordate, produse omologat	
	2.6. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție	Granturile se afla in administrarea Departamentului de programe externe si se gasesc la adresele: www.nanouptake.eu http://marueeb.sti.urfu.ru/en/
	2.7. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare încheiate cu institute de cercetare, companii, regii, societăți comerciale	-
	2.8. Creații de arhitectură, urbanism, restaurări, design și arte plastice efectuate prin Universitate	-
	2.9. Citări în reviste cotate ISI sau indexate în baze de date internaționale (BDI):- Se consideră citările din ultimii 10 ani pentru lucrările din întreaga activitate	Numarul de citari se confirma cu print-screen-urile atasate si link-urile inserate
	2.10. Finalizare teză de doctorat	-
	2.11. Elaborare standarde	-
3. Recunoașterea națională și internațională (minimum: • 15 puncte prof.; • 10 puncte conf.; • 5 puncte ș.l.)	3.1. Profesor invitat pentru prelegeri la univ. de prestigiu	
	3.2. Membru în academii	
	3.3. Doctor Honoris Causa	
	3.4. Membru în societăți științifice și profesionale (AGIR, asociațiile absolvenților etc.)	informatia se poate confirma cu cardul de membru
	3.5. Membru în comisii de doctorat (teze, referate)	
	3.6. Membru în colective de redacție ale revistelor	In document este inserat link-ul catre fiecare pagina web a conferintei/revistei
	3.7. Membru în comitete științifice naționale/ internaționale/ de program (la congrese, conferințe etc.)	
	3.8. Membru în echipe de expertizare / evaluare a cercetării științifice (proiecte CNCS, PNCDI II, FP7, Phare; centre de cercetare etc.)	se poate confirma cu contractele aferente fiecare afirmatie. Nu se pot atasa acestui dosar deoarece sunt confidentiale
	3.9. Membru în echipe de expertizare (evaluare) a procesului educațional (ARACIS, EUA etc.)	
	3.10. Membru în consilii naționale de specialitat	www.cnatdcu.ro
	3.11. Organizator de manifestări științifice naționale / internaționale / sesiuni invitate	In document este inserat link-ul catre fiecare pagina web
	3.12. Referent științific / expert național și internațional (pentru reviste, congrese etc.)	se poate confirma cu contractele aferente fiecare afirmatie. Nu se pot atasa acestui dosar deoarece sunt confidentiale
	3.13. Membru în comisii de concurs pentru posturi didactice universitare	

	3.14. Membru în jurii, comisii, concursuri profesionale	
	3.15. Cercetător invitat pentru activități de cercetare în universități/firme de prestigii	-
	3.16. Cadru didactic invitat în programe ERASMUS (prelegeri)	Se pot confirma datele la nivel de facultate (PV de selectie), DERIN si ordinul Rectorului.
	3.17. Cadru didactic care gestioneaza acorduri bilaterale ERASMUS	Se pot confirma datele la DERIN
	3.18. Premii	premiile se afla on-line pe adresa UEFISCDI si Elsevier
Total punctaj	Criteriu 3	
4. Activitate a cu studenții (minimum: • 10 puncte prof.; • 7 puncte conf.; • 5 puncte ș.l.)	4.1. Conducere cercuri științifice studențești	
	4.2. Pregătire pentru concursuri profesionale (pentru fazele națională și internațională)	
	4.3. Conducere lucrări de absolvire ²⁾ , licență (diplomă), disertație, doctorat ((inclusiv cotutelă, membri în echipa de îndrumare)	
	4.4. Îndrumare ani de studii	
	4.5. Organizarea de excursii de studii, prezentarea ofertei educaționale a universității în licee	-
	4.6. Activități cu studenți ERASMUS	Se pot confirma datele la DERIN
5. Activitatea în comunitatea academică •	5.1. Participare la mese rotunde, dezbateri organizate la nivelul facultății/ universității etc.	
	5.2. Activitate în comisii	
	5.3. Coordonare programe de studii de licență/ masterat/ postuniversitare de formare continuă	

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<input type="checkbox"/>	2011	4	1.747 %	<div style="width: 1.747%; height: 10px; background-color: #0070C0;"></div>
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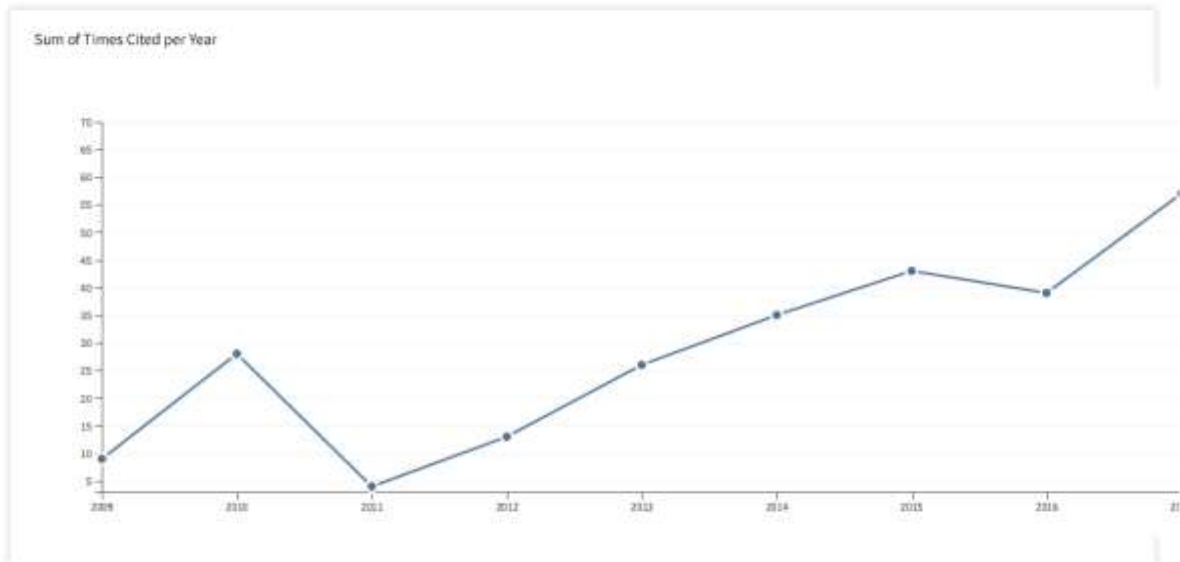
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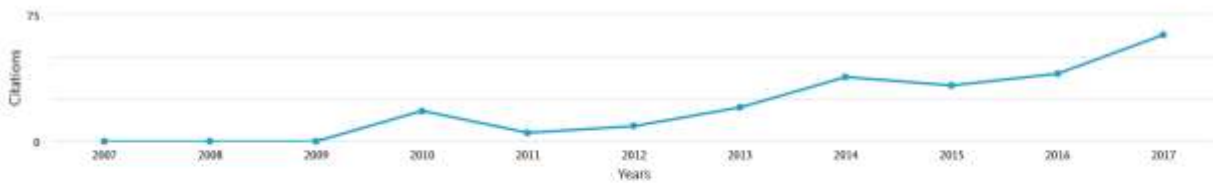
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pentru postul de **Profesor**

Cadru didactic: .MINEA ALINA ADRIANA/ Data nașterii: 15.06.1971/ Funcția ocupată: profesor

Data numirii în funcția actuală: 1.10.2014 (Decizia TUIASI nr. 1559./ 29.09.2014)

Tabelul 1.

Condiții minimale / punctaje obtinute (conform Anexa nr. 7. Comisia Ingineria Materialelor, OMECTS nr. 6129/2016)

Nr. crt.	Domeniul de activitate	Condiții Profesor/Conferențiar	Punctaj obtinut	Criteriu îndeplinit/ Criteriu neîndeplinit
1.	Activitatea didactică și profesională (A1)	60	1298.55	Criteriu îndeplinit
2.	Activitatea de cercetare (A2)	320	3330.43	Criteriu îndeplinit
3.	Recunoasterea si impactul activitatii activitatii (A3)	120	3562.83	Criteriu îndeplinit
	TOTAL (puncte)	Minim: 500	8191.81	-

Scor_j – **Criteriul C 2.1. Calitatea resursei umane**

$$\text{Scor}_j^{(U)} = \frac{\text{punctaj}_{CD_j^{(U)}}}{\text{punctaj}_{\text{minim CNATDCU}_j^{(U)}}} = \frac{8191.81}{500} = 16.38$$

În aceasta formula:

- Scor_j^(U) este scorul obținut pentru cadrul didactic CD_j, de la universitatea U (TUIASI);
- $\text{punctaj}_{CD_j^{(U)}}$ - punctajul obtinut (conform Ordinului MECTS 6129/2016);
- $\text{punctaj}_{\text{minim CNATDCU}_j^{(U)}}$ - punctajul minim stabilit de CNATDCU, pentru domeniul în care cadrul didactic CD_j deține titlul respectiv.

Tabelul 2.

Detalierea valorilor "**Punctaj obținut**" din Tabelul 1 (conform Anexa nr. 7. Comisia Ingineria Materialelor, OMECTS nr. 6129/2016)

Structura activității	Restricții Prof/Conf	Punctaj
A1. Activitatea didactică și profesională		
A1.1 Cărți și capitole în cărți de specialitate în edituri recunoscute		
A1.1.1 Cărți/capitole ca autor		
A1.1.1.1 Internaționale (Nr.pag/ (2x nr.autori)		
<ol style="list-style-type: none"> A.A. Minea, <i>Productivity and Technology: Techniques Related to Industrial Energy Savings (ch.9)</i>, in Human Work productivity – a global perspective,(253 pag) Ed. S. Kumar, A. Mital, A. Pennathur, CRC press Taylor & Francis, pp 192-214, ISBN: 9781439899076, 2013, 11p A.A. Minea, <i>Introduction to industrial heat transfer (ch.1)</i>, in Advances in industrial heat transfer,(421 pag) Ed. A. A. Minea, CRC press Taylor & Francis, pp 1-46, ISBN: 9781439899076, 2012, 46p A.A. Minea, <i>Heat transfer enhancement in process heating (ch. 7)</i>, in Advances in industrial heat transfer,(421 pag) Ed. A. A. Minea, CRC press Taylor & Francis, pp 229-268, ISBN: 9781439899076, 2012, 39p A. A. Minea, D. G. Galusca, Heat Treatment: Theory, Techniques and Applications, chapter <i>AlCu2,5Mg Aluminum Alloy Heat Treatment: Theory, Techniques and Applications</i>, Nova Publishers, ISBN: 978-1-61728-348-2, pg. 107 - 139, 2010, 16p D. G. Galusca, A. A. Minea, Heat Treatment: Theory, Techniques and Applications, chapter <i>Quenching under Fog Conditions: Theory, Technique and Application on Rolling Mills</i>, Nova Publishers, ISBN: 978-1-61728-348-2, pg. 79 -106, 2010, 13.5p A. A. Minea <i>Engineering heat and mass transfer</i>, 210 pag, Ed. Praise Worthy Praise, Italy, ISBN 978-88-96329-01-6, 2009, 210p A. A. Minea <i>Techniques for studying heat and mass transfer enhancement</i>, 243 pag, Ed. VDM Publishing House, Germany, ISBN 978-3—639-17191-4, 2009, 243p 		578.5
A1.1.1.2 Naționale(Nr.pag/ (5x nr.autori)	2/1	
<ol style="list-style-type: none"> A. A. Minea, Echipamente si instalații de încălzire -356 pag. (30rd/pag), Ed. Pim, Iasi, ISBN 978-606-13-4010-1, 2017, 71.2 p A. Nicolae, B. Stroe, I. Bors, I. A. Mauthner, A. Semenescu, A. A. Minea, <i>Ecosociologie metalurgica</i> -141 pag., Ed. Matrix Rom București, ISBN 978-973-755-823-7, 2012, 4.7 p I. Varcolacu, V. Mirea, B. Florea, A. A. Minea, <i>Instalatii, utilaje si echipamente metalurgice</i> (cap. 6)), in TRATAT DE STIINTA SI INGINERIA MATERIALELOR METALICE , Editori: Rami SABAN, Mihai COJOCARU, Editura AGIR, ISBN: 978-973-720-391-5, 2012, pp 632-939, 15.35 p 		258.69

Structura activității	Restricții Prof/Conf	Puncta j
4. A.A. Minea , <i>Rolul tehnicii, tehnologiei și ingineriei în dezvoltarea ecosocială</i> (cap. 7.2), în TRATAT DE ȘTIINȚA ȘI INGINERIA MATERIALELOR METALICE , Editori: Rami SABAN, Mihai COJOCARU, Editura AGIR, ISBN: 978-973-720-391-5, 2012, 963-972, 1.8 p		
5. A. Dima, S. Dimitriu A. A. Minea , C. Trante, <i>Utilaje, instalații și automatizări pentru tratamente termice</i> (cap. 1.8), în TRATAT DE ȘTIINȚA ȘI INGINERIA MATERIALELOR METALICE , Editori: Rami SABAN, Mihai COJOCARU, Editura AGIR, ISBN: 978-973-720-391-5, 2012, pp145-205, 3p		
6. A. A. Minea , <i>Tehnici de studiu a intensificării proceselor de transfer de căldură și masă</i> -229 pag., Ed. Politehniun, Iasi, ISBN 978-973-621-213-0, 2008, 45.8p		
7. A. A. Minea , <i>Aliaje de aluminiu. Tratamente termice și echipamente de încălzire specifice</i> – 263 pag, Ed. Cermin, Iasi, ISBN (10) 973-667-205-0, 2006, 52.6p		
8. A. Nicolae, C. Predescu, M. Nicolae, A. Vasiliu, P. Vizureanu, A.A. Minea , <i>Operaționalizarea conceptului DD în siderurgie</i> , 375pg, Ed. Printech, ISBN 973-718-562-5. , 2006, 12.5p		
9. Gh. Badarau, A. A. Minea , M. Stefan, <i>Proprietățile materialelor metalice</i> - 269 pag., Ed. “Gh. Asachi”, Iasi, 973-621-018-9, 2003, 17.94p		
10. A. A. Minea , O. Minea, <i>Metode de protecție și tratamente termice</i> - 263 pag., Ed. Cermin, Iasi, ISBN 973-9378-82-x, 1999, 26.3p		
11. R. Danila, A. Florescu, A. A. Minea , O. Calancia, <i>Prelucrarea mecanică a semifabricatelor turnate</i> – 150 pag., Ed. Cermin, Iasi, ISBN 973-98371-0-7, 1997, 7.5p		
A1.1.2 Cărți/capitole ca editor		
A1.1.2.1 Internaționale (Nr.pag/ (3x nr.editori)		
1. A.A. Minea , <i>Advances in Heat Transfer Fluids: from Numerical to Experimental Techniques</i> (532 pag) Ed. A. A. Minea, CRC press Taylor & Francis, ISBN 9781498751858 - CAT# K27275, 2017, 177.33p 2. A.A. Minea , <i>Advances in industrial heat transfer</i> ,(421 pag), CRC press Taylor & Francis, pp 1-46, ISBN: 9781439899076, 2012, 140.33p		317.66
A1.1.2.2 Naționale (Nr.pag/ (7x nr.editori)		
1. Date identificare item, calcul punctaj 2.		
A1.2 Material didactic/ Lucrări didactice		
A1.2.1 Manuale didactice/ Monografii (nr. pag/ 10xnr.autori)	2/1	
1. A. A. Minea, <i>Transfer de căldură și masă- aplicații și probleme</i> -115 pag. (28rd/pag), Ed. Pim, Iasi, ISBN 978-606-13-2619-8, 2015, 11.5p		113.5

Structura activității	Restricții Prof/Conf	Punctaj
2. A. A. Minea , <i>Tehnici de simulare a proceselor termogazodinamice</i> -277 pag., Ed. Matrix Rom București, ISBN 978-973-755-603-5, 2010, 27.7p		
3. A. A. Minea , <i>Transfer de căldură și masă- notițe de curs și aplicații</i> -262 pag., Ed. Pim, Iasi, ISBN 606-520-835-3, 2010, 26.2p		
4. A. A. Minea , <i>Transfer de caldura si masa</i> -103 pg., Ed. Cerami, Iasi, ISBN 978-973-667-220-0, 2007, 10.3p		
5. A. A. Minea , A.Dima, <i>Transfer de masa si energie</i> - 294 pag., Ed.Tehnica, Stiintifica si didactica Cerami, Iasi, ISBN 973-667-115-1, 2005, 14.7p		
6. A. A. Minea , <i>Transfer de caldura si instalatii termice</i> - 231 pag., Ed.Tehnica, Stiintifica si didactica Cerami, Iasi, ISBN 973-8188-63-6, 2003, 23.1p		
A1.2.2 Îndrumătoare de laborator/aplicații(nr. pag/ 20xnr.autori)	1/1	
1. A. A. Minea , <i>Simularea proceselor termogazodinamice, lucrari practice</i> -183 pag. http://www12.tuiasi.ro/users/112/Laborator%20TSPT.pdf ; Iasi, 2013, 9.15p		
2. A. A. Minea , <i>Cuptoare si instalatii de incalzire, Indrumar de proiectare</i> -89 pag. , Ed. Cerami, Iasi, ISBN 978-973-667-219-4, 2007, 4.45p		
3. A. A. Minea , <i>Transfer de masa si energie. Aplicatii in stiinta si ingineria materialelor</i> - 154 pag. Ed.Tehnopres, Iasi, ISBN 973-8048-21-4, 2006, 7.7p		
4. A. Dima, A. A. Minea , <i>Cuptoare si instalatii de incalzire – Particularitati constructiv-functionale</i> – 229 pag., Ed. Cerami, Iasi, ISBN 973-667-114-3, 2005, 5.73p		30.2
5. A. Dima, R. Popescu, P. Vizureanu, A. A. Minea , <i>Cuptoare si instalatii de incalzire, vol. 2 – Elemente de proiectare asistata de calculator a cuptoarelor cu combustie</i> – 184 pag. Ed. Sedcom Libris, Iasi, ISBN 973-9818714, 1997, 2.3p		
6. I. Malureanu, A. Florescu, R. Comaneci, R. Danila, V. Moldovan, C. Bejinariu, O. Calancia, D. Gheorghiu, A. A. Minea , <i>Stiinta si tehnologia materialelor, vol.3</i> –156 pag., Ed. Cerami, Iasi, ISBN, 1997, 0,87p		
PUNCTAJ TOTAL Domeniu de activitate A1		1298.55
A2. Activitatea de cercetare		
A2.1 <i>Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI proceedings (50xFI/nr.autori)</i>	15/10	
1. G.M. Moldoveanu, C Ibanescu, M. Danu, A.A. Minea , Viscosity estimation of Al2O3, SiO2 nanofluids and their hybrid: An experimental study, Journal of Molecular Liquids, https://doi.org/10.1016/j.molliq.2018.01.061 , 2018.		
2. A.A. Minea , W. M. El-Maghlany, Influence of hybrid nanofluids on the performance of parabolic trough collectors in solar thermal systems: recent findings and numerical comparison, Renewable energy, 120 (2018) 350-364.		2901.53
3. GM Moldoveanu, AA Minea , M Iacob, C Ibanescu, M Danu, Experimental study on viscosity of stabilized Al2O3, TiO2 nanofluids and their hybrid,		

Structura activității	Restricții Prof/Conf	Punctaj
<p>Thermochimica Acta, DOI: https://doi.org/10.1016/j.tca.2017.12.008, 659 (10), 203–2122017, 2018</p> <p>4. S. Akilu , A. T. Baheta , M. A. M.Said , A.A. Minea , K.V. Sharma, Properties of glycerol and ethylene glycol mixture based SiO₂-CuO/C hybrid nanofluid for enhanced solar energy transport, Solar Energy Materials and Solar Cells, https://doi.org/10.1016/j.solmat.2017.10.027, 2017.</p> <p>5. S. Akilu, A. T. Baheta, A. A. Minea, K.V. Sharma, Rheology and thermal conductivity of non-porous silica (SiO₂) in viscous glycerol and ethylene glycol based nanofluids, International Communications in Heat And Mass Transfer, 88 (2017) 245-253, 2017</p> <p>6. AA. Minea, W. M. El-Maghlany, Natural convection heat transfer utilizing ionic nanofluids with temperature-dependent thermophysical properties, Chemical Engineering Science 174 (2017) 13–24</p> <p>7. A.A. Minea, G. Lorenzini, A numerical study on ZnO based nanofluids behavior on natural convection, International Journal Of Heat And Mass Transfer, DOI: 10.1016/j.ijheatmasstransfer.2017.06.069, 114 (2017) 286-296 2017</p> <p>8. A.A. Minea, M.G. Moldoveanu, STUDIES ON Al₂O₃, CuO AND TiO₂ WATER BASED NANOFLUIDS: A COMPARATIVE APPROACH IN LAMINAR AND TURBULENT FLOW, Journal of engineering thermophysics, 26 (2), 291-301, 2017.</p> <p>9. A.A. Minea, Challenges in hybrid nanofluids behavior in turbulent flow: Recent research and numerical comparison, Renewable and Sustainable Energy Reviews, DOI: 10.1016/j.rser.2016.12.072, 71 (2017) 426–434</p> <p>10. AA Minea, O Manca, Field-synergy and Figure of Merit Analysis of Two Oxide Water Based Nanofluid Flow in Heated Tubes, Heat Transfer Engineering, DOI:10.1080/01457632.2016.1212569, Vol. 38, No. 10, 909-918, 2017.</p> <p>11. AA. Minea, Hybrid nanofluids based on Al₂O₃, TiO₂ and SiO₂: numerical evaluation of different approaches, International Journal Of Heat And Mass Transfer, 104 (2017) 852–860, 2017</p> <p>12. A. A. Minea, A study on Brinkman number variation on water based nanofluid heat transfer in partially heated tubes, Mechanics Research Communications, DOI: 10.1016/j.mechrescom.2016.01.013, 2016(FI=1,667)</p> <p>13. A. A. Minea, Comparative study of turbulent heat transfer of nanofluids: effect of termophysical properties on figure of merit ratio, Journal of Thermal Analysis and Calorimetry, DOI: 10.1007/s10973-015-5166-z, 2015(FI=1,953),</p> <p>14. A. A. Minea, Numerical studies on heat transfer enhancement and synergy analysis on few metal oxide water based nanofluids, International Journal Of Heat And Mass Transfer, DOI: http://dx.doi.org/10.1016/j.ijheatmasstransfer.2015.06.039, vol. 89, pp.1207-1215, 2015(FI=3,458),</p> <p>15. A. M. Amaro, F. V. Antunes, M. A. Neto, P. N. B. Reis, A. A. Minea, Resonant techniques as non-destructive techniques (ndt) applied to composite</p>		

Structura activității	Restricții Prof/Conf	Puncta j
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<p><i>A2.2 Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale (50x0.08/nr.autori)</i></p>	5/2	
<p>ISI:</p> <ol style="list-style-type: none"> 1. D Iacob, A. A. Minea, P. N. B. Reis, High strength steels for safety applications in automotive industry, <i>Metalurgia International</i> vol XVI, no.6, ISSN 1582-2214, pp. 5-9, 2011, 2. A A Minea, O. Manca, Technology research, development and deployment: Needs and trends on process heating, <i>Metalurgia International</i> vol XVI, no.1, ISSN 1582-2214, pp. 77-82, 2011, 3. A A Minea, A Mach number simulation study on a regular furnace, <i>Metalurgia International</i> vol XV, no.8, ISSN 1582-2214, pp. 10-15, 2010, 4. A A Minea, Studies on Mach number variation on a modified heated enclosure, <i>Metalurgia International</i> vol XV, no.5, ISSN 1582-2214, pp. 38-44, 2010, 5. A A Minea, A study on decreasing global energy consumptions: solar energy, <i>Metalurgia International</i> vol XV, no.2, ISSN 1582-2214, pp. 75-80, 2010, 6. A A Minea, Active techniques for improving heat transfer, <i>Metalurgia International</i> vol XIV, no.7 special issue, ISSN 1582-2214, pp. 62-65, 2009, 7. A A Minea, O Manca, Techniques for intensifying heat transfer: from basics to nanofluids, <i>Metalurgia International</i> vol XIV, no.12, ISSN 1582-2214, pp. 54-61, 2009, 8. A A Minea, Studies on a cost-efficient technique for increasing furnaces energy efficiency. environmental aspects, <i>Metalurgia International</i> vol XIV, no.10 special issue, ISSN 1582-2214, pp. 57-61, 2009 9. A. Dima, A.A. Minea, <i>Reducing oxide layer on AlCu₂,5Mg treated parts through improving heat transfer</i>, <i>Metalurgia International</i> vol. XIII(10): pag. 5-8, ISSN 1582-2214, 2008, 		104.27

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12. A. A. Minea , <i>Theoretical studies on forced convection in a variety of configurations</i> , Rev Metalurgia International, vol. XIII, nr.1, Bucuresti, pp. 11- 17, ISSN 1582-2214, 2008 ,		
13. A. A. Minea , <i>Experimental technique for increasing heating rate in oval furnaces</i> , Rev Metalurgia International, vol. XIII, nr.4, Bucuresti, pp. 31- 35, ISSN 1582-2214, 2008 ,		
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18. N. Bianco, O. Manca, A. A. Minea , V. Naso, D. Ricci, <i>Numerical model for back treatment of multilayer thin films by a moving laser source</i> , <i>International Review of Mechanical Engineering</i> , IREME, Praise Worthy Publishing, vol. 4, no. 2, ISSN 1970 – 8734, pp.123-127, 2010,		
19. O. Manca, A. A. Minea , S. Nardini, S. Tamburrino, <i>Transient heat conduction in solides irradiated by a moving heat source with combined donutand Gaussian distribution</i> , <i>International Review of Mechanical Engineering</i> , IREME, Praise Worthy Publishing, vol. 4, no.2, ISSN 1970 – 8734, pp.123-127, 2010,		
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<p>Praise Worthy Publishing, ISSN 1970 – 8734, pp.319-325, 2008,</p> <p>22. A.A. Minea, <i>Corelation Between Aluminum Alloys Oxidation And Chamber Geometry Of The Heat Treatment Equipment</i>, International Review of Mechanical Engineering , IREME, Praise Worthy Publishing, ISSN 1970 – 8734, pp.268-273, 2007,</p> <p>23. A. Minea, O. Minea, P. Dumitrash, <i>Studies about AlCu2Mg1,5Ni behavior at heat treatment</i>, Elektronai obrabotka materialov, Revista Academiei de Stiinte a Moldovei, Republica Moldova, no.6, pp.82-84, ISSN 0013-5739, 2003</p> <p>Google Scholar (http://scholar.google.ro/scholar?hl=en&q=Minea+AA&btnG=&as_sdt=1%2C5&as_sdtp=), CSA:</p> <p>24. A.A. Minea, M. G. Moldoveanu, O. Dodun, Thermal Conductivity Enhancement by Adding Nanoparticles to Ionic Liquids, Precision Machining IX, Edited by: Angelos P. Markopoulos and George Christopher Vosniakos, Solid State Phenomena (Volume 261),Pages: 121-126, DOI: 10.4028/www.scientific.net/SSP.261.121, 2017</p> <p>25. M.G. Moldoveanu, T.M. Simionescu, A.A. Minea and A. Dima, Analytical Technique for Estimating the Thermophysical Properties of Hybrid Nanofluids, Advanced Materials Research, ISSN: 1662-8985, doi:10.4028/www.scientific.net/AMR.1143.207 Vol. 1143, 207-214, 2017</p> <p>26. A A Minea, A Review on the Thermophysical Properties of Water-Based Nanofluids and their Hybrids, THE ANNALS OF “DUNAREA DE JOS” UNIVERSITY OF GALATI, Fascicle IX, METALLURGY AND MATERIALS SCIENCE, March 2016, no. 1, ISSN 1453-083X, pp. 35-46, 2016,</p> <p>27. M.G. Moldoveanu, A.A. Minea, Studies on few water based nanofluids behavior at heating, Advanced Materials Research, Vol. 1128, pp 384-389, 2015,</p> <p>28. T. M. Simionescu, A.A. Minea, Theoretical considerations on nanocomposites thermal conductivity uncertainties, Advanced Materials Research, Vol. 1128, pp 171-177, 2015,</p> <p>29. M.G. Moldoveanu, A.A. Minea, A Study on Uncertainties in Estimations of Thermal Conductivity of Alumina Nanofluids, Applied Mechanics and Materials, Vol. 809-810 pp 525-530, 2015,</p> <p>30. T.M. Simionescu, A.A. Minea, A Study on Nanocomposites Behaviour at Heating, Applied Mechanics and Materials Vol. 809-810 pp 519-524, 2015,</p> <p>31. A A Minea, Numerical analysis of nanofluids used in heat exchangers applications, TEHNOMUS - New Technologies and Products in Machine Manufacturing Technologies, pp. 131-138, 2013,</p> <p>32. AA. Minea, PNB Reis: Simulation of flow and mass transfer in a fluidized bed having different fluidization rates with Syamlal-O'Brien model, Metalurgia vol 63, no.5, ISSN 0461-9579, pp.5-11, 2011,</p>		

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<p>33. AA Minea: A CFD study on vortex creation in unsteady flow, Metalurgia vol 63, no.7, ISSN 0461-9579, pp.13-21, 2011,</p> <p>34. P.N B Reis, D Iacob, A A Minea: Heat transfer in composite materials, Metalurgia vol 63, no.6, ISSN 0461-9579, pp.5-15, 2011,</p> <p>35. A.A Minea: Simulation of flow and mass transfer over a cylinder, Metalurgia vol 63, no.6, ISSN 0461-9579, pp.20-27, 2011,</p> <p>36. N. Bianco, O. Manca, A.A. Minea, V. Naso, Numerical Study of the quasi steady state temperature field by a moving heat source for surface heat treating, Metalurgia (9): pag.5-11, ISSN 0461-9579, 2009,</p> <p>37. A. A. Minea , A. Dima, <i>Studies On Energetic Consumption Of An Oval Furnace</i>,Croatia Metal 2008, 15 mai, ISBN 978-80-254-1987-8, pp. 135, 2008,</p> <p>38. A. A. Minea, <i>Optimizarea functionarii unui cuptor electric cu radiatie, prin schimbarea regimului de circulatie al aerului</i> , Metalurgia (57), nr.3, Bucuresti, pp. 42- 47, ISSN 0461-9579, 2005</p> <p>39. A. Dima, A. A. Minea, I. Dima, <i>Researches for the determination of the ATCSi10-Mg alloy fatigue life, function of different applied thermal treatment cycles</i>, Analele Univ. Dunarea de Jos, Galati, anul XXII(XXVIII), Fasc. IX, nr.1, pp. 16-18, ISBN 1453-083X, 2005</p> <p>40. A.A. Minea, A. Dima, <i>Experimental studies on structure profile of cast alluminum alloys</i>, Analele Univ. Dunarea de Jos, Galati, anul XXII(XXVIII), Fasc. IX, nr.1, pp. 66-70, ISBN 1453-083X, 2005</p>		
A2.3 Brevete de invenție		
A2.3.1 Internaționale		
<p>1. Date identificare item, calcul punctaj</p> <p>2.</p>		
A2.3.2 Naționale		
<p>1. 1. A.A. Minea, I.G. Sandu, <i>Procedeu de eficientizare a proceselor de transfer de caldura in cuptoarele electrice clasice pentru tratamentul termic la temperaturi medii</i>, B.I. no. 122743/30.12.2009, 2006, 7.625p</p>		7.625
A2.4 Granturi/proiecte câștigate prin competiție	3/2	
A2.4.1 Director/responsabil		
A2.4.1.1 Internaționale (20xani desfasurare)		
<p>1. Coordonator partea română pentru programul Erasmus IP cu Portugalia, Spania si Polonia (nr 2013-1-PT1-ERA10-16665), 1 an, 20p</p> <p>2. Energy Efficiency in Buildings in Russia and Armenia – MARUEEB: 2015, Erasmus KA2_ Horizon 2020, 2015-2018 4 ani, 80p</p> <p>3. Overcoming Barriers to Nanofluids Market Uptake (NANO-UPTAKE), membru in Management Committee si Dissemination Manager: 2016-2019 COST_ Horizon, 4 ani, 80p</p>		180

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<p>A2.4.1.2 Naționale(5xani desfasurare)</p> <p>1. Contract de finanțare pentru executie proiecte nr. 275 /31.10.2008, <i>Programul INOVARE</i> Categoriza de proiect: CDI- orientate Denumirea proiectului: <i>Tehnologia de realizare a pieselor auto metalice su straturi superficiale modificate zonal</i> Autoritatea Contractantă: <i>AMCSIT</i> Contractor: <i>PROCOMIMPEX SRL Iași</i> Director de proiect: Minea Alina Adriana Valoarea proiectului: 1 100 767 lei (RON) – 4 ani 2008 + 2009: 375 016 2010: 390 000 2011: 23 334</p> <p>2. Contract de finanțare pentru executie proiecte nr. 81 / 01.10.2007 <i>Programul PNCDI II</i> Categoriza de proiect: IDEI Denumirea proiectului: <i>Tehnici experimentale si CFD pentru optimizarea energetica a cuptoarelor electrice, prin modificarea geometriei spatiului de lucru</i> Contractor: <i>Universitatea Tehnică „Gh. Asachi” din Iași</i> Director de proiect: Minea Alina Adriana Valoarea proiectului: 555708 lei (RON) – 3 ani 2007: 117300.00 2008: 332350.00 2009: 106058.00</p> <p>3. Contract de finanțare pentru executie proiecte nr. 5882 / 2006, <i>Programul MCT- EXCELENTA</i> Categoriza de proiect:ET Denumirea proiectului: <i>Reducerea consumurilor energetice ale instalatiilor de incalzire la temperaturi medii prin intensificarea proceselor de transfer de caldura si masa</i> Contractor: <i>Universitatea Tehnică „Gh. Asachi” din Iași</i> Director de proiect: Minea Alina Adriana Valoarea proiectului: 130 000 lei (RON) – 3 ani 2006: 16000.00 2007: 84000.00 2008: 30000.00</p> <p>4. Contract de finanțare pentru executie proiecte nr. 63GR tema 28 / 2006 <i>Programul CNCSIS</i> Categoriza de proiect: AT</p>		55

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Denumirea proiectului: <i>Optimizarea energetica a instalatiilor de tratament termic al aliajelor de aluminiu, prin eficientizarea proceselor de transfer termic. Implicatii metalurgice</i> Contractor: Universitatea Tehnică „Gh. Asachi” din Iași Director de proiect: Minea Alina Adriana Valoarea proiectului: 45 000 lei (RON) – 1 an		
A2.4.2 Membru în echipa		
A2.4.2.1 Internaționale (4x ani)		
1. Membru rețea de cercetare Research Network GreTInMat: Horizon 2020, BG05M2OP001-2.009-0015, coordonator: UCTM, Sofia, Bulgaria, 2017-2018 2.		8
A2.4.2.2 Naționale (2x ani)		
1. Contract de finanțare pentru execuție proiecte nr. 72-227 /2008 <i>Programul PARTENERIATE</i> Categoria de proiect: parteneriate Denumirea proiectului: <i>Straturi compozite avansate utilizate în terotehnica obținute prin pulverizare termică în arc electric activat</i> Autoritatea Contractantă: <i>UEFISCDI</i> Director de proiect: Băciu Constantin, membru: Minea Alina Adriana Valoarea proiectului: 273 785.95lei (RON) – 3 ani 2009:64651.00 2010:92719.00 2011:116415.95 2. Contract de finanțare pentru execuție proiecte nr. 113.1 /29.09.2007 <i>Programul INOVARE</i> Categoria de proiect: CDI- orientate Denumirea proiectului: <i>Tehnologie pentru sudo-brazarea structurilor duplex din oțel de construcții protejat cu straturi de zinc</i> Autoritatea Contractantă: <i>AMCSIT</i> Director de proiect: Rusu Ioan, membru: Minea Alina Adriana Valoarea proiectului: 187 979lei (RON)-3 ani 2007:74230.00 2008:56100.00 2009:57649.00 3. Contract de finanțare pentru execuție proiecte nr. 71-086 / 18.09.2007 <i>Programul PARTENERIATE ÎN DOMENIILE PRIORITARE</i> Categoria de proiect: PROIECTE COMPLEXE Denumirea proiectului: <i>Tehnologie modernă de obținere a straturilor fosfatate de înaltă porozitate pentru prelucrarea plastică volumică a pieselor din industria de automobile</i>		74

Structura activității	Restricții Prof/Conf	Puncta j
<p>Autoritatea Contractantă: Centrul National de Management Programe Contractor: Universitatea Tehnică „Gh. Asachi” din Iași Director de proiect: Bejinariu Costică, membru: Minea Alina Adriana Valoarea proiectului: 379 455 lei (RON) – 4 ani 2007:39000.00 2008:99000.00 2009:170601.00 2010:70854.00</p>		
<p>4. Contract de finanțare pentru executie proiecte nr. 171/2006 <i>Programul MCT EXCELENTA</i> Categorica de proiect:MODUL1 Denumirea proiectului: <i>Sisteme expert pentru comanda sistemelor termice</i> Contractor: Universitatea Tehnică „Gh. Asachi” din Iași Director de proiect: Vizureanu Petrica, membru: Minea Alina Adriana Valoarea proiectului: 511 500 lei (RON) – 3 ani 2006:134450.00 2007:81700.00 2008:295350.00</p>		
<p>5. Contract de finanțare pentru executie proiecte nr. 293 / 13.09.2006 <i>Programul „Cercetare de excelenta”</i> Categorica de proiect: Modul: 1; Tip de proiect: P-CD Denumirea proiectului: <i>Sistem tehnologic performant pentru tragerea țevilor din oțeluri inoxidabile cu vibrații ultrasonice</i> Autoritatea Contractantă: <i>Agenția Managerială de Cercetare Științifică, Inovare si Transfer Tehnologic - POLITEHNICA</i> Contractor: Universitatea Tehnică „Gh. Asachi” din Iași Director de proiect: Susan Mihai, membru: Minea Alina Adriana Valoarea proiectului: 600 000 lei (RON) – 3 ani 2006:114000.00 2007:117000.00 2008:369000.00</p>		
<p>6. Contract de finanțare pentru executie proiecte nr. 193 / 20.07.2006 <i>Programul „Cercetare de excelenta”</i> Categorica de proiect: Modul: 1; Tip de proiect: P-CD Denumirea proiectului: <i>Materiale multifuncționale cu granulație ultrafină/nanometrică obținută prin deformare plastică severă</i> Autoritatea Contractantă: <i>Agenția Managerială de Cercetare Științifică, Inovare si Transfer Tehnologic - POLITEHNICA</i> Contractor: Universitatea Tehnică „Gh. Asachi” din Iași Director de proiect: Comăneci Radu, membru: Minea Alina Adriana</p>		

Structura activității	Restricții Prof/Conf	Puncta j
<p>Valoarea proiectului: 399 500 lei (RON) – 3 ani 2006:33650.00 2007:130000.00 2008:235850.00</p> <p>7. Contract de finanțare pentru executie proiecte nr. 191 / 20.07.2006 <i>Programul „Cercetare de excelenta”</i> Categoricia de proiect: Modul: 1; Tip de proiect: P-CD Denumirea proiectului: „Sistem automat pentru obținerea piulițelor olandeze din oțel prin extrudare indirectă la rece” Autoritatea Contractantă: <i>Agenția Managerială de Cercetare Științifică, Inovare și Transfer Tehnologic - POLITEHNICA</i> Contractor: Universitatea Tehnică „Gh. Asachi” din Iași Director de proiect: Bejinariu Costică, membru: Minea Alina Adriana Valoarea proiectului: 410 000 lei (RON) – 3 ani 2006:47000.00 2007:178000.00 2008:185000.00</p> <p>8. Contract de finanțare pentru executie proiecte nr. 1123 / 12.01.2001 <i>Programul RELANSIN’</i> Categoricia de proiect: TM Denumirea proiectului: <i>Realizarea unei tehnologii complexe de tratament termic criogenic și/sau termomecanic a corpurilor de rulmenți în scopul creșterii fiabilității rulmenților</i> Contractor: Universitatea Tehnică „Gh. Asachi” din Iași Director de proiect: Alexandru Ioan, membru: Minea Alina Adriana Valoarea proiectului: 79 280 lei (RON) – 3 ani 2001:29700.00 2002:41580.00 2003:8000.00</p> <p>9. Contract de finanțare pentru executie proiecte nr. 905 / 19.09.2000 <i>Programul RELANSIN’</i> Categoricia de proiect: TM Denumirea proiectului: <i>Tehnologii moderne, de mare eficiență economică, pentru obținerea țevilor cu pereți subțiri și a cablurilor cu izolație minerală pentru termocupluri în tub metalic, din oțeluri inoxidabile, prin tragere în câmp ultrasonor</i> Contractor: Universitatea Tehnică „Gh. Asachi” din Iași Director de proiect: Dima Adrian, membru: Minea Alina Adriana Valoarea proiectului: 79 995 lei (RON) – 3 ani 2001:39600.00 2002:10395.00</p>		

Structura activității	Restricții Prof/Conf	Puncta j
<p>2003:30000.00</p> <p>10. Contract de finanțare pentru execuție proiecte nr. 1274/1996, act aditional nr. 433 din 11.06.1999 <i>Programul: ORIZONT 2000 / 11.1.2 – Tehnici, tehnologii conventionale si neconventionale in procese industriale</i> Tema B1 : <i>Cercetari privind obtinerea tevilor cu pereti subtiri prin tragere la rece, cu activarea ultraacustica a tije port-dop si posibilitatea implementarii noii tehnologi in industria tevilor</i> Faza unica 1999 : Stadiul actual, fundamentare teoretica si elemente de proiectare tehnologica Finantare: MCT / ANSTI – 1999 Contractor: Universitatea Tehnica "Gheorghe Asachi" din Iasi Director de proiect : Dima Adrian, membru: Minea Alina Adriana Valoare faza unica 1999 : 4000 lei (RON) – 1 an</p> <p>11. Contract nr. 52 / 22.07.1999 Tema: Cercetari privind determinarea elementelor de constructie metalica sudate cu ajutorul vibratiilor ultraacustice si posibilitatea implementarii noii tehnologii Beneficiar : SC FORTUS SA Iasi Executant : Universitatea Tehnica "Gheorghe Asachi" din Iasi , Departamentul de Ingineria Materialelor, prin CCTT Polytech Responsabil de contract : Susan Mihai, membru: Minea Alina Adriana Valoarea proiectului UTI : 1500 lei (RON) – 1 an</p> <p>12. Contract nr. 41/ 24.06.1998 Tema: Utilizarea "efectului de inmuierie" al ultrasunetelor pentru reducerea starii de ecruisare in benzile laminate la rece (fara tratament termic), concomitant cu pastrarea unor valori ridicate ale rezistentei mecanice (Rm), specifice starii initiale si obtinerea unei alungiri de circa 5...12% Beneficiar : SC GALFINBAND SA Galati Executant : Universitatea Tehnica "Gheorghe Asachi" din Iasi , Departamentul de Ingineria Materialelor, prin CCTT Polytech Responsabil de contract : Susan Mihai, membru: Minea Alina Adriana Valoarea proiectului UTI : 1400 lei (RON) – 1 an</p> <p>13. Contract nr. 18/28.10.1997 Tema: Conceperea si realizarea unui program de calcul pentru optimizarea geometriei interioare a filierelor cu miez din carburi metalice pentru trefilarea sarmelor din otel, de simetrie cilindrica, intitulat "OptimGeoFil" Beneficiar : SC Industria Sarmei SA Campia Turzii Executant : Universitatea Tehnica "Gheorghe Asachi" din Iasi , Departamentul de Ingineria Materialelor, prin CCTT Polytech Responsabil de contract : Susan Mihai, membru: Minea Alina Adriana Valoarea proiectului UTI : 950 lei (RON) – 1 an</p> <p>14. Contract nr. 4009 / 22.03.1995</p>		

Structura activității	Restricții Prof/Conf	Puncta j
<p>Tema: Cercetari privind durificarea superficiala prin ecrusare in camp ultrasonor Beneficiar : SC FORTUS SA Iasi Executant : Universitatea Tehnica "Gheorghe Asachi" din Iasi , Departamentul de Ingineria Materialelor, prin CCTT Polytech Responsabil de contract : Susan Mihai, membru: Minea Alina Adriana Valoarea proiectului UTI : 400 lei (RON) – 1 an</p> <p>15. Contract nr. 3853 / 30.03.1994 Tema: Cercetari privind curbarea lemnului in camp ultrasonor si posibilitatea implementarii noii tehnologii la "Moldomobila" SA Iasi Beneficiar : SC Moldomobila SA Iasi Executant : Universitatea Tehnica "Gheorghe Asachi" Iasi , Departamentul de Ingineria Materialelor, prin CCTT Polytech Responsabil de contract : Susan Mihai, membru: Minea Alina Adriana Valoare contract UTI : 277.57 lei (RON) – 2 ani 1994:135.02 1995:142.55</p> <p>16. Contract nr. 7549 / 08.07.1993 Tema:Cercetari privind implementarea tehnologiei de tragere a tevilor in camp ultrasonor la "PETROTUB" SA Roman Beneficiar : SC PETROTUB Sa Roman Executant : Universitatea Tehnica "Gheorghe Asachi" Iasi , Departamentul de Ingineria Materialelor, prin CCTT Polytech Responsabil de contract : Susan Mihai, membru: Minea Alina Adriana Valoare contract UTI : 93.2 lei (RON) – 1 an</p> <p>17. Contract nr. 41/ 1056/1990 Tema:Cercetari privind cresterea caracteristicilor de exploatare a sculelor aschietoare prin tratamente termice neconventionale in camp ultrasonor Beneficiar : SC ISEH Focsani Executant : Universitatea Tehnica "Gheorghe Asachi" Iasi , Departamentul de Ingineria Materialelor, prin CCTT Polytech Responsabil de contract : Dima Adrian, membru: Minea Alina Adriana Valoare contract UTI : 19.96 lei (RON) – 1 an</p>		
PUNCTAJ TOTAL Domeniu de activitate A2		3330.43
A3. Recunoașterea și impactul activității		
A3.1 Citări în reviste ISI și BDI		
A3.1.1 ISI		
CITĂRI ISI pana in 30 ian. 2018: http://apps.webofknowledge.com.am.e-information.ro/CitationReport.do?product=WOS&search_mode=CitationReport&SID=F6RmCB3aYFekM4XMIFB&page=1&cr_pqid=3&viewType=		1950.83

Structura activității	Restricții Prof/Conf	Puncta j
summary&colName=WOS		
<p>1. Natural convection heat transfer utilizing ionic nanofluids with temperature-dependent thermophysical properties By: Minea, Alina-Adriana; El-Maghlany, Wael M. CHEMICAL ENGINEERING SCIENCE Volume: 174 Pages: 13-24 Published: DEC 31 2017 1 citare</p>		
Modeling of convective turbulent heat transfer of water-based Al ₂ O ₃ nanofluids in an uniformly heated pipe By: Sekrani, Ghofrane; Poncet, Sebastien; Proulx, Pierre CHEMICAL ENGINEERING SCIENCE Volume: 176 Pages: 205-219 Published: FEB 2 2018	2.895	10p
<p>2. Challenges in hybrid nanofluids behavior in turbulent flow: Recent research and numerical comparison By: Minea, Alina Adriana RENEWABLE & SUSTAINABLE ENERGY REVIEWS Volume: 71 Pages: 426-434 Published: MAY 2017 6 citare</p>		
Novel hybrid nanofluid with tunable specific heat and thermal conductivity: Characterization and performance assessment for energy related applications By: Chandran, M. Neelesh; Manikandan, S.; Suganthi, K. S.; et al. ENERGY Volume: 140 Pages: 27-39 Part: 1 Published: DEC 1 2017	4.52	20
Comparison of experimental and calculated thermophysical properties of alumina/cupric oxide hybrid nanofluids By: Kannaiyan, Sathishkumar; Boobalan, Chitra; Umasankaran, Avinash; et al. JOURNAL OF MOLECULAR LIQUIDS Volume: 244 Pages: 469-477 Published: OCT 2017	3.648	20
Thermophysical and dielectric profiles of ethylene glycol based titanium nitride (TiN-EG) nanofluids with various size of particles By: Zyla, Gawel; Fal, Jacek; Estelle, Patrice INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER Volume: 113 Pages: 1189-1199 Published: OCT 2017	3.458	20
Computational investigation of heat transfer and entropy generation rates of Al ₂ O ₃ nanofluid with Buongiorno's model and using a novel TVD hybrid LB method By: Ahrar, Amir Javad; Djavarehshkian, Mohammad Hassan JOURNAL OF MOLECULAR LIQUIDS Volume: 242 Pages: 24-39 Published: SEP 2017	3.648	20
Heat transfer performance assessment of hybrid nanofluids in a parallel channel under identical pumping power By: Yang, Chen; Wu, Xiaowei; Zheng, Yongkun; et al. CHEMICAL ENGINEERING SCIENCE Volume: 168 Pages: 67-77 Published: AUG 31 2017	2.895	20
Numerical simulation of Cu-water nanofluid magneto-hydro-dynamics and heat transfer in a cavity containing a circular cylinder of different size and positions By: Ahrara, Amir Javad; Djavarehshkianb, Mohammad Hassan; Ataiyanc, Mahbubeh INTERNATIONAL JOURNAL OF HEAT AND TECHNOLOGY Volume: 35 Issue: 2 Pages: 403-415 Published: JUN 2017	-	5
<p>3. Hybrid nanofluids based on Al₂O₃, TiO₂ and SiO₂: Numerical evaluation of different approaches By: Minea, Alina Adriana INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER Volume: 104 Pages: 852-860 Published: JAN 2017 8 citare</p>		
On the evaluation of the viscosity of nanofluid systems: Modeling and data assessment By: Hemmati-Sarapardeh, Abdolhossein; Varamesh, Amir; Husein, Maen M.; et al. RENEWABLE & SUSTAINABLE ENERGY REVIEWS Volume: 81 Pages: 313-329 Part: 1 Published: JAN 2018	8.05	30

Structura activității			Restricții Prof/Conf	Puncta j
Factors affecting the performance of hybrid nanofluids: A comprehensive review By: Hamzah, Muhammad Hafiz; Sidik, Nor Azwadi Che; Ken, Tan Lit; et al. INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER Volume: 115 Pages: 630-646 Part: A Published: DEC 2017	3.458			20
A review on preparation methods, stability and applications of hybrid nanofluids By: Sidik, Nor Azwadi Che; Jamil, Muhammad Mahmud; Japar, Wan Mohd Arif Aziz; et al. RENEWABLE & SUSTAINABLE ENERGY REVIEWS Volume: 80 Pages: 1112-1122 Published: DEC 2017	8.05			30
Comparison of experimental and calculated thermophysical properties of alumina/cupric oxide hybrid nanofluids By: Kannaiyan, Sathishkumar; Boobalan, Chitra; Umasankaran, Avinash; et al. JOURNAL OF MOLECULAR LIQUIDS Volume: 244 Pages: 469-477 Published: OCT 2017	3.648			20
Heat transfer performance assessment of hybrid nanofluids in a parallel channel under identical pumping power By: Yang, Chen; Wu, Xiaowei; Zheng, Yongkun; et al. CHEMICAL ENGINEERING SCIENCE Volume: 168 Pages: 67-77 Published: AUG 31 2017	2.895			20
An experimental study on the thermal conductivity and dynamic viscosity of TiO ₂ -SiO ₂ nanofluids in water: Ethylene glycol mixture By: Nabil, M. F.; Azmi, W. H.; Hamid, K. Abdul; et al. INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER Volume: 86 Pages: 181-189 Published: AUG 2017	3.718			20
The influence of ash content on thermophysical properties of ethylene glycol based graphite/diamonds mixture nanofluids By: Zyla, Gawel; Fal, Jacek; Estelle, Patrice DIAMOND AND RELATED MATERIALS Volume: 74 Pages: 81-89 Published: APR 2017	2.561			20
Heat transfer and friction factor of composite TiO ₂ -SiO ₂ nanofluids in water-ethylene glycol (60:40) mixture By: Nabil, M. F.; Azmi, W. H.; Hamid, K. A.; et al. Book Group Author(s): IOP Conference: 4th International Conference on Mechanical Engineering Research (ICMER) Location: Kuantan, MALAYSIA Date: AUG 01-02, 2017 4TH INTERNATIONAL CONFERENCE ON MECHANICAL ENGINEERING RESEARCH (ICMER2017) Book Series: IOP Conference Series-Materials Science and Engineering Volume: 257 Article Number: UNSP 012066 Published: 2017	-			5
4. A study on Brinkman number variation on water based nanofluid heat transfer in partially heated tubes By: Minea, Alina Adriana MECHANICS RESEARCH COMMUNICATIONS Volume: 73 Pages: 7-11 Published: APR 2016 2citare				
The comparative analysis on using the NEPCM materials and nanofluids for microchannel cooling solutions By: Petrovic, Andrija; Lelea, Dorin; Laza, Ioan INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER Volume: 79 Pages: 39-45 Published: DEC 2016	3.718			20p
A new combination of nanoparticles mass diffusion flux and slip mechanism approaches with electrostatic forces in a natural convective cavity flow By: Mahdavi, M.; Sharifpur, M.; Ghodsinezhad, H.; et al. INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER Volume: 106 Pages: 980-988 Published: MAR 2017	3.458			
5. Comparative study of turbulent heat transfer of nanofluids By: Minea, Alina Adriana JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 124 Issue: 1 Pages: 407-416 Published: APR 2016				

Structura activității			Restricții Prof/Conf	Puncta j
2 citare				
Different modes of nanoparticle migration at mixed convection of Al ₂ O ₃ -water nanofluid inside a vertical microannulus in the presence of heat generation/absorption By: Moshizi, S. A.; Malvandi, A. JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 126 Issue: 3 Pages: 1947-1962 Published: DEC 2016	1.953	15p		
Viscosity, thermal and electrical conductivity of silicon dioxide-ethylene glycol transparent nanofluids: An experimental studies By: Zyla, Gawel; Fal, Jacek THERMOCHIMICA ACTA Volume: 650 Pages: 106-113 Published: APR 10 2017	2.236	20p		
6. Numerical studies on heat transfer enhancement and synergy analysis on few metal oxide water based nanofluids By: Minea, Alina Adriana INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER Volume: 89 Pages: 1207-1215 Published: OCT 2015				
4 citare				
Heat transfer performance assessment of hybrid nanofluids in a parallel channel under identical pumping power By: Yang, Chen; Wu, Xiaowei; Zheng, Yongkun; et al. CHEMICAL ENGINEERING SCIENCE Volume: 168 Pages: 67-77 Published: AUG 31 2017	2.895	20		
CIRCULAR AND SEMI-CIRCULAR CONSTRUCTAL VASCULAR CHANNELS FOR COOLING AND REDUCED STRESSES By: Cetkin, Erdal Edited by: Morega, AM; Lorente, S Conference: Constructal Law and Second Law Conference (CLC) Location: Bucharest, ROMANIA Date: MAY 15-16, 2017 CONSTRUCTAL LAW & SECOND LAW CONFERENCE (CLC2017) Pages: 1-16 Published: 2017	-	5		
Effect on Heat Transfer Characteristics of Nanofluids Flowing under Laminar and Turbulent Flow Regime - A Review By: Kumar, Prince; Pandey, K. M. Edited by: Noor, MM; Mani, VN; Ganesh, MS; et al. Conference: International Conference on Materials, Alloys and Experimental Mechanics (ICMAEM) Location: Narsimha Reddy Engn Coll, INDIA Date: JUL 03-04, 2017 INTERNATIONAL CONFERENCE ON MATERIALS, ALLOYS AND EXPERIMENTAL MECHANICS (ICMAEM-2017) Book Series: IOP Conference Series-Materials Science and Engineering Volume: 225 Article Number: 012168 Published: 2017	-	5		
Experimental and numerical investigation of constructal vascular channels for self-cooling: Parallel channels, tree-shaped and hybrid designs By: Yenigun, O.; Cetkin, E. INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER Volume: 103 Pages: 1155-1165 Published: DEC 2016	3.458	20p		
7. Numerical Simulation of Nanoparticles Concentration Effect on Forced Convection in a Tube With Nanofluids By: Minea, Alina Adriana HEAT TRANSFER ENGINEERING Volume: 36 Issue: 13 Pages: 1144-1153 Published: SEP 2 2015				
5 citari				
Engine cooling using Al ₂ O ₃ /water nanofluids By: Moghaieb, Hussein S.; Abdel-Hamid, H. M.; Shedid, Mohamed H.; et al. APPLIED THERMAL ENGINEERING Volume: 115 Pages: 152-159 Published: MAR 25 2017	3.444	20		
Thermal-Hydraulic Characteristics of Novel Configurations of Wavy Channel: Nanofluid as Working Fluid	1.235	15		

Structura activității			Restricții Prof/Conf	Puncta j
By: Khoshvaght-Aliabadi, Morteza HEAT TRANSFER ENGINEERING Volume: 38 Issue: 16 Pages: 1382-1395 Published: 2017				
Experimental and Numerical Investigation on Forced Convection in Circular Tubes With Nanofluids By: Colla, Laura; Fedele, Laura; Manca, Oronzio; et al. Conference: 4th International Conference on Micro and Nano Flows Location: Univ Coll London, London, ENGLAND Date: SEP 07-10, 2014 HEAT TRANSFER ENGINEERING Volume: 37 Issue: 13-14 Special Issue: SI Pages: 1201-1210 Published: SEP 21 2016	1.235	15p		
Heat Transfer and Pressure Drop Characteristics of Dilute Alumina-Water Nanofluids in a Pipe at Different Power Inputs By: Saxena, Richa; Gangacharyulu, Dasaraju; Bulasara, Vijaya Kumar HEAT TRANSFER ENGINEERING Volume: 37 Issue: 18 Pages: 1554-1565 Published: 2016	1.235	15p		
Numerical investigations of laminar heat transfer and flow performance of Al2O3-water nanofluids in a flat tube By: Zhao, Ningbo; Yang, Jialong; Li, Hui; et al. INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER Volume: 92 Pages: 268-282 Published: JAN 2016	3.458	20p		
8. Numerical studies on heat transfer enhancement in different closed enclosures heated symmetrically				
By: Minea, Alina Adriana				
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 121 Issue: 2 Pages: 711-720 Published: AUG 2015				
1 citare				
Ceramics and defects Infrared thermography and numerical simulations-a wide-ranging view for quantitative analysis By: Sfarra, Stefano; Perilli, Stefano; Paoletti, Domenica; et al. JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 123 Issue: 1 Pages: 43-62 Published: JAN 2016	1.953	15p		
9. A REVIEW ON ANALYTICAL TECHNIQUES FOR NATURAL CONVECTION INVESTIGATION IN A HEATED CLOSED ENCLOSURE Case Study				
By: Minea, Alina Adriana				
THERMAL SCIENCE Volume: 19 Issue: 3 Pages: 1077-1095 Published: 2015				
1 citare				
ANALYTICAL AND NUMERICAL METHODS FOR THERMAL SCIENCE By: Cui, Qiu-Na; Liu, Fu-Juan; He, Ji-Huan THERMAL SCIENCE Volume: 20 Issue: 3 Pages: IX-XIV Published: 2016	1.093	15p		
Fluid dynamics thermo-mechanical simulation of sintering: Uniformity of temperature and density distributions By: Maniere, Charles; Zahrah, Tony; Olevsky, Eugene A. APPLIED THERMAL ENGINEERING Volume: 123 Pages: 603-613 Published: AUG 2017	3.444	20		
10. An Analysis of the Electricity Sector in Romania				
By: Bianco, V.; Manca, O.; Nardini, S.; Minea AA				
ENERGY SOURCES PART B-ECONOMICS PLANNING AND POLICY Volume: 9 Issue: 2 Pages: 149-155 Published: APR 3 2014				
3 citari				
Energy resources in the Republic of Serbia: Development policy By: Jovancic, Predrag D.; Kolonja, Bozo; Ignjatovic, Dragan; et al. ENERGY SOURCES PART B-ECONOMICS PLANNING AND POLICY Volume: 11 Issue: 11 Pages: 1020-1026 Published: 2016	1.15	3.75p		
Long term outlook of primary energy consumption of the Italian thermoelectric sector: Impact of fuel and carbon prices By: Bianco, Vincenzo; Scarpa, Federico; Tagliafico, Luca A. ENERGY Volume: 87 Pages: 153-164 Published: JUL 1 2015	4.52	5p		

Structura activității			Restricții Prof/Conf	Puncta j
Long term outlook of primary energy consumption of the Italian thermoelectric sector: Impact of fuel and carbon prices By: Bianco, Vincenzo; Scarpa, Federico; Tagliafico, Luca A. ENERGY Volume: 87 Pages: 153-164 Published: JUL 1 2015	-	1.25p		
11. Uncertainties in modeling thermal conductivity of laminar forced convection heat transfer with water alumina nanofluids				
By: Minea, Alina Adriana				
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER Volume: 68 Pages: 78-84 Published: JAN 2014				
12 citari				
Increasing heat transfer of non-Newtonian nanofluid in rectangular microchannel with triangular ribs By: Shamsi, Mohammad Reza; Akbari, Omid Ali; Marzban, Ali; et al. PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES Volume: 93 Pages: 167-178 Published: SEP 2017	2.221	20		
Review on Application CuO/Distilled Water & Al2O3/Distilled Water for Enhancement Heat Transfer Characteristics in Cooling Systems By: Bin-Abdun, Nazih A.; Razlan, Zuradzman M.; Shahrman, A. B.; et al. Edited by: Abdullah, MMA; Ramli, MM; AbdRahim, SZ; et al. Conference: 3rd Electronic and Green Materials International Conference (EGM) Location: Aonang Krabi, THAILAND Date: APR 29-30, 2017 Sponsor(s): Univ Malaysia Perlis; Malaysia Res & Innovat Soc; Sch Microelectron Engrg; Ctr Excellence Geopolymer & Green Technol 3RD ELECTRONIC AND GREEN MATERIALS INTERNATIONAL CONFERENCE 2017 (EGM 2017) Book Series: AIP Conference Proceedings Volume: 1885 Article Number: UNSP 020085-1 Published: 2017	-	5		
A new model for density of nanofluids including nanolayer By: Sharifpur, Mohsen; Yousefi, Saboura; Meyer, Josua Petrus INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER Volume: 78 Pages: 168-174 Published: NOV 2016	3.718	20p		
Numerical Simulation of Nanofluid-Cooling Enhancement of Three Fins Mounted in a Horizontal Channel By: Khentoul, Moussa; Bessaih, Rachid Conference: 7th International Conference on Thermal Engineering and Applications (ICTEA) Location: Marrakesh, MOROCCO Date: MAY, 2014 JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME Volume: 138 Issue: 9 Article Number: 091002 Published: SEP 2016	1.866	15p		
Heat transfer augmentation in a tube using nanofluids under constant heat flux boundary condition: A review By: Singh, Vinay; Gupta, Munish ENERGY CONVERSION AND MANAGEMENT Volume: 123 Pages: 290-307 Published: SEP 1 2016	5.589	20p		
ANALYSIS OF CONVECTIVE HEAT TRANSFER ENHANCEMENT BY NANOFLUIDS: SINGLE-PHASE AND TWO-PHASE TREATMENTS By: Kakac, S.; Pramuanjaroenkij, A. JOURNAL OF ENGINEERING PHYSICS AND THERMOPHYSICS Volume: 89 Issue: 3 Published: MAY 2016	-	5p		
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Numerical study of convective heat transfer of nanofluids: A review By: Vanaki, Sh. M.; Ganesan, R.; Mohammed, H. A. RENEWABLE & SUSTAINABLE ENERGY REVIEWS Volume: 54 Pages: 1212-1239 Published: FEB 2016	8.05	20p		
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Three-Dimensional Numerical Investigation of Nanofluids Flow in Microtube with Different Values of Heat Flux By: Salman, B. H.; Mohammed, H. A.; Munisamy, K. M.; et al. HEAT TRANSFER-ASIAN RESEARCH Volume: 44 Issue: 7 Pages: 599-619 Published: NOV 2015	-	5p		
Heat transfer enhancement of Al ₂ O ₃ -H ₂ O nanofluids flowing through a micro heat sink with complex structure By: Zhai, Y. L.; Xia, G. D.; Liu, X. F.; et al. INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER Volume: 66 Pages: 158-166 Published: AUG 2015	3.718	20p		
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By: Minea, Alina Adriana				
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Single-phase heat transfer enhancement in micro/minichannels using nanofluids: Theory and applications By: Hussien, Ahmed A.; Abdullah, Mohd Z.; Al-Nimr, Moh'd A. APPLIED ENERGY Volume: 164 Pages: 733-755 Published: FEB 15 2016	7.182		30	
Experimental investigation of water based nanofluid containing copper nanoparticles across helical microtubes By: Khoshvaght-Aliabadi, M.; Pazdar, S.; Sartipzadeh, O. INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER Volume: 70 Pages: 84-92 Published: JAN 2016	3.718		20	
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Numerical and experimental investigation of heat transfer enhancement in a microtube using nanofluids By: Salman, B. H.; Mohammed, H. A.; Kherbeet, A. Sh. INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER Volume: 59 Pages: 88-100 Published: DEC 2014	3.718			20
Performance analysis of turbulent convection heat transfer of Al ₂ O ₃ water-nanofluid in circular tubes at constant wall temperature By: Bianco, Vincenzo; Manca, Oronzio; Nardini, Sergio ENERGY Volume: 77 Special Issue: SI Pages: 403-413 Published: DEC 1 2014	4.52			20
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Effects of Anisotropic Thermal Conductivity and Lorentz Force on the Flow and Heat Transfer of a Ferro-Nanofluid in a Magnetic Field By: Li, Yubai; Yan, Hongbin; Massoudi, Mehrdad; et al. ENERGIES Volume: 10 Issue: 7 Article Number: 1065 Published: JUL 2017	2.262		10	
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EXPERIMENTAL INVESTIGATION TO STUDY THE VISCOSITY AND DISPERSION OF CONDUCTIVE AND NON-CONDUCTIVE NANOPOWDERS' BLENDED DIELECTRICS By: Santarao, K.; Prasad, C. L. V. R. S. V.; Naidu, G. Swami ADVANCES IN SCIENCE AND TECHNOLOGY-RESEARCH JOURNAL Volume: 11 Issue: 1 Pages: 154-160 Published: MAR 2017	-		2.5	
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Experimental Investigation of Electrical Conductivity and Permittivity of SC-TiO ₂ -EG Nanofluids By: Fal, Jacek; Barylyak, Adriana; Besaha, Khrystyna; et al. NANOSCALE RESEARCH LETTERS Volume: 11 Article Number: 375 Published: AUG 24 2016	2.833		10	
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Experimental investigation of thermal conductivity and electrical conductivity of BioGlycol-water mixture based Al ₂ O ₃ nanofluid By: Abdolbaqi, M. Kh.; Azmi, W. H.; Mamat, Rizalman; et al. APPLIED THERMAL ENGINEERING Volume: 102 Pages: 932-941 Published: JUN 5 2016	3.444		10	
The study of electrical conductivity and diffusion behavior of water-based and ferro/ferricyanide-electrolyte-based alumina nanofluids By: Liu, Chang; Lee, Hyeonseok; Chang, Ya-Huei; et al. JOURNAL OF COLLOID AND INTERFACE SCIENCE Volume: 469 Pages: 17-24 Published: MAY 1 2016	4.233		10	
An experimental determination of thermal conductivity and electrical conductivity of bio glycol based Al ₂ O ₃ nanofluids and development of new correlation By: Khdher, Abdolbaqi Mohammed; Sidik, Nor Azwadi Che; Hamzah, Wan Azmi Wan; et al. INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER Volume: 73 Pages: 75-83 Published: APR 2016	3.718		10	

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Nanoparticle-tuned spreading behavior of nanofluid droplets on the solid substrate By: Li, YingQi; Wang, FengChao; Liu, He; et al. MICROFLUIDICS AND NANOFUIDICS Volume: 18 Issue: 1 Pages: 111-120 Published: JAN 2015	2.344			10
Performance analysis of turbulent convection heat transfer of Al ₂ O ₃ water-nanofluid in circular tubes at constant wall temperature By: Bianco, Vincenzo; Manca, Oronzio; Nardini, Sergio ENERGY Volume: 77 Special Issue: SI Pages: 403-413 Published: DEC 1 2014	4.52			10
Electrical conductivity, thermal conductivity, and rheological properties of graphene oxide-based nanofluids By: Hadadian, Mahboobeh; Goharshadi, Elaheh K.; Youssefi, Abbas JOURNAL OF NANOPARTICLE RESEARCH Volume: 16 Issue: 12 Article Number: 2788 Published: DEC	2.02			10

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Electrical conductivity enhancement of nanodiamond-nickel (ND-Ni) nanocomposite based magnetic nanofluids By: Sundar, L. Syam; Shusmitha, K.; Singh, Manoj K.; et al. INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER Volume: 57 Pages: 1-7 Published: OCT 2014	3.718			10
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18. Analysis and forecasting of nonresidential electricity consumption in Romania				
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Forecasting annual gross electricity demand by artificial neural networks using predicted values of socio-economic indicators and climatic conditions: Case of Turkey By: Gunay, M. Erdem	4.14			
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Sectoral electricity elasticities in South Africa: Before and after the supply crisis of 2008 By: Blignaut, James; Inglesi-Lotz, Roula; Weideman, Jaco P. SOUTH AFRICAN JOURNAL OF SCIENCE Volume: 111 Issue: 9-10 Article Number: 2014-0093 Published: SEP-OCT 2015	0.96	2.5
Energy's exports forecasting by a neuro-fuzzy controller By: Atsalakis, G.; Frantzis, D.; Zopounidis, C. ENERGY SYSTEMS-OPTIMIZATION MODELING SIMULATION AND ECONOMIC ASPECTS Volume: 6 Issue: 2 Pages: 249-267 Published: JUN 2015	-	1.25
Developing spreadsheet models of Holt-Winter methods and solving with Microsoft Excel solver and differential evaluation technique: An application to tourism sector By: Unal, Yusuf Ziya; Al-Turki, Umar Mustafa; Zaim, Selim; et al. Book Group Author(s): IEEE Conference: 2015 International Conference on Industrial Engineering and Operations Management (IEOM) Location: Dubai, U ARAB EMIRATES Date: MAR 03-05, 2015 Sponsor(s): ASQ; IEEE; BOEING; Emirates; Lawrence Technol Univ; Saudi Aramco; Informs; PROLIM; SIEMENS; Univ New Brunswick 2015 INTERNATIONAL CONFERENCE ON INDUSTRIAL ENGINEERING AND OPERATIONS MANAGEMENT (IEOM) Published: 2015	-	1.25
Using a Novel Grey System Model to Forecast Natural Gas Consumption in China By: Wu, Lifeng; Liu, Sifeng; Chen, Haijun; et al. MATHEMATICAL PROBLEMS IN ENGINEERING Article Number: 686501 Published: 2015	0.802	2.5
Estimation of the inconvenience cost of a rolling blackout in the residential sector: The case of South Korea By: Kim, Kayoung; Nam, Heekoo; Cho, Youngsang ENERGY POLICY Volume: 76 Pages: 76-86 Published: JAN 2015	4.14	5
Explaining the behavior of Romanian household electricity consumers on a changing market By: Maxim, Alexandru Edited by: Airinei, D; Pintilescu, C; Viorica, D; et al. Conference: 7th International Conference on Globalization of Higher Education in Economics and Business Administration (GEBA) Location: Alexandru Ioan Cuza Univ, Iasi, ROMANIA Date: OCT 24-26, 2013 GLOBALIZATION AND HIGHER EDUCATION IN ECONOMICS AND BUSINESS ADMINISTRATION - GEBA 2013 Book Series: Procedia Economics and Finance Volume: 20 Pages: 383-392 Published: 2015	-	1.25
INVESTIGATIONS ON THERMAL CONDUCTIVITY OF CARBON NANOTUBES REINFORCED COMPOSITES By: Vizureanu, P.; Cimpoesu, N.; Radu, V.; et al. EXPERIMENTAL HEAT TRANSFER Volume: 28 Issue: 1 Pages: 37-57 Published: 2015	1.522	3.75
General procedure for long-term energy-environmental planning for transportation sector of developing countries with limited data based on LEAP (long-range energy alternative planning) and EnergyPLAN By: Sadri, A.; Ardehali, M. M.; Amirnekooei, K. ENERGY Volume: 77 Special Issue: SI Pages: 831-843 Published: DEC 1 2014	4.52	5
Interval forecasting of electricity demand: A novel bivariate EMD-based support vector regression modeling framework By: Xiong, Tao; Bao, Yukun; Hu, Zhongyi INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS Volume: 63 Pages: 353-362 Published: DEC 2014	3.289	5
The impacts of energy prices and technological innovation on the fossil fuel-related electricity-growth nexus: An	0.28	1.25

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assessment of four net energy exporting countries By: Fei, Qin; Rasiah, Rajah; Leow, JiaShen JOURNAL OF ENERGY IN SOUTHERN AFRICA Volume: 25 Issue: 3 Pages: 46-60 Published: AUG 2014		
An optimized Nash nonlinear grey Bernoulli model based on particle swarm optimization and its application in prediction for the incidence of Hepatitis B in Xinjiang, China By: Zhang, Liping; Zheng, Yanling; Wang, Kai; et al. COMPUTERS IN BIOLOGY AND MEDICINE Volume: 49 Pages: 67-73 Published: JUN 1 2014	1.836	3.75
MANAGEMENT PERCEPTIONS OF RENEWABLE ENERGY USE AND EFFICIENT ENERGY CONSUMPTION: A CASE OF SLOVENIAN COMPANIES By: Milfelner, Borut; Mumel, Damijan; Korda, Aleksandra Pismanik ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 13 Issue: 3 Pages: 643-652 Published: MAR 2014	1.096	3.75
Novel effects of demand side management data on accuracy of electrical energy consumption modeling and long-term forecasting By: Ardakani, F. J.; Ardehali, M. M. ENERGY CONVERSION AND MANAGEMENT Volume: 78 Pages: 745-752 Published: FEB 2014	5.589	7.5
Long-term electrical energy consumption forecasting for developing and developed economies based on different optimized models and historical data types By: Ardakani, F. J.; Ardehali, M. M. ENERGY Volume: 65 Pages: 452-461 Published: FEB 1 2014	4.52	5
Scenario analysis of nonresidential natural gas consumption in Italy By: Bianco, Vincenzo; Scarpa, Federico; Tagliafico, Luca A. APPLIED ENERGY Volume: 113 Special Issue: SI Pages: 392-403 Published: JAN 2014	7.182	7.5
Quantifying the domestic electricity consumption for air-conditioning due to urban heat islands in hot arid regions By: Radhi, Hassan; Sharples, Stephen APPLIED ENERGY Volume: 112 Special Issue: SI Pages: 371-380 Published: DEC 2013	7.182	7.5
An integrated fuzzy mathematical model and principal component analysis algorithm for forecasting uncertain trends of electricity consumption By: Azadeh, A.; Saberi, M.; Gitiforouz, A. QUALITY & QUANTITY Volume: 47 Issue: 4 Pages: 2163-2176 Published: JUN 2013	1.094	3.75
Regional Electricity Consumption based on Least Squares Support Vector Machine By: Wang, Zongwu; Niu, Yantao Edited by: Wang, Y; Tan, L; Zhou, J Conference: 5th International Conference on Machine Vision (ICMV) - Algorithms, Pattern Recognition and Basic Technologies Location: Wuhan, PEOPLES R CHINA Date: OCT 20-21, 2012 Sponsor(s): Wuhan Univ; Huazhong Normal Univ; Aim Shams Univ; Sichuan Univ; Sci & Engrn Inst FIFTH INTERNATIONAL CONFERENCE ON MACHINE VISION (ICMV 2012): ALGORITHMS, PATTERN RECOGNITION AND BASIC TECHNOLOGIES Book Series: Proceedings of SPIE Volume: 8784 Article Number: 87840C Published: 2013	-	1.25
Long term energy demand projection and potential for energy savings of Croatian tourism-catering trade sector By: Irsag, Bojan; Puksec, Tomislav; Duic, Neven ENERGY Volume: 48 Issue: 1 Pages: 398-405 Published: DEC 2012	4.52	5
Integrated resource planning for Iran: Development of reference energy system, forecast, and long-term energy-environment plan By: Amirnekoeei, K.; Ardehali, M. M.; Sadri, A. ENERGY Volume: 46 Issue: 1 Pages: 374-385 Published: OCT 2012	4.52	5
ECONOMIC GROWTH AND ELECTRICITY CONSUMPTION IN EMERGING COUNTRIES OF EUROPA: AN ARDL ANALYSIS	0.241	1.25

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By: Bildirici, Melike Elif; Kayikci, Fazil EKONOMSKA ISTRAZIVANJA-ECONOMIC RESEARCH Volume: 25 Issue: 3 Pages: 538+ Published: SEP 2012				
A novel hybrid ensemble learning paradigm for nuclear energy consumption forecasting By: Tang, Ling; Yu, Lean; Wang, Shuai; et al. APPLIED ENERGY Volume: 93 Special Issue: SI Pages: 432-443 Published: MAY 2012	7.182			7.5
Energy models for demand forecasting-A review By: Suganthi, L.; Samuel, Anand A. RENEWABLE & SUSTAINABLE ENERGY REVIEWS Volume: 16 Issue: 2 Pages: 1223-1240 Published: FEB 2012	8.05			7.5
Embodied air emissions in Norway's construction sector: input-output analysis By: Huang, Lizhen; Bohne, Rolf Andre BUILDING RESEARCH AND INFORMATION Volume: 40 Issue: 5 Special Issue: SI Pages: 581-591 Published: 2012	3.136			5
Determinants of Electricity Consumption Intensity in China: Analysis of Cities at Subprovince and Prefecture Levels in 2009 By: Xia, X. H.; Hu, Yi SCIENTIFIC WORLD JOURNAL Article Number: 496341 Published: 2012	1.219			3.75
A Romanian energy system model and a nuclear reduction strategy By: Gota, Dan-Ioan; Lund, Henrik; Miclea, Liviu ENERGY Volume: 36 Issue: 11 Pages: 6413-6419 Published: NOV 2011	4.52			5
Grey forecasting model for CO2 emissions: A Taiwan study By: Lin, Chiun-Sin; Liou, Fen-May; Huang, Chih-Pin APPLIED ENERGY Volume: 88 Issue: 11 Pages: 3816-3820 Published: NOV 2011	7.182			7.5
Modeling and forecasting of Turkey's energy consumption using socio-economic and demographic variables By: Kankal, Murat; Akpınar, Adem; Komurcu, Murat Ihsan; et al. APPLIED ENERGY Volume: 88 Issue: 5 Pages: 1927-1939 Published: MAY 2011	7.182			7.5
ESTIMATING THE PRICE ELASTICITY OF DEMAND FOR ELECTRICITY BY SECTOR IN SOUTH AFRICA By: Inglesi-Lotz, Roula; Blignaut, James N. SOUTH AFRICAN JOURNAL OF ECONOMIC AND MANAGEMENT SCIENCES Volume: 14 Issue: 4 Pages: 449-465 Published: 2011	0.261			1.25
19. A STUDY ON ENERGY CONSUMPTION IN ROMANIA				
By: Minea, Alina Adriana				
ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 9 Issue: 4 Pages: 581-587 Published: APR 2010				
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CORRELATION BETWEEN GREEN ENERGY CADASTRE AND ENVIRONMENTAL MONITORING By: Bofu, C.; Craciun, I.; Giurma-Handley, C. R.; et al. JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY Volume: 15 Issue: 4 Pages: 1751-1758 Published: 2014	0.774			10p
CONSIDERATIONS CONCERNING GEOTHERMAL ENERGY STORAGE USING A HEAT ACCUMULATOR By: Giurma, I.; Craciun, I.; Giurma-Handley, C. R.; et al. JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY Volume: 15 Issue: 4 Pages: 1759-1766 Published: 2014	0.774			10p
20. Simulation of Heat Transfer Processes in an Unconventional Furnace				
By: Minea, A. A.				

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Fluid dynamics thermo-mechanical simulation of sintering: Uniformity of temperature and density distributions By: Maniere, Charles; Zahrah, Tony; Olevsky, Eugene A. APPLIED THERMAL ENGINEERING Volume: 123 Pages: 603-613 Published: AUG 2017	3.444	20		
INVESTIGATIONS ON THERMAL CONDUCTIVITY OF CARBON NANOTUBES REINFORCED COMPOSITES By: Vizureanu, P.; Cimpoesu, N.; Radu, V.; et al. EXPERIMENTAL HEAT TRANSFER Volume: 28 Issue: 1 Pages: 37-57 Published: 2015	1.522	15p		
The influence of jet gas temperature on the characteristics of steel coating obtained by wire arc spraying By: Toma, Stefan Lucian SURFACE & COATINGS TECHNOLOGY Volume: 220 Pages: 261-265 Published: APR 15 2013	2.589	20p		
The effect of frontal nozzle geometry and gas pressure on the steel coating properties obtained by wire arc spraying By: Toma, Stefan Lucian; Bejinariu, Costica; Baci, Raluca; et al. SURFACE & COATINGS TECHNOLOGY Volume: 220 Pages: 266-270 Published: APR 15 2013	2.589	20p		
21. An Experimental Method to Decrease Heating Time in a Commercial Furnace				
By: Minea, A. A.				
EXPERIMENTAL HEAT TRANSFER Volume: 23 Issue: 3 Pages: 175-184 Article Number: PII 923040011 Published: 2010				
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INVESTIGATIONS ON THERMAL CONDUCTIVITY OF CARBON NANOTUBES REINFORCED COMPOSITES By: Vizureanu, P.; Cimpoesu, N.; Radu, V.; et al. EXPERIMENTAL HEAT TRANSFER Volume: 28 Issue: 1 Pages: 37-57 Published: 2015	1.522	15p		
High breaking capacity fuses with improved cooling By: Plesca, Adrian INTERNATIONAL JOURNAL OF THERMAL SCIENCES Volume: 70 Pages: 144-153 Published: AUG 2013	3.615	20p		
The influence of jet gas temperature on the characteristics of steel coating obtained by wire arc spraying By: Toma, Stefan Lucian SURFACE & COATINGS TECHNOLOGY Volume: 220 Pages: 261-265 Published: APR 15 2013	2.589	20p		
The effect of frontal nozzle geometry and gas pressure on the steel coating properties obtained by wire arc spraying By: Toma, Stefan Lucian; Bejinariu, Costica; Baci, Raluca; et al. SURFACE & COATINGS TECHNOLOGY Volume: 220 Pages: 266-270 Published: APR 15 2013	2.589	20p		
Thermal analysis of a traction system with double conducting points in steady state conditions By: Plesca, Adrian ELECTRIC POWER SYSTEMS RESEARCH Volume: 97 Pages: 126-132 Published: APR 2013	2.688	20p		
Busbar heating during transient conditions By: Plesca, Adrian ELECTRIC POWER SYSTEMS RESEARCH Volume: 89 Pages: 31-37 Published: AUG 2012	2.688	20p		
22. EXPERIMENTAL TECHNIQUE FOR SAVING ENERGY IN OVAL FURNACES				
By: Minea, Alina Adriana				
ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 8 Issue: 3 Pages: 463-468 Published: MAY-JUN 2009				
3 citari				
STUDIES ON HEAT RECOVERY FROM CELLULOSIC TEXTILES FINISHING WASTEWATER By: Berariu, Razvan; Butnaru, Romen; Condurache, Gheorghe; et al. ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 12 Issue: 6 Pages: 1295-1300 Published: JUN 2013	1.096	15p		
RESEARCH ON SIZE AND LAYER UNIFORMITY OF THERMOCHEMICAL TREATMENT BY OUTFIT FURNACES WITH CONTROL PLANTS OF CARBON POTENTIAL AND CONTROLLED ATMOSPHERE	0.134	5p		

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By: Ionita, Gheorghe; Iliescu, Alexandru; Rizescu, Cristiana METALURGIA INTERNATIONAL Volume: 15 Issue: 3 Pages: 13-19 Published: MAR 2010				
CONSIDERATIONS REGARDING THE POSSIBILITY OF HEAT LOSSES REDUCING THROUGH FURNACES LINING IN ACCORDANCE WITH ACTUAL TRENDS OF REFRACTORY LINING STRUCTURE OPTIMIZATION By: Angelescu, Nicolae; de Aguiar, Jose Barroso; Surugiu, Gheorghe; et al. METALURGIA INTERNATIONAL Volume: 15 Issue: 12 Pages: 23-27 Published: 2010	0.134	5p		
23. STUDIES ON A COST-EFFICIENT TECHNIQUE FOR INCREASING FURNACES ENERGY EFFICIENCY. ENVIRONMENTAL ASPECTS				
By: Minea, Alina Adriana METALURGIA INTERNATIONAL Volume: 15 Issue: 10 Pages: 53-57 Published: 2009 1 citare				
RESEARCH ON SIZE AND LAYER UNIFORMITY OF THERMOCHEMICAL TREATMENT BY OUTFIT FURNACES WITH CONTROL PLANTS OF CARBON POTENTIAL AND CONTROLLED ATMOSPHERE By: Ionita, Gheorghe; Iliescu, Alexandru; Rizescu, Cristiana METALURGIA INTERNATIONAL Volume: 15 Issue: 3 Pages: 13-19 Published: MAR 2010	0.134	5p		
24. TECHNIQUES FOR INTENSIFYING HEAT TRANSFER: FROM BASICS TO NANOFUIDS				
By: Minea, Alina Adriana; Manca, Oronzio METALURGIA INTERNATIONAL Volume: 14 Issue: 12 Pages: 54-61 Published: 2009 4 citari				
Computational Analysis of Thermal Performance and Entropy Generation of Nanofluid Flow in Microchannels By: Li, Jie; Kleinstreuer, Clement; Feng, Yu Book Group Author(s): ASME Conference: 3rd ASME Micro/Nanoscale Heat and Mass Transfer International Conference (MNHMT2012) Location: Georgia Tech Global Learn Ctr, Atlanta, GA Date: MAR 03-06, 2012 Sponsor(s): ASME, Nanotechnol Inst; ASME, Heat Transfer Div; Georgia Inst Technol; Natl Sci Fdn; Off Naval Res PROCEEDINGS OF THE ASME MICRO/NANOSCALE HEAT AND MASS TRANSFER INTERNATIONAL CONFERENCE, 2012 Pages: 135-144 Published: 2012	-	2.5p		
CRYOGENIC STUDIES CONCERNING THE COMPOSITION AND MICROSTRUCTURE OF THE X200Cr12 LEDEBURITIC STEEL By: Baraian, Marius; Arghir, George; Petean, Ioan METALURGIA INTERNATIONAL Volume: 15 Issue: 3 Pages: 5-8 Published: MAR 2010	0.134	2.5p		
OPERATING CHARACTERIZATION OF PRODUCT SUPPORT BODY COUPLES-COATING AND SUPERFICIAL LAYER By: Butnariu, Ilie; Florescu, Danut METALURGIA INTERNATIONAL Volume: 15 Issue: 11 Pages: 82-86 Published: 2010	0.134	2.5p		
THERMAL TREATMENT OF GEAR SINTERING BY POWDER METAL STEELS By: Saracin, Ion; Pandia, Olimpia; Popescu, Taian; et al. METALURGIA INTERNATIONAL Volume: 15 Issue: 11 Pages: 91-93 Published: 2010	0.134	2.5p		
25. ACTIVE TECHNIQUES FOR IMPROVING HEAT TRANSFER				
By: Minea, Alina Adriana METALURGIA INTERNATIONAL Volume: 14 Issue: 7 Pages: 62-65 Published: 2009 4 citari				
STRUCTURAL ASPECTS OF THERMOMECHANICAL TREATMENTS OF A LOW ALLOYED CONSTRUCTION	0.134	5p		

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STEEL By: Cazacu, Mihaita; Giacomelli, Ioan; Stoicanescu, Maria; et al. METALURGIA INTERNATIONAL Volume: 18 Special Issue: 6 Pages: 47-50 Published: 2013				
THEORETIC AND EXPERIMENTAL STUDIES ON THE CASTING OF MANGANESE STEEL BALLS FOR THE ORE GRINDING MILLS By: Ruja, Ioan; Frunzaverde, Doina; Marta, Constantin; et al. METALURGIA INTERNATIONAL Volume: 15 Issue: 12 Pages: 13-18 Published: 2010	0.134	5p		
IMPROVEMENT OF MECHANICAL BEHAVIOUR OF SOME SUCKER RODS BY INDUCTION HEAT TREATMENT WITH LOW FREQUENCY CURRENTS By: Predescu, Mirela; Rami, Saban; Brandusa, Ghiban METALURGIA INTERNATIONAL Volume: 15 Issue: 11 Pages: 56-60 Published: 2010	0.134	5p		
MATHEMATICAL MODELS USED FOR COMPUTER SIMULATION FOR SOLIDIFICATION PROCESSES OF STEEL IN CHILL By: Butnariu, Ilie METALURGIA INTERNATIONAL Volume: 15 Issue: 11 Pages: 79-81 Published: 2010	0.134	5p		
26. Experimental and Theoretical Investigation of Stress Variation in AlCu4Mg1 Aluminum Alloy				
By: Minea, Alina-Adriana				
SURFACE ENGINEERING AND APPLIED ELECTROCHEMISTRY Volume: 44 Issue: 4 Pages: 335-338 Published: AUG 2008				
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LINEAR STRESS ANALYSIS ON THE CABIN'S FRAMEWORK OF A MOBILE EQUIPMENT By: Manescu, Tiberiu Stefan; Nedelcu, Dorian METALURGIA INTERNATIONAL Volume: 15 Issue: 3 Pages: 25-30 Published: MAR 2010	0.134	5p		
NEW METHOD OF MATERIAL SELECTION APLIED TO 3D STRUCTURED HARD TISSUE DESIGN - PART II By: Nocivin, Anna; Raducanu, Doina; Cinca, Ion; et al. METALURGIA INTERNATIONAL Volume: 15 Issue: 11 Pages: 18-23 Published: 2010	0.134	5p		
MODELLING AND SIMULATING BEHAVIOUR TO FATIGUE OF MATERIALS 35Mn16 AND 42MoCr11 USED FOR SUCKER RODS By: Predescu, Mirela; Iordache, Stefania; Ghiban, Brandusa; et al. METALURGIA INTERNATIONAL Volume: 15 Issue: 11 Pages: 61-65 Published: 2010	0.134	5p		
XRD STUDIES ON SUPERFICIAL LAYER OF STEEL SUBJECTED TO FATIGUE PROCESS By: Oancea, Constantin; Gheorghies, Constantin; Florea, Gheorghe; et al. METALURGIA INTERNATIONAL Volume: 15 Issue: 11 Pages: 66-68 Published: 2010	0.134	5p		
27. STUDIES ON HEAT TREATMENT OF AN AlCu(4)Mg(1) ALLOY				
By: Dima, Adrian; Minea, Alina Adriana				
ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 7 Issue: 4 Pages: 439-442 Published: JUL-AUG 2008				
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PROGRESS IN MANUFACTURING AND CHARACTERIZATION MGB(2) SUPERCONDUCTING WIRES By: Vasilescu, Marius; Alecu, Georgeta METALURGIA INTERNATIONAL Volume: 15 Issue: 3 Pages: 9-12 Published: MAR 2010	0.134	2.5p		
EXPERIMENTAL RESEARCHES FOR THE DETERMINATION OF THE ATC Si10Mg ALLOY FATIGUE LIFE, FUNCTION OF DIFFERENT THERMAL TREATMENT CYCLES By: Oajdea, Florentin Neculai; Dima, Margareta Iulia METALURGIA INTERNATIONAL Volume: 15 Special Issue: 2 Pages: 5-7 Published: 2010	0.134	2.5p		
EFFECTS OF LOW FREQUENCY MECHANICAL VIBRATION ON THE SOLIDIFICATION PROCESS OF ALLOYS By: Stefanescu, Florin; Neagu, Gigel; Mihai, Alexandrina	0.134	2.5p		

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METALURGIA INTERNATIONAL Volume: 15 Issue: 11 Pages: 24-29 Published: 2010				
28. Reducing oxide layer on AlCu2,5Mg treated parts through improving heat transfer By: Dima, Adrian; Minea, Alina Adriana METALURGIA INTERNATIONAL Volume: 13 Issue: 10 Pages: 5-8 Published: 2008 1 citare				
PROGRESS IN MANUFACTURING AND CHARACTERIZATION MGB(2) SUPERCONDUCTING WIRES By: Vasilescu, Marius; Alecu, Georgeta METALURGIA INTERNATIONAL Volume: 15 Issue: 3 Pages: 9-12 Published: MAR 2010	0.134	2.5p		
29. CFD Simulation in an oval furnace with variable radiation panels By: Minea, Alina Adriana; Dima, Adrian METALURGIA INTERNATIONAL Volume: 13 Issue: 10 Pages: 9-14 Published: 2008 2 citari				
ACOUSTIC QUALITY CONTROL SYSTEM FOR CERAMIC PRODUCTS By: Potecasu, Tiberiu; Drugescu, Elena; Potecasu, Octavian; et al. METALURGIA INTERNATIONAL Volume: 15 Issue: 11 Pages: 5-12 Published: 2010	0.134	2.5p		
MASS TRANSFER FOR TITAN AND TUNGSTEN ELECTRODE COATING USING IMPULSE DISCHARGE METHOD By: Vizureanu, Petrica; Perju, Manuela Cristina; Galusca, Dan-Gelu; et al. METALURGIA INTERNATIONAL Volume: 15 Issue: 12 Pages: 59-64 Published: 2010	0.134	2.5p		
30. SAVING ENERGY THROUGH IMPROVING CONVECTION IN A MUFFLE FURNACE By: Minea, Alina Adriana; Dima, Adrian THERMAL SCIENCE Volume: 12 Issue: 3 Pages: 121-125 Published: 2008 1 citare				
RESEARCH ON SIZE AND LAYER UNIFORMITY OF THERMOCHEMICAL TREATMENT BY OUTFIT FURNACES WITH CONTROL PLANTS OF CARBON POTENTIAL AND CONTROLLED ATMOSPHERE By: Ionita, Gheorghe; Iliescu, Alexandru; Rizescu, Cristiana METALURGIA INTERNATIONAL Volume: 15 Issue: 3 Pages: 13-19 Published: MAR 2010	0.134	2.5p		
31. Correlation between aluminium alloys plasticity and heat treating technology By: Minea, Alina-Adriana; Sandu, Ioan Gabriel MATERIALE PLASTICE Volume: 44 Issue: 4 Pages: 370-373 Published: 2007 4 citari				
Crystallite Size and Lattice Strain Evolution in a Nanostructured 6063-T1 Aluminum Alloy Processed by Equal Channel Angular Pressing By: Serban, Nicolae; Raducanu, Doina; Butu, Mihai; et al. MATERIALE PLASTICE Volume: 53 Issue: 1 Pages: 179-183 Published: MAR 2016	0.778	5p		
Researches Regarding the Influence of Chemical Composition on the Properties of AlxCrFeCoNi Alloys By: Stefanoiu, Radu; Geanta, Victor; Voiculescu, Ionelia; et al. REVISTA DE CHIMIE Volume: 65 Issue: 7 Pages: 819-821 Published: JUL 2014	1.232	7.5p		
Processing and Characterization of 10TiNiCr180 Tubes with Thin Walls by Drawing in Ultrasound Field By: Chirila, Elena; Susan, Mihai; Gavrilă, Bogdan-Lucian; et al. REVISTA DE CHIMIE Volume: 64 Issue: 5 Pages: 482-486 Published: MAY 2013	1.232	7.5p		
MOLLUSC SHELL/COLLAGEN COMPOSITE AS POTENTIAL BIOMATERIAL FOR BONE SUBSTITUTES	0.56	5p		

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By: Fikai, Maria; Andronescu, Ecaterina; Voicu, Georgeta; et al. REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS Volume: 40 Issue: 4 Pages: 359-364 Published: 2010				
32. Heat treating optimization on an AlCu2,5Mg aluminium alloy				
By: Minea, Alina-Adriana; Sandu, Ioan Gabriel				
REVISTA DE CHIMIE Volume: 57 Issue: 6 Pages: 586-589 Published: JUN 2006				
1 citare				
Researches Regarding the Influence of Chemical Composition on the Properties of AlxCrFeCoNi Alloys By: Stefanoiu, Radu; Geanta, Victor; Voiculescu, Ionelia; et al. REVISTA DE CHIMIE Volume: 65 Issue: 7 Pages: 819-821 Published: JUL 2014	1.232	5p		
A3.1.2 BDI				
1. Date identificare item, calcul punctaj 2.				
A3.2 Prezentări invitate în plenul unor manifestări științifice naționale și internaționale și Profesor invitat (exclusiv ERASMUS)				
A3.2.1 Internaționale				
1. Prezentare Scoala de vara "Composite Materials: from basic to nano" Portugalia: sept 2012: https://www.ubi.pt/Ficheiros/Noticias/FCEng/Summer%20School_Flyer_2a.pdf 2. Prezentare Scoala de vara "Composite Materials: from basic to nano" Portugalia: sept 2013: https://www.ubi.pt/Ficheiros/Noticias/FCEng/Summer%20School_flyer_2013.pdf 3. Prezentare Scoala de vara "Composite Materials: from basic to nano" Portugalia: sept 2014: https://www.ubi.pt/Ficheiros/Entidades/Universidade/Document_IP_PNBR_vs8.pdf 4. Prezentare in plen conferinta IMANE, Chisinau, mai 2014: http://www.imane.ro/conference-program/ , 5. Prezentare în plen TEHNOMUS Suceava 2013: http://www.tehnomus.usv.ro/ , 6. Invited speaker pentru Conference ISTP 26, Austria, 27.09 – 1.10 2015: http://www.istp26.at/en/1/ , 7. Invited speaker pentru INTERNATIONAL CONFERENCE ON MATERIAL SCIENCE & ENGINEERING, UgalMat 2016, MAY 19 - 21, 2016, GALATI, ROMANIA: http://www.ugalmat.ugal.ro/ , 8 Invited speaker pentru Conference ICMM 2016, Bulgaria, 26.09 2016: http://icmm2016.com/organizers/conference-committee/ , 9 Invited speaker pentru HTE Conference, Moscow, 2009: http://www.wseas.org/conferences/2009/russia/hte/Plenary3.htm , 10. Invited speaker la First International Conference on Energy Systems Engineering, (ICESE'17) 2017, Turcia, november 2017, http://icese17.com/22-2/				80
A3.2.2 Naționale				
1. Key speaker for TUIasi, First conference of Doctoral Schools, 29-30 mai 2017, Iasi, Romania				4
A3.2.3 Profesor invitat				
1. Date identificare item, calcul punctaj 2.				
A3.3 Membru în colectivele de redacție sau comitete științifice al revistelor și manifestărilor științifice, organizator de manifestări științifice/ Recenzor pentru				

Structura activității	Restricții Prof/Conf	Punctaj
reviste și manifestări științifice naționale și internaționale indexate ISI		
A3.3.1 ISI		
<p>Membru Editorial Board- pt reviste ISI: 3, 24p</p> <ul style="list-style-type: none"> - Membru in Regional Editorial Board Journal of Thermal Sciences: http://thermalscience.vinca.rs/Editorial - Membru Editorial Board Special Issue Hindawi: http://www.hindawi.com/journals/amp/si/538104/cfp/ - 1st International Conference on Computational and Experimental Mechanics, CEM 2013, Dubrovnik, Croatia: http://naun.org/cms.action?id=4215 <p>Membru Comitete internationale conferinte ISI: 20, 160p</p> <ul style="list-style-type: none"> - 10th IASME/WSEAS International Conference on FLUID MECHANICS & AERODYNAMICS (FMA '12), Istanbul, Turkey: http://www.wseas.org/cms.action?id=1362 - 10th IASME/WSEAS International Conference on HEAT TRANSFER, THERMAL ENGINEERING and ENVIRONMENT (HTE '12), Istanbul, Turkey: http://www.wseas.org/cms.action?id=901 - 5th WSEAS International Conference on Manufacturing Engineering, Quality and Production Systems (MEQAPS '12), Vienna, Austria: http://www.wseas.org/cms.action?id=1125 - 8th WSEAS International Conference on Applied and Theoretical Mechanics (MECHANICS '12), Montreux, Switzerland: http://www.wseas.org/cms.action?id=556 - 10th WSEAS International Conference on Environment, Ecosystems and Development (EED '12), Montreux, Switzerland: http://www.wseas.org/cms.action?id=627 - 7th IASME/WSEAS International Conference on WATER RESOURCES, HYDRAULICS & HYDROLOGY (WHH '12), Kos, Greece: http://www.wseas.org/cms.action?id=1759 - 5th WSEAS International Conference on FINITE DIFFERENCES - FINITE ELEMENTS - FINITE VOLUMES - BOUNDARY ELEMENTS (F-and-B '12) WSEAS Praga 2012: http://www.wseas.us/conferences/2012/prague/f-and-b/#committee - 3-rd European Conference of Mechanical engineering (ECME '12) Paris 2012: http://www.naun.org/wseas/cms.action?id=980 - 3rd European Conference of Control, Paris, France - ECC '12: http://www.naun.org/cms.action?id=399 - 11th WSEAS International Conference on Fluid Mechanics & Aerodynamics, FMA 2013, Vouliagmeni, Athens, Greece, http://www.wseas.org/cms.action?id=2498 - 11th WSEAS International Conference on Environment, Ecosystems and Development, EED 2013, Brasov, Romania: http://www.wseas.org/cms.action?id=3794 - 6th WSEAS International Conference on Manufacturing Engineering, Quality and Production Systems, Brasov, Romania - MEQAPS '13: http://www.wseas.org/cms.action?id=3694 - 7th WSEAS International Conference on CIRCUITS, SYSTEMS, SIGNAL and TELECOMMUNICATIONS, CSST 2013, Milan, Italy: http://www.wseas.org/cms.action?id=329 - 13th WSEAS International Conference on Multimedia Systems & Signal Processing, Kuala Lumpur - MUSP '13: http://www.wseas.org/cms.action?id=3356 - 9th WSEAS International Conference on Energy, Environment, Ecosystems and Sustainable Development Lemesos - EEESD '13: http://www.wseas.org/cms.action?id=3053 - 1st WSEAS International Conference on Industrial and Manufacturing Technologies Vouliagmeni - INMAT '13: http://www.wseas.org/cms.action?id=2611 - 1st WSEAS International Conference on Aeronautical and Mechanical Engineering, Vouliagmeni - AEME '13: http://www.wseas.org/cms.action?id=2645 - 11th WSEAS International Conference on Heat Transfer, Thermal Engineering and Environment Vouliagmeni - HTE '13: 		344

Structura activității	Restricții Prof/Conf	Punctaj
<p>http://www.wseas.org/cms.action?id=2543 - 1st WSEAS International Conference on Mechanical and Robotics Engineering Vouliagmeni - MREN '13: http://www.wseas.org/cms.action?id=2628 - 2nd International Conference on Networks and Systems for Communications, Education and Data Processing, Iwate - NSCED '13: http://naun.org/cms.action?id=2998</p> <p>Recenzor reviste si conferinte ISI: 32, 160p Applied Energy, Elsevier Applied Thermal Engineering Chemical Engineering Science, Elsevier COMMAT, Elsevier Current Nanoscience, Bentham EEMJ, Romania Energy, Elsevier Energy conversion and management, Elsevier Entropy, Elsevier Engineering Applications of Computational Fluid Mechanics , Elsevier Experimental Mechanics, Springer Heat and Mass Transfer, Springer IJOT, Elsevier International Journal of Heat and Mass Transfer, Elsevier Journal of Heat and Mass transfer, Springer Journal of Materials Processing Technology, Elsevier Journal of thermal analysis and calorimetrySpringer Journal of Cleaner Production, Elsevier Journal of Thermophysical Heat Transfer Heat Transfer Engineering, Taylor and Francis Metallurgical and Materials Transactions B Microfluidics and Nanofluidics, Springer Micromachines Molecular liquids, Elsevier Nanoscale research letters Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture Renewable and sustainable energy reviews, Elsevier Renewable Energy, Elsevier The International Journal of Advanced Manufacturing Technology, Springer Thermal Science, Croatia Thermochimica Acta, Elsevier WSEAS,</p>		

Structura activității	Restricții Prof/Conf	Punctaj
<p>A3.3.2 BDI</p> <p>Editor-in chief reviste BDI: 4, 40</p> <ul style="list-style-type: none"> - Guest Editor in chief at IREME – Special Issue on Heat Transfer 2010, 2011,2012, 2013:http://www.praiseworthyprize.com/special_issues.htm(SCOPUS) - Editor in chief International Journal of Metallurgical Engineering, http://www.sapub.org/journal/journalintroduction.aspx?journalid=1063 (Google Scholar) - Editor in chief IREHEAT: http://www.praiseworthyprize.com/ireheat.htm (Copernicus) - Editor in chief Nanofluids for Saving Energy: http://www.sciencepublishinggroup.com/specialissue/specialissueinfo.aspx?journalid=168&specialissueid=168001 (WorldCat), 2014 <p>Membru Editorial Board pt reviste BDI: 6, 30</p> <ul style="list-style-type: none"> - membru International Journal of Energy and Environment: http://www.naun.org/wseas/cms.action?id=3043 (INSPEC) - membru International Journal of Mechanics: http://www.naun.org/wseas/cms.action?id=2828 (SCOPUS) - Membru in Editorial Board International Scientific Press: Journal of Computations and Modelling, din 2010: http://www.scienpress.com/journals/jcm/jcm_editorial.html (PRO QUEST, DOAJ, Google Scholar) - Editorial Board Journal of Metallurgical Engineering: http://www.me-journal.org/EditorialBoard.aspx (EBSCO, WorldCat) - Editorial Board American Journal of Energy Engineering din 2013: http://www.sciencepublishinggroup.com/journal/editorialboard.aspx?journalid=168 (WorldCat) - Editor Sustainable and Renewable Energies and systems: http://www.sciencepublishinggroup.com/specialissue/specialissueinfo.aspx?specialissueid=239001&journalid=239 (WorldCat), 2014 <p>Recenzor reviste BDI: 2, 6 IREME, Praise Worthy Prize, Italia(SCOPUS) IREHEAT, Praise Worthy Prize, Italia(Copernicus)</p>		76
<p>A3.3.3 Naționale și internaționale neindexate</p> <p>Editor reviste: 4, 12p</p> <ul style="list-style-type: none"> - Editorial Board MEHTA Press: Journal of Engineering, din 2010: http://www.mehtapress.com/joe-editorial.html - Editorial Board International Journal of Advanced Thermofluid Research (IJATR): http://ijatr.org/index.php?option=com_content&view=article&id=19&Itemid=63 - Editorial Board British Journal of Engineering and Technology (BJET), din 2012: http://www.bjet.baar.org.uk/Editorial-Board.html - Editorial Board American Journal of Heat and Mass Transfer din 2013: http://ajhmt.uscip.us/EditorialBoard.aspx <p>Chairman si organizator manifestari stiintifice internationale: 14, 70p</p> <ul style="list-style-type: none"> - Organizator evenimente internaționale: 2010: Summer School on ADVANCES IN HEAT TRANSFER ENHANCEMENT: FROM BASIC TO NANO 2012: Summer School on ADVANCES IN HEAT TRANSFER ENHANCEMENT: FROM BASIC TO NANO, 2-nd edition 2014: Summer School on ADVANCES IN HEAT TRANSFER ENHANCEMENT: FROM BASIC TO NANO, 3-rd edition 2016: Summer School on ADVANCES IN HEAT TRANSFER ENHANCEMENT: FROM BASIC TO NANO, 4-th edition 		251

Structura activității	Restricții Prof/Conf	Punctaj
<p>- chairmen session U.2.4. HEAT AND MASS TRANSFER, Conference ASME-ATI-UIT: Thermal and Environmental Issues in Energy Systems 2010, may 2010, Sorrento, Italy: http://www.ichmt.org/asme-ati-uit-10/images//program.pdf</p> <p>- chairman session G: Mechanical Equipment Design and Analysis, Conference IManE 2013, 22-24 May 2013, Iasi, Romania: http://2013.imane.ro/conference-program/</p> <p>- chairman Section G: Mechanical and Manufacturing Equipment, Conference IManE 2014, 28-30 May 2014, Chisinau, Rep. Moldova: http://www.imane.ro/conference-program/</p> <p>- chairmen session M1.3. Single phase heat transfer, Conference ASME-ATI-UIT: Thermal Energy Systems: Production, Storage, Utilization and the Environment 2015, may 2015, Naples, Italy: http://www.asmeatiuit2015.com/public/index.php?node=63&nm=Conference+Program</p> <p>- chairmen session M1.4. Heat exchangers, Conference ASME-ATI-UIT: Thermal Energy Systems: Production, Storage, Utilization and the Environment 2015, may 2015, Naples, Italy: http://www.asmeatiuit2015.com/public/index.php?node=63&nm=Conference+Program</p> <p>- chairman session A2: Heat exchanger, Conference ISTEP26, september 2015, Leoben, Austria: http://www.istp26.at/media/Detailed_Program_neu_8.pdf</p> <p>- chairman session A3: Heat transport technology, Conference ISTEP26, september 2015, Leoben, Austria: http://www.istp26.at/media/Detailed_Program_neu_8.pdf</p> <p>- chairman session C6: Micro and nano scale transport, Conference ISTEP26, september 2015, Leoben, Austria: http://www.istp26.at/media/Detailed_Program_neu_8.pdf</p> <p>- chairman Session E: Physical & Mechanical Metallurgy. Materials, Conference ICMM 2016, Sofia, Bulgaria, http://icmm2016.com/conference/program/</p> <p>- chairman Conference of PHD School, Technical University “Gh. Asachi” Iasi</p> <p>Membru Comitet International conferinte: 51, 153p</p> <p>- SOLARIS 2011: http://www.fce.vutbr.cz/pst/solaris/committee.html</p> <p>- SUSTEM 2011: http://research.ncl.ac.uk/pro-tem/components/pdfs/SusTEM_proceedings/SusTEM2011_proceedings.pdf</p> <p>- 2013 Winter International Conference of Mining and Metallurgical Engineering (WICMME2013), December 2013, Sanya, China: http://www.wicmme.org/Organizing.aspx</p> <p>- 2nd International Conference on Applied Manufacturing, Commerce, Tourism and Services, Baltimore - MCTS '13: http://naun.org/cms.action?id=5244</p> <p>- 1st International Conference on Computational Science and Engineering, Valencia - CSE '13: http://naun.org/cms.action?id=5108</p> <p>- 4th International Conference on Fluid Mechanics and Heat & Mass Transfer, Dubrovnik - FLUIDSHEAT '13: http://naun.org/cms.action?id=4261</p> <p>- 4th International Conference on Theoretical and Applied Mechanics, Cambridge, USA - TAM '13: http://www.naun.org/cms.action?id=2199</p> <p>- 1st International Conference on Monitoring and Management of Air Pollution Rhodes - MMAP '13: http://naun.org/cms.action?id=4556</p> <p>- 2nd International Conference on Computational and Experimental Mechanics, Florence, 2013 http://naun.org/cms.action?id=8043</p> <p>- Conference IManE 2014, 27-30 May 2014, Chisinau, Moldavia: http://www.imane.ro/conference-committees/</p> <p>- 5th International Conference on Fluid Mechanics and Heat & Mass Transfer, Lisbon, http://naun.org/cms.action?id=7823</p> <p>- 2nd International Conference on Computational and Experimental Mechanics, Florence, CEM 2014, http://naun.org/cms.action?id=8043</p> <p>- 12th International Conference on Heat Transfer, Thermal Engineering and Environment, Geneva, THE 2014: http://wseas.org/cms.action?id=8446</p> <p>- 12th International Conference on Fluid Mechanics & Aerodynamics, Geneva, FMA 2014: http://www.wseas.org/cms.action?id=8427</p> <p>- International Conference on Computer and Systems Engineering Applications, CCSE 2014, 25-26 april Dubai: http://conferences.standard.org/dubai/ccse/com.html</p>		

Structura activității	Restricții Prof/Conf	Punctaj
<ul style="list-style-type: none"> - Conference IManE 2015, 21-22 May 2015, Iasi, Romania: http://www.imane.ro/conference-committees/ - International conference TEME 2015, Galati, Romania: http://www.teme.ugal.ro/committee.html - ISTP 26, Leoben, Austria: http://www.istp26.at/en/organizing-committee/ - SUSTEM 2015, Newcastle, UK: http://research.ncl.ac.uk/sustem/sustem2015conference/scientificcommittee/ - 2015 International Conference on Systems Engineering and Computational Advances, 29-30 may 2015, China: http://icseca.aconf.org/en-us/committee.html - HTE '15: 13th International Conference on Heat Transfer, Thermal Engineering and Environment, Salerno Italy, http://www.wseas.org/cms.action?id=9759 - FMA '15, 13th International Conference on Fluid Mechanics & Aerodynamics, Salerno, Italy, http://wseas.org/cms.action?id=9604 - Rome - CM '15, 9th International Conference on Continuum Mechanics, Italy, http://www.wseas.org/cms.action?id=10141 - Budapest - FLUIDS '15, 11th International Conference on Fluid Mechanics, http://wseas.org/cms.action?id=10586 - Budapest - HMT '15, 11th International Conference on Heat and Mass Transfer, http://www.wseas.org/cms.action?id=10600 - 2015 International Conference on Power, Energy Engineering and Management (PEEM2015) December 20-21, 2015, Phuket, Thailand: http://www.peem2015.org/com.htm - Budapest - EE '15, 10th International Conference on Energy & Environment http://www.wseas.org/cms.action?id=10628 - 7th international conference on fluid mechanics and heat & mass transfer, Praga, 2016: http://naun.org/cms.action?id=11302 - IMANE 2016, September 23-25, 2016 Kallithea Chalkidiki, Greece: http://www.imane.ro/conference-committees/ - 14th International Conference on Fluid Mechanics & Aerodynamics (FMA '16), Indonesia 2016: http://wseas.org/cms.action?id=11592 - 14th International Conference on Heat Transfer, Thermal Engineering and Environment (HTE '16), Indonesia: http://www.wseas.org/cms.action?id=11606 - 7 th edition of INTERNATIONAL CONFERENCE ON MATERIAL SCIENCE & ENGINEERING, UgalMat 2016, MAY 19 - 21, 2016, GALATI, ROMANIA: http://www.ugalmat.ugal.ro/ - IMEIA 2016 Phuket, Thailand, 24-25 aprilie 2016: http://www.imeia2016.org/pub.htm - ECTE 2016, Thailand 28-29 august, 2016: http://www.ecte2016.org/com.htm - The International Conference on Metallurgy & Materials (ICMM'16), Sofia, September 26 – 28, 2016: http://icmm2016.com/organizers/conference-committee/ - 11th European Conference on Industrial Furnaces and Boilers, Portugal, 18-21 April 2017: http://infub.pt/geral/paginas.aspx?cod=105 - The 7th International Symposium on Advances in Computational Heat Transfer, CHT-17, Napoli, Italy, during 28 May - 02 June 2017, http://ichmt.org/site/4/cht-17 - The 2017 International Conference on Advanced Technologies Enhancing Education (ICAT2E2017), which will be held on March 18-20, 2017 in Qingdao, China, https://icat2e.jimdo.com/ - The 21th edition of IManEE 2017 International Conference, May 25-26, 2017 Iasi, Romania: http://www.imane.ro/committees/ - TEME 2017: New trends in environmental and materials engineering, Galati, ROMANIA, 25-27 october: http://www.teme.ugal.ro/committee.php - European Symposium on Nanofluids (ESNf) Lisbon, Portugal, 8-10 October 2017, http://esnf2017.campus.ciencias.ulisboa.pt/committees/ - ICPM 2017: 9TH International congress on precision machining, 6 - 9 september 2017, Athens, Greece: http://www.icpm2017.gr/#committees - Venice - FLUIDSHEAT '17: 8th International Conference on Fluid Mechanics and Heat & Mass Transfer (FLUIDSHEAT '17), http://wseas.org/cms.action?id=14174 - TUIasi, First conference of Doctoral Schools, mai 2017, Iasi, Romania - INTERNATIONAL CONGRESS ON CHEMISTRY AND MATERIALS SCIENCE, 5 - 7 OCTOBER, 2017 / ANKARA – TURKEY: http://ancongress.com/main/c/20172/en 		

Structura activității	Restricții Prof/Conf	Punctaj
<p>- 2nd Renewable Energy Sources - Research and Business (RESRB) 2017 conference, June 19-21, Wrocław, Poland: https://works.bepress.com/wojciech_budzianowski/46/</p> <p>- International Conference on Energy Management and Environmental Protection, Belek, Antalya, Turkey in February 1-4, 2018: http://www.icemep.org/committees.html</p> <p>- First International Conference on Energy Systems Engineering, (ICESE'17) 2017, Turcia, november 2017, http://icese17.com/22-2/</p> <p>- 13th International Conference on Heat and Mass Transfer (HMT '17), in Rome 2017, 15-17 decembrie: http://wseas.org/cms.action?id=15615</p> <p>- 13th International Conference on Fluid Mechanics (FLUIDS '17), in Rome 2017, 15-17 decembrie, http://www.wseas.org/cms.action?id=15606</p> <p>Recenzor: 2, 4p carte CRC Taylor and Francis Mehta Press</p> <p>Reviewer conferințe: 6, 12p -BMIC 2008 - KGCM 2008 - IMECE 2009 - IMETI 2009 - ICEME 2010 - ICSIT 2010</p>		
A3.4 Expert evaluare proiecte de cercetare		
A3.4.1 Internationale		
Evaluator HORIZON 2020: 2014: 28 2015: 14 2017:6 Evaluator Eurostar: 2017: 4 Evaluator NCRB Polonia 2017: 9		610
A3.4.2 Nationale		
- evaluator CNCSIS: 2004, 2007(4), 2008 (15), 2010(4) - evaluator MCT excelenta: 2005 - evaluator CNMP: 2007 (9) - evaluator AMCSIT: 2007 (10) - evaluator ANCS: 2009(5), 2011(7), 2013 (8) - evaluator UEFISCDI: 2017 (41) evaluator UPB+UPT: 2017 (5)		108
A3.5 Premii		
A3.5.1 Academia Romana		
1. Date identificare item, calcul punctaj 2.		

Structura activității	Restricții Prof/Conf	Punctaj
A3.5.2 ASAS, AOSR, academii de ramura și CNCSIS		
A3.5.3 Premii internaționale		
<p>- anul 2008:</p> <ul style="list-style-type: none"> - Medalia de argint la Salonul Archimed 2008, Moscova, Rusia, 1.04-4.04.2008 pentru invenția: Procedure for Heat transfer efficiency in classical electrical furnaces used for medium temperature heat treatment. - Medalia de aur la Salonul Internațional de la Sevastopol 2008 25-27 aug 2008, pentru invenția: Procedure for Heat transfer efficiency in classical electrical furnaces used for medium temperature heat treatment - Diploma de excelență și Medalia de argint la Salonul Internațional de la Sevastopol 2008 24-28 sept 2008, pentru invenția: Procedure for Heat transfer efficiency in classical electrical furnaces used for medium temperature heat treatment - Diploma de excelență și Medalia TESLA la Festivalul Internațional de Inovare, cunoaștere și creație de la Novi Sad, 2008 oct 2008, pentru invenția: Procedure for Heat transfer efficiency in classical electrical furnaces used for medium temperature heat treatment: - Diploma de excelență pentru contribuția la stimularea și promovarea creativității și Medalia de bronz la Salon des innovations, des recherche et des nouvelles technologies BRUSSELS EUREKA 13 nov 2008, Banja Luka Bruxelles pentru invenția: Procedure for Heat transfer efficiency in classical electrical furnaces used for medium temperature heat treatment: <p>- anul 2009:</p> <ul style="list-style-type: none"> - Diploma de excelență și medalie de bronz la Expoziția Internațională INFOINVENT 24-27 nov 2009, Chișinău, Rep. Moldova, pentru invenția: Procedure for Heat transfer efficiency in classical electrical furnaces used for medium temperature heat treatment: <p>- anul 2010:</p> <ul style="list-style-type: none"> - Medalie de aur la Salonul Internațional de invenție “International salon of Inventions and new technologies NEW TIME”, Sevastopol, Ucraina (23-25 sept. 2010) pentru invenția: “Procedure for heat transfer enhancement in oval electrical furnaces used for medium temperature heat treatment”. <p>- anul 2013</p> <ul style="list-style-type: none"> - BEST REVIEWER for 2012, Journal Applied Energy, ELSEVIER <p>- anul 2016</p> <ul style="list-style-type: none"> - BEST REVIEWER for 2016, Journal Applied Energy, ELSEVIER 		90
A3.5.4 Premii naționale în domeniu		
<p>-anul 1989:</p> <p>Mențiune la Seminarul Științific Studentesc cu tema “ Chimia – fundament al științei materialelor”</p> <p>- anul 2008:</p> <ul style="list-style-type: none"> - Diploma de excelență și Medalia de Aur la Salonul Internațional de Invenție PRO INVENT ediția a VI-a 2008, Cluj Napoca pentru invenția: Procedure for Heat transfer efficiency in classical electrical furnaces used for medium temperature heat treatment. - Diploma de excelență și Medalia de bronz INVENTICA 2008 la Salonul Internațional jubiliar al cercetării, invențiilor și transferului tehnologic INVENTICA 2008 14-24 mai 2008, Iași pentru invenția: Procedure for Heat transfer efficiency in classical electrical furnaces used for medium temperature heat treatment. - Diploma de excelență și Medalia de bronz INVENTIKA 2008 la Salonul Internațional jubiliar al cercetării, invențiilor și transferului tehnologic INVENTIKA 2008 7-11 oct 2008, București pentru invenția: Procedure for Heat transfer efficiency in classical electrical furnaces used for medium temperature heat treatment: http://www.mct.ro/index.php?action=viewart&artid=1885&idcat=641 <p>- anul 2009:</p> <ul style="list-style-type: none"> - Medalie de aur la Expoziția Internațională de invenții, cercetare științifică și tehnologii noi, INVENTIKA 28-31 oct 2009, București, România, pentru 		35

Verificare condiții minime naționale:

Criteria din FV	Condiții minime pentru ocuparea postului de profesor	Contribuții candidat	Gradul de îndeplinire criteriu
A1. Activitatea didactică și profesională			
A1.2.1 Manuale didactice/ Monografii	min. 2, din care 1 prim autor	11, din care 5 ca prim autor	criteriu îndeplinit
A2. Activitatea de cercetare			criteriu îndeplinit
A2.1 Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI proceedings	min. 15 articole din care min 10 în reviste ISI din care minim 5 cu FI>1 și min 5 ca prim autor cu factor de impact > 0.5	42 articole în reviste ISI din care minim 34 cu FI>1 și 33 ca prim autor cu factor de impact > 0.5	criteriu îndeplinit
A2.4 Granturi/proiecte câștigate prin competiție			criteriu îndeplinit
A2.4.1 Director/responsabil	min 2 pentru profesor, din care cel puțin 1 ca director	7 contracte naționale și internaționale ca director/responsabil partener	criteriu îndeplinit
A3. Recunoașterea și impactul activității			criteriu îndeplinit
A3.1 Citări în reviste ISI și BDI	minim 30 citări pentru profesor	264 citări, excluzând autocitările, în baza de date ISI	criteriu îndeplinit

FIȘA DE VERIFICARE
a îndeplinirii standardelor universității de prezentare la concurs pentru postul de
profesor universitar

Candidat: prof.univ.habil.dr.ing. Alina Adriana MINEA / Data nașterii: 15 iunie 1971. Funcția actuală: profesor, Data numirii în funcția actuală: 2014. Instituția: UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI.

1. Studiile universitare de licență

Nr. crt.	Instituția de învățământ superior și facultatea absolvită – anul absolvirii	D o m e n i u l / programul de studii (specializarea)	Titlul acordat	Media de școlaritate (min.8.00)	Media examenului de finalizare (min.9.00)
	Universitatea Tehnică "Gheorghe Asachi" din Iași Facultatea de Știința și Ingineria Materialelor – anul 1994	profilul metalurgic specializarea Deformări plastice și Tratamente Termice	inginer	9.88	10

2. Studiile universitare de master

Nr. crt.	Instituția de învățământ superior și facultatea absolvită – anul absolvirii	D o m e n i u l / programul de studii (specializarea)	Media de școlaritate (min.9.00)	Media examenului de finalizare (min.9.00)
	Universitatea Tehnică "Gheorghe Asachi" din Iași Facultatea de Știința și Ingineria Materialelor – anul 1994	profilul metalurgie specializarea Ingineria suprafețelor și modificarea structurii aliajelor	10	10
	Universitatea Tehnică "Gheorghe Asachi" din Iași Facultatea de Știința și Ingineria Materialelor – anul 1994	specializarea Securitate și Sănătate în Muncă	9.96	10

3. Studiile de doctorat

Nr. crt.	Instituția organizatoare de doctorat	D o m e n i u l	Perioada	Titlul științific acordat
	Universitatea Tehnică "Gheorghe	<i>Știința și Ingineria Materialelor</i>	1995 - 2000	<i>doctor</i>

1	Asachi" din Iași			
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3. Studii și burse postdoctorale (stagii de cel puțin 6 luni)

Nr. crt.	Țara / Instituția	Domeniul/ Specializarea	Perioada	Tipul de bursă

4. Grade didactice/profesionale

Nr. crt.	Instituția	Domeniul	Perioada	Titlul/postul didactic sau gradul/postul profesional
1	Universitatea Tehnică "Gheorghe Asachi" din Iași	<i>Știința și Ingineria Materialelor</i>	1998 - 2000	<i>asistent universitar</i>
2	Universitatea Tehnică "Gheorghe Asachi" din Iași	<i>Știința și Ingineria Materialelor</i>	2000-2004	<i>șef de lucrări</i>
3	Universitatea Tehnică "Gheorghe Asachi" din Iași	<i>Știința și Ingineria Materialelor</i>	2004 - 2014	<i>conferențiar</i>
4	Universitatea Tehnică "Gheorghe Asachi" din Iași	<i>Ingineria Materialelor</i>	2013 - prezent	<i>abilitare (conducere de doctorat din 6.01.2014)</i>
5	Universitatea Tehnică "Gheorghe Asachi" din Iași	<i>Ingineria Materialelor</i>	2014-prezent	<i>profesor</i>

Tabelul 1. Standardul minimal al universității SMU.PROF.1 – Activitatea didactică

Standardul minimal al universității SMU.PROF.1 – Activitatea didactică	Indicatori de performanță		Realizări	Punctaj	Număr impus de realizări	Număr de realizări ale candidatului	Număr puncte
	Ca	Carte/ curs/ manual publicată în străinătate					
Valoarea contribuțiilor la	Ca	Carte/ curs/ manual publicată în străinătate	A. A. Minea <i>Engineering heat and mass transfer</i> , 210 pag, (42 rd/pag) Ed. Praise Worthy Praise, Italy, ISBN 978-88-96329-01-6, 2009	8	-	8	27.38

dezvoltarea activităților didactice/ profesionale, cu referire distinctă la realizările după acordarea ultimului titlu didactic/grad profesional prin cărți publicate în edituri recunoscute, capitole teoretice redactate, sisteme de laborator funcționale, metode de lucru avansate aplicate etc. - după caz.		Capitol carte/ curs/ manual publicat în străinătate		6	-			
		Carte/ curs/ manual publicată în editură recunoscută CNCS (unic/ prim autor sau co-autor)	Ca2 A. A. Minea, Tehnici de simulare a proceselor termogazodinamice -277 pag. (44rd/pag), Ed. Matrix Rom București, ISBN 978-973-755-603-5, 2010 Ca3 A. A. Minea, Transfer de căldură și masă- notițe de curs și aplicații -262 pag. (28rd/pag), Ed. Pim, Iași, ISBN 606-520-835-3, 2010 Ca4 A. A. Minea, Transfer de căldură și masă -103 pg.(30rd/pag), Ed. Cermei, Iași, ISBN 978-973-667-220-0, 2007 Ca5 A. A. Minea, A.Dima, Transfer de masă și energie - 293 pag.(30rd/pag), Ed.Tehnica, Științifică și didactică Cermei, Iași, ISBN 973-667-115-1, 2005 Ca6 A. A. Minea, Transfer de căldură și instalații termice - 231 pag.(30rd/pag), Ed.Tehnică, Științifică și didactică Cermei, Iași, ISBN 973-8188-63-6, 2003	5	1	5	56.8	
		Capitol curs/ manual publicat în editură recunoscută CNCS		3	-			
	I	Îndrumar/ culegere de probleme (publicat sau disponibil pe Web)	11 A. A. Minea, Simularea proceselor termogazodinamice, lucrări practice-183 pag.(30rd/pag), http://www12.tuiasi.ro/users/112/Laborator%20TSPT.pdf ; Iasi, 2015 12 A. A. Minea, Cuptoare și instalații de încălzire, Îndrumar de proiectare-89 pag.(28rd/pag) , Ed. Cermei, Iași, ISBN 978-973-667-219-4, 2007 13 A. A. Minea, Transfer de masă și energie. Aplicații în știința și ingineria materialelor - 154 pag.(30rd/pag), Ed.Tehnopres, Iași, ISBN 973-8048-21-4, 2006 14 A. Dima, A. A. Minea, Cuptoare și instalații de încălzire – Particularități constructiv-funcționale – 229 pag.(30rd/pag), Ed. Cermei, Iași, ISBN 973-667-114-3, 2005 15 A. Florescu, I. Malureanu, R. Comaneci, R. Danila, V. Moldovan, C. Bejinariu, O. Calancia, D. Gheorghiu, A. A. Minea, Știința și tehnologia materialelor - îndrumar pentru lucrări de laborator–155pag.(37rd/pag), Rotaprint, Iași, 2000 16 A. Dima, R. Popescu, P. Vizureanu, A. A. Minea, Cuptoare și instalații de încălzire, vol. 2 – Elemente de proiectare asistată de calculator a cuptoarelor cu combustie – 183 pag.(29rd/pag), Ed. Sedcom Libris, Iași, ISBN 973-9818714, 1997	4	1	6	24	
	D	Sisteme de laborator funcționale (numai pentru disciplinele prevăzute cu lucrări	Amenajare lucrare nouă de laborator cu instalație experimentală	D20 Studiul proceselor de transfer de căldură și masă în pat fluidizat – lucrare nouă de laborator pentru disciplina Termotehnică I (experimentală) D21 Studiul pierderilor de căldură prin deschideri și neetanșeități– lucrare nouă de laborator pentru disciplina Echipamente și instalații de încălzire (experimentală) D22 Controlul temperaturii echipamentelor de încălzire – lucrare nouă de laborator pentru disciplina Echipamente și instalații de încălzire (experimentală)	2	2	3	15
			Amenajare/ concepere lucrare nouă de laborator/ proiect/ simulare pe calculator/	D14 Simularea proceselor de încălzire – lucrare nouă de laborator pentru disciplina Echipamente și instalații de încălzire (simulare) D15 Simularea curgerii laminare în conducte – lucrare nouă de laborator pentru disciplina Termotehnică I (simulare)	1.5		6	

		de laborator)	studiu de caz	<p>D16 Simularea curgerii turbulente în conducte – lucrare nouă de laborator pentru disciplina Tehnici de simulare a proceselor termogazodinamice (simulare)</p> <p>D17 Simularea curgerii unui fluid printr-o regiune cu diafragmă – lucrare nouă de laborator pentru disciplina Tehnici de simulare a proceselor termogazodinamice (simulare)</p> <p>D18 Simularea amestecului unor fluide într-o incintă cu cot – lucrare nouă de laborator pentru disciplina Tehnici de simulare a proceselor termogazodinamice (simulare)</p> <p>D19 Simularea proceselor de convecție forțată și transfer de căldură într-o incintă – lucrare nouă de laborator pentru disciplina Termotehnică I (simulare)</p>				
			Contribuție la dotarea laboratoarelor, în valoare echivalentă cu 700 Euro	<p>D1 Contribuție la dotarea laboratorului de Analiză Termică, pentru disciplina Transfer de masă și energie, din contract IDEI 81/01.10.2007, cu echipamente de cercetare-dezvoltare (F.F. nr. 418/08.12.2009), Director de proiect Minea A.A., valoare 4551.75 lei (1€ = 3.5420 lei)</p> <p>D2 Contribuție la dotarea laboratorului de Analiză Termică, pentru disciplina Transfer de masă și energie, din contract IDEI 81/01.10.2007, cu echipamente de cercetare-dezvoltare (F.F. nr. 62/26.01.2009), Director de proiect Minea A.A., valoare 5107.12 lei (1€ = 3.5420 lei)</p> <p>D3 Contribuție la dotarea laboratorului de Analiză Termică, pentru disciplina Echipamente și instalații de încălzire, din contract IDEI 81/01.10.2007, cu echipamente de cercetare-dezvoltare (F.F. nr. 5256844/13.08.2008), Director de proiect Minea A.A., valoare 15284.78 lei (1€ = 3.5420 lei)</p> <p>D4 Contribuție la dotarea laboratorului de Analiză Termică, pentru disciplina Echipamente și instalații de încălzire, din contract IDEI 81/01.10.2007, cu echipamente de cercetare-dezvoltare (F.F. nr. 21894/14.03.2008), Director de proiect Minea A.A., valoare 6533.10 lei (1€ = 3.5420 lei)</p> <p>D5 Contribuție la dotarea laboratorului de Analiză Termică, pentru disciplina Transfer de masă și energie, din contract IDEI 81/01.10.2007, cu echipamente de cercetare-dezvoltare (F.F. nr. 6471/05.05.2008), Director de proiect Minea A.A., valoare 4342.71 lei (1€ = 3.5420 lei)</p> <p>D6 Contribuție la dotarea laboratorului de Analiză Termică, pentru disciplina Echipamente și instalații de încălzire, din contract IDEI 81/01.10.2007, cu echipamente de cercetare-dezvoltare (F.F. nr. 9200182 / 04.06.2008), Director de proiect Minea A.A., valoare 20205.67 lei (1€ = 3.6284 lei)</p> <p>D7 Contribuție la dotarea laboratorului de Analiză Termică, pentru disciplina Termotehnică I, din contract IDEI 81/01.10.2007, cu echipamente de cercetare-dezvoltare (F.F. nr. 04647193/3.12.2007), Director de proiect Minea A.A., valoare 48977.45 lei (1€ = 3.5078 lei)</p> <p>D8 Contribuție la dotarea laboratorului de Analiză Termică, pentru disciplina Transfer de masă și energie, din contract MCT Excelenta ET 5882/2006, cu echipamente de cercetare-dezvoltare (F.F. nr. 0183655/12.06.2007), Director de proiect Minea A.A., valoare 18980.83 lei (1€ = 3.2606 lei)</p> <p>D9 Contribuție la dotarea laboratorului de Analiză Termică, pentru disciplina Echipamente și instalații de încălzire, din contract MCT Excelenta ET 5882/2006, cu echipamente de cercetare-dezvoltare (F.F. nr. 0183277/28.03.2007), Director de proiect Minea A.A., valoare 8963.32 lei (1€ = 3.3675 lei)</p>	1	-	13	71.29

			<p>D10 Contribuție la dotarea laboratorului de Analiză Termică, pentru disciplina Termotehnică I, din contract MCT Excelenta ET 5882/2006, cu echipamente de cercetare-dezvoltare (F.F. nr. 0183276/28.03.2007), Director de proiect Minea A.A., valoare 3247.15 lei (1€ = 3.3675 lei)</p> <p>D11 Contribuție la dotarea laboratorului de Analiză Termică, pentru disciplina Termotehnică I, din contract MCT Excelenta ET 5882/2006, cu echipamente de cercetare-dezvoltare (F.F. nr. 0183275/28.03.2007), Director de proiect Minea A.A., valoare 14649.78 lei (1€ = 3.3675 lei)</p> <p>D12 Contribuție la dotarea laboratorului de Analiză Termică, pentru disciplina Termotehnică I, din contract MCT Excelenta ET 5882/2006, cu echipamente de cercetare-dezvoltare (F.F. nr. 5256262/3.11.2006), Director de proiect Minea A.A., valoare 7765.56 lei (1€ = 3.5193 lei)</p> <p>D13 Contribuție la dotarea laboratorului de Analiză Termică, pentru disciplina Echipamente și instalații de încălzire, din contract CNCȘIS tip AT, nr.63Gr/2006, cu echipamente de cercetare-dezvoltare (F.F. nr.5256235/31.10.2006), Director de proiect Minea A.A., valoare 14976.07 lei (1€ = 3.5211 lei)</p>				
	W	Utilizarea sistemelor de predare/ învățare/ evaluare de tip e-learning/ online/ multimedia etc.	<p>Suport de studiu/ autoinstruire pe Web pentru seminar, laborator, proiect (integral pentru o disciplină)</p> <p>Suport de prezentare/ instruire text/ video/ audio/ ppt a disciplinei</p>		1		
			<p>W1 Suport de prezentare ppt a disciplinei Tehnici de simulare a proceselor termogazodinamice</p> <p>W2 Suport de prezentare ppt a disciplinei RITM</p> <p>W3 Suport de prezentare ppt a disciplinei Sisteme de management integrat</p> <p>W4 Suport de prezentare ppt pentru disciplina Echipamente și instalații de încălzire</p> <p>W5 Suport de prezentare ppt pentru disciplina Transfer de masă și energie, în limba engleză</p>		1	1	5 5.2
Total puncte SMU.PROF.1 (min. 24)							199.67

Observație: criteriile minimale sunt îndeplinite, la fel și punctajul minim.