

**FIȘA DE VERIFICARE**  
**a îndeplinirii standardelor minime naționale de prezentare la concurs pentru postul de**  
**profesor universitar**

Candidat: OLARIU MARIUS ANDREI Data nașterii: 06/05/1979 Funcția actuală: Conferențiar universitar, Instituția: Universitatea Tehnică "Gheorghe Asachi" din Iași

Nr. crt.	Domeniul de activitate	Condiții minime profesor	Punctaj obținut
1	Activitatea didactică / profesională (A1)	Minimum 120	<b>144,71</b>
2	Activitatea de cercetare (A2)	Minimum 360	<b>720,72</b>
3	Recunoașterea și impactul activității (A3)	Minimum 120	<b>292,08</b>
<b>TOTAL (puncte)</b>		<b>600</b>	<b>1157,51</b>

Nr. crt.	Domeniul activităților	Tipul activităților	Categorii și restricții	Subcategorii	Indicatori (kpi)
0	1	2	3	4	5
1	Activitatea didactică și profesională ( A 1 )	1.1 Cărți și capitole în cărți de specialitate	1.1.1 Cărți cu ISBN / capitole ca autor didactice sau monografii, pentru profesor / CS I: minimum 4	1.1.1.1 Internaționale	nr. pagini / (2 * nr. autori)
				1. <b>Marius Andrei Olariu</b> , Materials for Electrical Engineering, Lambert Academic Publishing, Germany, ISBN 978-3-659-87805-3, 2016	94 / (2 * 1) = 47
				2. Adelina-Carmen Ianculescu, Daniela C. Berger, Catalina A. Vasilescu, <b>Marius Olariu</b> , Bogdan S. Vasile, Lavinia P. Curecheriu, Andreja Gajović and Roxana Trușcă, Incorporation mechanism and functional properties of Ce-doped BaTiO3 ceramics derived from nanopowders prepared by the modified-Pechini method, in Nanoscale ferroelectrics and multiferroics, Wiley, eds.Miguel Algueró, Marty Gregg & Liliana Mitoseriu, ISBN: 978-1-118-93575-0	32 / (2 * 8) = 2
				3. <b>Marius Andrei Olariu</b> , Fabrication of Flexible Screen-Printed Dielectrophoretic Devices, ISBN 978-613-9-45090-9, Lambert Academic Publishing, 2019	96/(2*1)=48
				1.1.1.2 Naționale	nr. pagini / (5 * nr. autori)
				1. <b>Marius Andrei Olariu</b> , Romeo Cristian Ciobanu, Sebastian Teodor Arădoaei, CERCETĂRI PRIVIND ASIGURAREA CALITĂȚII MICRO- ȘI NANOMATERIALELOR PE BAZA ANALIZEI SARCINII ELECTRICE SPAȚIALE, ISBN 978-606-520-675-5, Editura PIM (2009).	124/(5*3)=8,26
				2. Sebastian Teodor Arădoaei, Romeo Cristian Ciobanu, <b>Marius Andrei Olariu</b> , Gabriela Constantinescu, CERCETĂRI PRIVIND ANALIZA CALITĂȚII MATERIALELOR ELECTROIZOLANTE PRIN METODA SPECTROSCOPIEI DIELECTRICE, ISBN 978-606-520-674-8, Editura PIM Iasi (2009).	193/(5*4)=9,65
		1.2 Suport didactic	1.2.1 Suport de curs inclusiv electronic , pentru profesor / CS I: minimum 2		nr. pagini / (10 * nr. autori)
				1. <b>Marius Andrei Olariu</b> , Materiale pentru inginerie electrică - Curs, 2016, Editura PIM, ISBN 978-606-13-3539-8, 107 pagini	107 / (10 * 1) = 10,7
				2. <b>Marius Andrei Olariu</b> , Etica tehnică și a afacerilor- Note de curs, 2019, 110 pagini (publicat și în format electronic), ISBN: 978-606-13-5397-2, Editura PIM	110/(10*1)=11
			1.2.2 Îndrumare		nr. pagini / (20 * nr. autori)

			de laborator / aplicații, pentru profesor / CSI: minimum 2	1. <b>Marius Andrei Olariu</b> , Indrumar de laborator pentru Materiale pentru inginerie electrica, ISBN 978-606-13-3005-8, 107 pagini, 2016.	107 / (20 * 1) = <b>5,35</b>
				2. Marinel Costel Temneanu, <b>Marius Andrei Olariu</b> , Indrumar de laborator pentru Materiale pentru inginerie electrica – partea II, 110 pagini, 2019 (suport dicatic), ISBN: 978-606-13-5396-5, Editura PIM	110 / (20 * 2) = <b>2,75</b>
<b>Total activitate didactică și profesională (A1)</b>					<b>=144.71</b>
<b>2</b>	<b>Activitatea de cercetare (A2)</b>	<b>2.1 Articole in extenso în reviste cotate WSO Thomson Reuters, în volume procedin gs indexate I WSO Thomson Reuters și brevete de invenție WOS_Der went</b>	Minimum 10, pentru profesor / CS I: minimum 10 articole din care 4 ca prim autor și minimum 4 în reviste		<b>(25 + 20 * factor impact) / nr. de autori</b>
				1. Mirela Airimioaei, Vlad A.Lukacs, Isabelle Lisiecki, Patricia Beaunier, Juliette Blanchard, Doina Lutic, Sorin Tascue, Petronel Postolache, Cristina E.Ciomaga, <b>Marius Olariu</b> , Liliana Mitoseriu, Biomorphc tubular nickel oxide structures: Effect of the synthesis parameters on their structural and functional properties, surface-related applications, Journal of Alloys and Compounds, <a href="https://doi.org/10.1016/j.jallcom.2019.152543">https://doi.org/10.1016/j.jallcom.2019.152543</a> , 2019 (apare în volumul 816, Martie 2020), IF=4.175	-
				2. <b>(Prim autor 1) Olariu, M.</b> , Arcire, A. & Plonska-Brzezinska, M.E., Controlled Trapping of Onion-Like Carbon (OLC) via Dielectrophoresis, Journal of Electronic Materials (2016). doi:10.1007/s11664-016-4870-1, IF=1,579 <b>Accession Number: WOS:000391126900055</b>	18.86
				3. <b>(Prim autor 2) Olariu, M. A.</b> ; Hamciuc, C.; Neacsu, O. M.; et al., MICROWAVE DIELECTRIC PROPERTIES OF POLYIMIDE COMPOSITES BASED ON TiO2 NANOTUBES AND CARBON NANOTUBES, DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES Volume: 14 Issue: 1 Pages: 37-44, IF=0,673 <b>Accession Number: WOS:000463356800006</b>	7.692
				4. <b>(Prim autor 3) Olariu, M.</b> ; Arcire, A., Electrostimulated Desorption Hydrogen Sensor Based on Onion-Like Carbons as a Sensing Element, Journal of Electronic Materials, Volume: 47, Issue: 11, Pages: 6476-6483, NOV 2018, IF=1,579 <b>Accession Number: WOS:000445474800017</b>	28.29
				5. <b>(Prim autor 4) M. A. Olariu</b> , Corneliu Hamciuc, Lidia Okrasa, Elena Hamciuc, Lubomir Dimitrov, Yuri Kalvachev, Electrical properties of polyimide composite films containing TiO2 nanotubes, 2015, DOI: 10.1002/pc.23851, IF=2,004 <b>Accession Number: WOS:000415812000027</b>	10.846

			<p>6. <b>(Prim autor 5) Olariu, M.A.</b>, Ciobanu, R.C., Ursache, S., Aradoaei, S., Experimental regarding the evolution of space charge in polyolefins insulation, Annual Report - Conference on Electrical Insulation and Dielectric Phenomena, CEIDP, 14 October 2007 through 19 October 2007; DOI: 10.1109/CEIDP.2007.4451585, Category number 07CH37929; Code 73236, IF=0  <b>Accession Number: WOS:000254276700103</b></p>	6.25
			<p>7. Elena Hamciuc, Mircea Ignat, Corneliu Hamciuc, Iuliana Stoica, Lubomir Dimitrov, Yuri Kalvachev, <b>Marius Olariu</b>, Electromechanical properties of polyimide composites containing titanium dioxide nanotubes, 2015/8/1, Journal High Performance Polymers, Volume 27, Issue 5, Pages 590-598., DOI: 10.1177/0954008315584185, IF=1,090  <b>Accession Number: WOS:000357694400010</b></p>	6.685
			<p>8. SUAT CETINER, SEYMA SIRIN, <b>MARIUS OLARIU</b> and A. SEZAI SARAC, Frequency and Temperature Dependence of Dielectric Behaviors for Conductive Acrylic Composites, Advances in Polymer Technology, Vol. 35, No. 1, 2016, DOI 10.1002/adv.21523, IF=2,073  <b>Accession Number: WOS:000370077600003</b></p>	16.615
			<p>9. Corneliu Sergiu Stan, Marcel Popa, <b>Marius Olariu</b>, Marius Sebastian Secula, Synthesis and Characterization of PSSA-Polyaniline Composite with an Enhanced Processability in Thin Films Open Chemistry. Volume 13, Issue 1, ISSN (Online) 2391-5420, DOI: 10.1515/chem-2015-0057, December 2014, IF=1,425  <b>Accession Number: WOS:000355403100055</b></p>	13.375
			<p>10. Cetiner, S ; <b>Olariu, M</b> ; Sarac, AS, FABRICATION OF POLY(ACRYLONITRILE-CO-VINYL ACETATE)-POLY(N-METHYL PYRROLE) COMPOSITE NANOFIBERS, DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES, Volume: 8 Issue: 2 Pages: 677-683, Published: APR-JUN 2013, IF= 0.673  <b>Accession Number: WOS:000322737500020</b></p>	12.82
			<p>11. Suat Cetiner, <b>Marius Olariu</b>, Romeo Ciobanu, Hale Karakas, Fatma Kalaoglu and A. Sezai Sarac, Polypyrrole/polyacrylonitrile composite films: Dielectric, spectrophotometric and morphologic characterization, FIBERS AND POLYMERS, Volume: 11, Issue: 6, Pages: 843-850, Published: SEP 2010, ISSN: 1229-9197, DOI: 10.1007/s12221-010-0843-9, IF=1,022  <b>Accession Number: WOS:000282512800006</b></p>	7.573
			<p>12. Suat Cetiner, Hale Karakas, Romeo Ciobanu, <b>Marius Olariu</b>, N. Ugur Kaya, Cem Unsal, Fatma Kalaoglu, A. Sezai Sarac,, Polymerization of pyrrole derivatives on polyacrylonitrile matrix, FTIR-ATR and dielectric spectroscopic characterization of composite thin films, Source: SYNTHETIC METALS, Volume: 160, Issue: 11-12, Pages: 1189-1196, Published: JUN 2010, ISSN: 0379-6779, DOI: 10.1016/j.synthmet.2010.03.007, IF=2,526  <b>Accession Number: WOS:000279625900011</b></p>	9.44

				<p>13. Aradoaei S, Darie R, Constantinescu G, <b>Olariu M</b>, Ciobanu R., Modified lignin effectiveness as compatibilizer for PET/LDPE blends containing secondary materials, , JOURNAL OF NON-CRYSTALLINE SOLIDS, Volume: 356 Issue: 11-17 Pages: 768-771 Published: APR 1 2010, ISSN: 0022-3093, DOI: 10.1016/j.jnoncrysol.2009.11.046, IF=2,488  <b>Accession Number: WOS:000276665500050</b></p>	14.95
				<p>14. Hamciuc, E. Hamciuc, <b>M. Olariu</b>, R. Ciobanu, Thermal and electrical behaviour of some hybrid polyimide films containing barium and titanium oxides, POLYMER INTERNATIONAL, Volume: 59, Issue: 5, Pages: 668-675, Published: MAY 2010, ISSN: 0959-8103, DOI: 10.1002/pi.2747, IF=2,352  <b>Accession Number: WOS:000277767500015</b></p>	18.01
				<p>15. Hamciuc E, Hamciuc C, <b>Olariu M</b>, Thermal and Electrical Behavior of Polyimide/Silica Hybrid Thin Films, POLYMER ENGINEERING AND SCIENCE, Volume: 50, Issue: 3, Pages: 520-529, Published: MAR 2010, ISSN: 0032-3888, DOI: 10.1002/pen.21562 IF=1,551  <b>Accession Number: WOS:000275008700011</b></p>	18.673
				<p>16. C. Hamciuc, E. Hamciuc, I. Bacosca, <b>M. Olariu</b>, Thermal and electrical properties of some poly(ether-imide) thin films, Materiale Plastice, 47, 11-15, 2010, ISSN: 0025-5289, IF=1,278  <b>Accession Number: WOS:000276587100003</b></p>	12.64
				<p>17. Hamciuc C, Hamciuc E, Vlad S, <b>Olariu M</b>, Fluorinated Block Copolymers Containing Imide and 1,3,4-oxadiazole Rings, MATERIALE PLASTICE, Volume: 45, Issue: 4 Pages: 356-361, Published: DEC 2008, ISSN: 0025-5289, IF=1,278  <b>Accession Number: WOS:000262600800010</b></p>	12.64
				<b>Total 2.1</b>	<b>215,359</b>
		<b>2.2</b> <b>Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date</b>	Minimum 20, pentru profesor / CS I din care 5 în reviste		<b>20 / nr. de autori</b>
				<p>1. <b>(REVISTA1) M. Olariu</b>, A. Arcire, Methane and hydrogen gas sensing properties of fullerenes C60 for breath analyzing purpose, BULETINUL INSTITUTULUI POLITEHNIC DIN IAȘI, Volumul 64 (68), Numărul 3, pp. 107-119, 2018, Secția ELECTROTEHNICĂ. ENERGETICĂ. ELECTRONICĂ</p>	10
				<p>2. <b>Olariu Marius</b>, Arcire Alexandru, Improving Electromanipulation Capacity of Dielectrophoretic Arrays Based on Variation of Interdigitated Microelectrode's Geometry, DOI: 10.1109/ICEPE.2016.7781298, Electronic ISBN: 978-1-5090-6129-7, pg. 37-41, 9th International Conference and Exposition on Electrical and Power Engineering, EPE 2016  <b>INSPEC Accession Number: 16525883</b></p>	10

		internatio nale(BDI)	<p>3. Baluta, G., <b>Olariu M.</b>, Numerical simulation of BLDC electrical drive systems closed-loop control and sensorless control, 2014, EPE 2014 - Proceedings of the 2014 International Conference and Exposition on Electrical and Power Engineering, Article number 6970047, Pages 927-932, ISBN:978-1-4799-5849-8 <b>Accession Number: WOS:000353565300173</b></p>	10
			<p>4. <b>(REVISTA2)</b> Cetiner, S.; <b>Olariu, M.</b>; Kaya, N. U.; Aradoaei S, THERMALLY STIMULATED DISCHARGE CURRENTS OF POLY(ACRYLONITRILE-CO-ACRYLIC ACID)-POLYPYRROLE COMPOSITES, March 2013, Key Engineering Materials 543:154-158, DOI: 10.4028/www.scientific.net/KEM.543.154 <b>Accession Number: WOS:000319023100038</b></p>	5
			<p>5. Scarlatache, V.-A., <b>Olariu, M.</b>, Ursache, S., Ciobanu, R.C., Pasquale, M.b Magnetic and dielectric losses of a nanocomposites polymer matrix reinforced with ferromagnetic powders, 2012, Article number 6463940, Pages 125-128, 2012, ISBN:978-1-4673-1172-4; 978-1-4673-1173-1, 7th International Conference and Exposition on Electrical and Power Engineering, EPE 2012 <b>Accession Number: WOS:000324685300026</b></p>	4
			<p>6. <b>(REVISTA3)</b> Caprile, A, Coisson A, Fiorillo, Kabos P, Manu OM, Olivetti A, <b>Olariu MA</b>, Pasquale M, Scarlatache VA, Microwave Behavior of Polymer Bonded Iron Oxide Nanoparticles, IEEE TRANSACTIONS ON MAGNETICS Volume: 48 Issue: 11 Pages: 3394-3397 DOI: 10.1109/TMAG.2012.2200462 Published: NOV 2012, IF=1,467 <b>Accession Number: WOS:000310194400169</b></p>	2.22
			<p>7. <b>Olariu, M.</b>, Scarlatache, V.-A., Niagu, A., Ursache, S., Ciobanu, R.C., The influence of frequency and temperature upon dielectric behavior of polypropylene reinforced with multi-walled carbon nanotubes (MWCNTs), Proceedings of the International Conference on Optimisation of Electrical and Electronic Equipment, OPTIM, 6231902, pp. 287-292, ISSN: 1842-0133 <b>Accession Number: WOS:000398866700043</b></p>	4
			<p>8. <b>(REVISTA4)</b> Aradoaei, S.T., Darie, R.N., Vasile, C., Mosneagu, <b>M.</b>, <b>Olariu, M.A.</b>, Morphology and dielectric properties of some LDPE/PA blends in presence of compatibilizers, 2012 Source of the Document Solid State Phenomena 188, pp. 268-274, ISSN: 1012-0394, DOI: 10.4028/www.scientific.net/SSP.188.268 <b>Accession Number: WOS:000308047400045</b></p>	4

			<p>9. <b>(REVISTA5)</b> S. Ursache, R. C. Ciobanu, <b>M. Olariu</b>, and A. Neamtu, Dielectric Properties and Electromagnetic Behaviour of Pan/Nmpy Conductive Composites, International Journal of Information and Electronics Engineering, Vol. 3, No. 4, July 2013, DOI: 10.7763/IJIEE.2013.V3.350</p> <p><b>Revista indexata INSPECT</b></p>	5
			<p>10. <b>(REVISTA6)</b> Kim, Ik Jin; Zhao, Wei; Chung, Jeong Ho; <b>Olariu Marius</b>; Trandabat, Alexandru F.; Ciobanu, Romeo-Cristian, Effect of interconnected molecular types on the packing rate of self-assembled monolayers of TMA-A zeolite nanocrystals on glass. JOURNAL OF CERAMIC PROCESSING RESEARCH, 11 (3), pp. 303-307, 2010. . IF=0,327</p> <p><b>Accession Number: WOS:000280125600004</b></p>	3.33
			<p>11. Ciobanu, R., Schreiner, C., <b>Olariu, M.</b>, Evaluation via PEA measurements of paper-oil insulation submitted to gamma radiation, Proceedings of 2008 International Conference on Condition Monitoring and Diagnosis, CMD 2008, Article number 4580500, Pages 1187-1190, ISBN:978-1-4244-1621-9</p> <p><b>Accession Number: WOS:000257946000122</b></p>	6.67
			<p>12. Damian, R. , Ciobanu, R., Brînzilă, M., <b>Olariu, M.</b>, Stability considerations and efficient computing in chiral materials electromagnetic simulations, 15th IMEKO Symposium on Novelties in Electrical Measurements and Instrumentation in Parallel with the 12th Workshop on ADC Modelling and Testing; Iasi; Romania; 19 September 2007 through 21 September 2007; Code 100763</p> <p><b>Articol indexat SCOPUS</b></p>	5
			<p>13. Pislaru, M. , Trandabat, A., <b>Olariu, M.</b>, Neuro fuzzy system for industrial processes fault diagnosis, 15th IMEKO Symposium on Novelties in Electrical Measurements and Instrumentation in Parallel with the 12th Workshop on ADC Modelling and Testing; Iasi; Romania; 19 September 2007 through 21 September 2007; Code 100763</p> <p><b>Articol indexat SCOPUS</b></p>	6.67
			<p>14. <b>Olariu, M</b> : Aradoaei, S; Ursache, S; Hanganu, Space charge evolution in nano-materials determined via dielectric spectroscopy, PROCEEDINGS OF THE 10TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, VOL I: ELECTROTECHNICS, Pages: 93-98, Published: 2006, ISBN:978-973-635-703-9</p> <p><b>Accession Number: WOS:000256417000019</b></p>	5
			<p>15. <b>Olariu, M</b>, Ursache, S; Aradoaei, S; Socotar, Quality of power capacitors dielectric via space charge measurements, PROCEEDINGS OF THE 10TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, VOL I: ELECTROTECHNICS, Pages: 153-158, Published: 2006, ISBN:978-973-635-703-9</p> <p><b>Accession Number: WOS:000256417000029</b></p>	5

				<p>16. Varga, C ; <b>Olariu, M</b>; Trandabat, A; Socotar, D , Modelling the device reliability by use of negative bias temperature instability - NTBI: Principle and brief application, Management of Technological Changes, Book 1, 117-120, Published: 2005, ISBN:978-960-8475-04-5</p> <p><b>Accession Number: WOS:000249920000020</b></p>	5
				<p>17. Aradoaei, S.; Hanganu, S.; Donciu, C.; <b>Olariu, M</b>, Socotar, D, Prototype architecture of a remote teaching laboratory, Edited by: Rusu, C; Phillis, Y, Conference: 4th International Conference on Management of Technological Changes Location: Chania, GREECE Date: AUG 19-20, 2005, Management of Technological Changes, Book 1 Pages: 179-182 Published: 2005, ISBN:978-960-8475-04-5</p> <p><b>Accession Number: WOS:000249920000031</b></p>	4
				<p>18. <b>Olariu, M.</b>; Constantinescu, G.; Prisecaru, I.; Aradoaei, S., Advanced composites from recycled polyethylene: Technology optimization via thermal step method, Edited by: Rusu, C; Phillis, Y, Conference: 4th International Conference on Management of Technological Changes Location: Chania, GREECE Date: AUG 19-20, 2005, Management of Technological Changes, Book 1 Pages: 287-290 Published: 2005, ISBN:978-960-8475-04-5</p> <p><b>Accession Number: WOS:000249920000051</b></p>	5
				<p>19. <b>Olariu, M.</b>; Aradoaei, S.; Prisecaru, I.; Ciobanu, R, Space charge study via thermal step method and applications in new materials quality, Edited by: Rusu, C; Phillis, Y, Conference: 4th International Conference on Management of Technological Changes Location: Chania, GREECE Date: AUG 19-20, 2005 , , Management of Technological Changes, Book 1 Pages: 291-296 Published: 2005, ISBN:978-960-8475-04-5</p> <p><b>Accession Number: WOS:000249920000052</b></p>	5
				<p>20. Pislaru, M.; Schreiner, C.; Trandabat, A.; <b>Olariu, M</b>, Neuro-fuzzy system for monitoring and control in industrial processes, Edited by: Rusu, C; Phillis, Y, Conference: 4th International Conference on Management of Technological Changes Location: Chania, GREECE Date: AUG 19-20, 2005, Management of Technological Changes, Book 2 Pages: 91-94 Published: 2005, ISBN:978-960-8475-05-2</p> <p><b>Accession Number: WOS:000249920900016</b></p>	5
				<p>21. Temneanu, C.; Temneanu, M.; <b>Olariu, M.</b>; Socotar, D., Modeling the hysteretic behavior using fuzzy sets, Edited by: Rusu, C; Phillis, Y, Conference: 4th International Conference on Management of Technological Changes Location: Chania, GREECE Date: AUG 19-20, 2005 , MANAGEMENT OF TECHNOLOGICAL CHANGES, BOOK 2 Pages: 111-114 Published: 2005, ISBN:978-960-8475-05-2</p> <p><b>Accession Number: WOS:000249920900020</b></p>	5

				22. Varga, C.; Socotar, D.; Hanganu, S.; <b>Olariu, M.</b> , Trandabat, A., Advanced reliability studies in microelectronics: Upon p-MOSFET structures technological reliability, Edited by: Rusu, C; Phillis, Y, Conference: 4th International Conference on Management of Technological Changes Location: Chania, GREECE Date: AUG 19-20, 2005, Management of Technological Changes, Book 2 Pages: 183-186 Published: 2005, ISBN:978-960-8475-05-2 <b>Accession Number: WOS:000249920900033</b>	4
				23. Aradoaei, S.; <b>Olariu, M.</b> ; Ciobanu, R.; Constantinescu, G, Sustainable development in materials recycling by advanced pe/pet-wood sawdust compounds, Edited by: Rusu, C; Phillis, Y, Conference: 4th International Conference on Management of Technological Changes Location: Chania, GREECE Date: AUG 19-20, 2005, Management of Technological Changes, Book 2 Pages: 293-296 Published: 2005, ISBN:978-960-8475-05-2 <b>Accession Number: WOS:000249920900053</b>	5
				<b>Total 2.2</b>	<b>123,89</b>
		<b>2.4 Granturi / proiecte câștigate prin competiție</b>	2.4.1 Director / responsabil - minimum 2 pentru profesor / CS I	<b>2.4.1.1 Internaționale</b>	<b>20 * ani de desfășurare</b>
				1. Development of implantable bio-sensors for neurotransmitters evaluation, based on electrochemically coated conjugated polymer composites on carbon nano-porous structures / CarPolSense, PNII Capacitati M3, 567/2012, 2012-2013, Buget TUIASI – 26578lei	20*2=40
				2. Explorarea proprietăților electrice și magnetice ale unei noi clase exotice de materie cuantică: izolatorii topologici (QuanTop), Bilateral Romania-China, 45BM/2016, 2016-2017 (15 luni) – Buget TUIASI – 17401 lei	(20/12)*15=24.99
				3. Tehnologie de fabricare a filmelor conductive anizotropice nanostructurate cu arhitectură adaptabilă sub acțiunea câmpului electromagnetic, pentru aplicații electronice și biomedicale (cod COFUND-MANUNET III-AniConFilm-1), ctr. 18/2018, 2018-2020 Buget TUIASI - 551100 lei	20*2=40
				<b>Total 2.3.1.1</b>	<b>104,99</b>
				<b>2.4.1.2 Naționale</b>	<b>10 * ani de desfășurare</b>
				1. DEZVOLTAREA PORTOFOLIULUI DE PRODUSE INOVATIVE AL SC CAOM SA PRIN TRANSFERUL TEHNOLOGIC AL UNEI MARCI TENSOMETRICE CU SENSIBILITATE RIDICATĂ, PNIII-P2-2.1-PTE, ctr. 39PTE/2016, 2016-2018, buget TUIASI - 578583 lei	10*3=30

				2. Proiecte de mobilitate pentru tineri cercetatori din diaspora, PN-III-P1-1.1-MCT-2016-0010, PN III RU MCT 4/2016, 112 zile( 3 luni) – Buget TUIASI: 11120 lei	2,49
				3. Retea wireless de senzori pasivi de hidrogen de tip flex-on-chip pe baza de OLC-uri (onion-like carbon) manipulate cu ajutorul dielectroforezei, H2Sense, PNII PCCA2013, ctr. 43/2014, 07.2014-09.2017 – buget TUIASI 685792 lei	10*4=40
				4. CERCETARII ASUPRA ASIGURARII CALITATII BIO- SI NANO-MATERIALELOR CU AJUTORUL ANALIZEI SARCINII ELECTRICE SPATIALE – 2007-2008, ctr. 33GR/2007, CNCSIS 50, Tema 38, respective tema 38 – Buget TUIASI – 100000lei	10*2=20
				5. Platforma microfluidică pentru detecția celulelor tumorale circulante (CTC) concentrate prin dielectroforeză-magnetoforeză și analizate prin spectroscopie dielectrică și de impedanță electrochimică-uCellDetect, PN III – P2-1.2-PCCDI-3PCCDI/2018, (2018-2020), Buget TUIASI - 1586250 lei	10*2=20
				<b>Total 2.3.1.2</b>	<b>112,49</b>
		2.4.2 Membru în echipă	2.4.2.1 Internaționale		<b>4 * ani de desfășurare</b>
				1. Materiale inteligente tip Chiral-Fagure pentru aplicatii multisectoriale , Contract 2003-3.4.2.1-2 / STRP 013641 /2005, UTI: 1.527.600 RON, STRP NMP /CE	8
				2. Ecrane si panouri absorbante pentru utilizari speciale bazate pe compozite nano- structurale cu arhitectura predefinita si proprietati dielectrice si electromagnetice personalizate, ANCS, Capacitati CB63/2008 ,UTI: 185 180 RON, Romania-Turcia	8
				3. Filme ceramice subțiri nanoporoase din cristale zeolitice pe bază de siliciu pentru materiale cu constanta dielectrica redusă, Bilateral România – Coreea de Sud, Nr. 64/2008, 204851,07 RON, 2008 – 2009	8
				4. Remote instrumentation for new generation regional grids, Ro-Bu ANCS Cooperare bilaterală România Bulgaria, contract 62/2008	8
				5. Nanocompozite polimerice conductive cu structura predefinita si proprietati dielectrice si EMC dedicate ecranarii si realizarii de panouri absorbante pentru cladiri speciale, CNMP, MNT 7-014/2008, UTI: 1 900 000 RON	8
				6. Compozite polimerice nano-active avansate cu metale rare și oxizi metalici, pentru aplicații în microelectronică în domeniul GHz, (RO-CY-NANOXPOL), 436/2010	12
				7. Terapie hipertermo-chemoterapica combinata pentru controlul tumorilor hepatice, bazata pe activarea cu microunde a unor nanostructuri functionalizate imobilizate subendotelial (CheTherDel), EURONANOMED, 4-002 / 2012	12

			8. Low-cost and energy-efficient LTCC sensor/IR-UWB transceiver solutions for sustainable healthy environment (SENSEIVER), FP7-PEOPLE-2011-ITN MSC, 2013-2015	8
			9. Contract: 50/2016, ERANET, "Nanomateriale și arhitecturi inovatoare pentru aplicații integrate de captare a energiei piezoelectrice ", HarvEnPiez.	4
			10. Contract: 83/2016, ERANET, "Zone urbane bioclimatice inteligente cu emisii reduse de carbon ca insule inovatoare energetic într-un oraș durabil ", SMART URBAN ISLE	4
			11. Contract: 9/2015, ERANET, "Senzori integrați cu caracteristici microfluidice folosind tehnologia LTCC", INCERSEN.	8
			12. Dezvoltarea de senzori integrați folosind tehnologia LTCC pentru aplicații în domenii ca: medicina, securitate, mediu, PN2 Capacități 553/2012	8
			<b>TOTAL 2.3.2.1</b>	<b>96</b>
			<b>2.4.2.2 Naționale</b>	<b>2 * ani de desfășurare</b>
			1. Dezvoltarea instituțională a TUIASI prin creșterea vizibilității și a performanței cercetării, PN III-1-1.2-PFE, nr. 9PFE/2018, 2018-2020	6
			2. Dezvoltarea capacității de integrare a României în cadrul programelor, platformelor și rețelelor europene în domeniul sistemelor virtuale și distribuite de design și management al cercetării,, CNMP, CEEEX M3, 188/2006, UTI 110 000 RON	6
			3. Dezvoltarea parteneriatelor C/D prin includerea excelenței românești, în vederea promovării de proiecte comune în domeniul materialelor avansate nanostructurate destinate ecranelor de protecție la radiații electromagnetice în domeniul GHz, CNMP, CEEEX M3 202/2006, UTI: 150 000 RON	6
			4. Măsurări dielectrice avansate dedicate domeniului bio și nano compozitelor, UTI: 520 000 RON CNCIS CEEEX M2PD 1527/2006	6
			5. Ecrane pentru construcții speciale bazate pe structuri chirale, CEEEX M1, 46/2006, UTI: 555 000 RON	6
			6. Biocompozite obținute prin reciclarea deșeurilor de PET și utilizarea de derivați ligno-celulozici, CEEEX M1, 79/2006	6
			7. Dezvoltarea capacității de integrare a României în cadrul programelor, platformelor și rețelelor europene în domeniul metodelor comparative neinvazive și nedistructive de analiză a calitatii și siguranței alimentelor, CEEEX M3, 173/ 2006, UTI: 150 000 RON	6
			8. Dezvoltarea capacității de integrare a României în cadrul programelor, platformelor și rețelelor europene în domeniul obținerii de biocompozite cu aplicații multisectoriale, CEEEX M3, 179/ 2006, UTI: 130 000 RON	6

				9. Metodologie dielectrica nedistructiva, neinvaziva, comparativa de detectare rapida a ingredientilor cu potential factor de risc pentru sanatate din produsele alimentare, PN2 Parteneriate / CNMP 51-015/2007 UTI: 1 050 000 RON	6
				10. Haine ESD realizate din fibre cu miez conductor tricotate bistrat (GarmESD), PN2 Parteneriate 179_PCCA_2012 – 1078000 lei	8
				11. Materiale inteligente tip Chiral-fagure pentru aplicatii multisectoriale, Corint, CEEEX M3, CEEEX 115/2005	6
				<b>TOTAL 2.3.2.2</b>	<b>68</b>
				<b>Total activitate de cercetare (A2)</b>	<b>720,72</b>

### 3. Recunoastere si impactul activitatii (A3)

#### 3.1 Citări în reviste WOS și volumele conferințelor WOS

Nr crt.	Lucrarea citată	nr citari	Punctaj
1.	<p>Suat Cetiner, Hale Karakas, Romeo Ciobanu, <b>Marius Olariu</b>, N. Ugur Kaya, Cem Unsal, Fatma Kalaoglu, A. Sezai Sarac,, Polymerization of pyrrole derivatives on polyacrylonitrile matrix, FTIR-ATR and dielectric spectroscopic characterization of composite thin films, Source: SYNTHETIC METALS, Volume: 160, Issue: 11-12, Pages: 1189-1196, Published: JUN 2010, ISSN: 0379-6779, DOI: 10.1016/j.synthmet.2010.03.007, IF=2,299</p> <p><b>Citată în:</b></p> <p>1. Comparatively Thermal and Crystalline Study of Poly(methyl-methacrylate)/Polyacrylonitrile Hybrids: Core-Shell Hollow Fibers, Porous Fibers, and Thin Films, By: Huang, Jiangnan; Cao, Yonghai; Huang, Zhongyuan; et al., MACROMOLECULAR MATERIALS AND ENGINEERING Volume: 301 Issue: 11 Pages: 1327-1336 Published: NOV 2016</p> <p>2. Adsorption and subsequent detoxification of hexavalent chromium in aqueous solution using polypyrrole-bacterial extracellular polysaccharide nanocomposite, By: Rajeswari, V.; Janaki, V.; Shanthi, K.; et al., ENVIRONMENTAL PROGRESS &amp; SUSTAINABLE ENERGY Volume: 35 Issue: 5 Pages: 1293-1297 Published: SEP 2016</p> <p>3. A Fast Response Ammonia Sensor Based on Coaxial PPy-PAN Nanofiber Yarn, By: Liu, Penghong; Wu, Shaohua; Zhang, Yue; et al., NANOMATERIALS Volume: 6 Issue: 7 Article Number: 121 Published: JUL 2016</p> <p>4. Photopolymerization of pyrrole/methacrylate mixtures using alpha-cleavage type photoinitiators in combination with iodonium salt, By: Asmussen, Silvana; Arenas, Gustavo; Vallo, Claudia, SYNTHETIC METALS Volume: 209 Pages: 304-312 Published: NOV 2015</p> <p>5. Structural and Dielectric Properties of Polythiophene/Chrom(III) Acetylacetonate Composites, By: Tarcu, Erdogan, JOURNAL OF MACROMOLECULAR SCIENCE PART B-PHYSICS Volume: 54 Issue: 8 Pages: 897-906 Published: 2015</p> <p>6. A Facile Route for Fabrication of Conductive Hydrophobic Textile Materials Using N-octyl/N-perfluorohexyl Substituted Polypyrrole, By: Nateghi, Mohammad R.; Dehghan, Saideh; Shateri-Khalilabad, Mohammad, INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS Volume: 62 Issue: 12 Pages: 648-652 Published: JUN 18 2013</p> <p>7. Preparation and characterization of polypyrrole/selenium composites, By: Ozkazanc, Ersel; Zor, Sibel; Ozkazanc, Hatice; et al., POLYMER ENGINEERING AND SCIENCE Volume: 53 Issue: 6 Pages: 1131-1137 Published: JUN 2013</p>	21	13,12

Nr crt.	Lucrarea citata	nr citari	Punctaj
	<p>8. Synthesis, characterization, and conductivity studies of polypyrrole/copper sulfide nanocomposites, By: Ramesan, M. T., JOURNAL OF APPLIED POLYMER SCIENCE Volume: 128 Issue: 3 Pages: 1540-1546 Published: MAY 5 2013</p> <p>9. Preparation and Properties of Fe<sub>3</sub>O<sub>4</sub>/Polypyrrole/Poly(Pyrrole-Co- Acrylamide) Nanocomposites, By: Ramesan, M. T., INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS Volume: 62 Issue: 5 Pages: 277-283 Published: MAR 1 2013</p> <p>10. Composite films based on shape memory polyurethanes and nanostructured polyaniline or cellulose-polyaniline particles, By: Casado, U. M.; Quintanilla, R. M.; Aranguren, M. I.; et al., SYNTHETIC METALS Volume: 162 Issue: 17-18 Pages: 1654-1664 Published: OCT 2012</p> <p>11. Polypyrrole/copper(II) acetylacetonate composites prepared by in situ chemical oxidative polymerisation, By: Ozkazanc, Ersel, SYNTHETIC METALS Volume: 162 Issue: 11-12 Pages: 1016-1023 Published: JUL 2012</p> <p>12. In Situ Synthesis, Characterization and Conductivity of Copper Sulphide/Polypyrrole/Polyvinyl Alcohol Blend Nanocomposite, By: Ramesan, Manammal Thankappan, POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING Volume: 51 Issue: 12 Pages: 1223-1229 Published: 2012</p> <p>13 Structure, optical and electrical behaviour of x(2Bi(2)O(3)center dot MnO)center dot(10-x)B<sub>2</sub>O<sub>3</sub> glasses By: Abdel-Hameed, S. A. M.; Fathi, A. M.; Eltohamy, M. JOURNAL OF NON-CRYSTALLINE SOLIDS Volume: 510 Pages: 71-80 Published: APR 15 2019</p> <p>14. Composite nanofibers through in-situ reduction with abundant active sites as flexible and stable anode for lithium ion batteries By: Wu, Songhao; Han, Yidong; Wen, Kechun; et al. COMPOSITES PART B-ENGINEERING Volume: 161 Pages: 369-375 Published: MAR 15 2019</p> <p>15. A New Approach for Preparation of Smart Conductive Textiles by Polyaniline through in-situ Polymerization Technique By: Ramadan, Mohmmad Abdel Menaem; Fathi, Ahlam; Shaarawy, Sahar; et al. EGYPTIAN JOURNAL OF CHEMISTRY Volume: 61 Issue: 3 Pages: 479-492 Published: MAY-JUN 2018</p> <p>16. Guanine oxidation signal enhancement in single strand DNA with polyacrylonitrile/polyaniline (PAN/PAni) hybrid nanofibers By: Cam, Ezginur; Tanik, Nilay Aladag; Cerkez, Idris; et al.</p>		

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	<p>JOURNAL OF APPLIED POLYMER SCIENCE Volume: 135 Issue: 3 Article Number: 45567 Published: JAN 15 2018</p> <p>17. Influence of Single-Walled Carbon Nanotubes on the Performance of Poly(Azomethine-Ether) Composite Materials By: Hussein, Mahmoud A.; El-Shishtawy, Reda M.; Obaid, Abdullah Y.; et al. POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING Volume: 57 Issue: 11 Pages: 1150-1163 Published: 2018</p> <p>18. Enhancing ionic conductivity in composite polymer electrolytes with well-aligned ceramic nanowires By: Liu, Wei; Lee, Seok Woo; Lin, Dingchang; et al. NATURE ENERGY Volume: 2 Issue: 5 Article Number: 17035 Published: MAY 2017</p> <p>19. In-situ polymerization of magnetic biochar polypyrrole composite: A novel application in supercapacitor By: Thines, K. R.; Abdullah, E. C.; Mubarak, N. M.; et al. BIOMASS &amp; BIOENERGY Volume: 98 Pages: 95-111 Published: MAR 2017</p> <p>20. The impact of graphene nano-plates on the behavior of novel conducting polyazomethine nanocomposites By: Hussein, Mahmoud A.; El-Shishtawy, Reda M.; Obaid, Abdullah Y. RSC ADVANCES Volume: 7 Issue: 17 Pages: 9998-10008 Published: 2017</p> <p>21. Hydrophilic PAN based carbon nanofibres with improved graphitic structure and enhanced mechanical performance using ethylenediamine functionalized graphene By: Li, Zhenyu; Zabihi, Omid; Wang, Jinfeng; et al. RSC ADVANCES Volume: 7 Issue: 5 Pages: 2621-2628 Published: 2017</p>		
2.	<p><i>Hamciuc E, Hamciuc C, <b>Olariu M</b>, Thermal and Electrical Behavior of Polyimide/Silica Hybrid Thin Films, POLYMER ENGINEERING AND SCIENCE, Volume: 50, Issue: 3, Pages: 520-529, Published: MAR 2010, ISSN: 0032-3888, DOI: 10.1002/pen.21562 IF=1,719</i></p> <p><b>Citată în:</b></p> <p>1. Effects of biopolyimide molecular design on their silica hybrids thermo-mechanical, optical and electrical properties By: Dwivedi, S.; Sakamoto, S.; Kato, S.; et al. RSC ADVANCES Volume: 8 Issue: 25 Pages: 14009-14016 Published: 2018</p> <p>2. Preparation of ultra-low dielectric constant silica/polyimide nanofiber membranes by electrospinning, By: Liu, Leipeng; Lv, Fengzhu; Li, Penggang; et al., COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING Volume: 84 Pages: 292-298 Published: MAY 2016</p>	9	15,00

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	<p>By: Yue, Shuangshuang; Wan, Baoquan; Li, Haiyu; et al. INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE Volume: 14 Issue: 2 Pages: 2049-2062 Published: FEB 2019</p> <p>2. Synthesis and characterization of organosoluble radiation-resistant composite materials from octa(maleimidophenyl)silsesquioxane and aryldiamines By: Nagendiran, Shanmugam; Dinakaran, Kannaiyan; Chandramohan, Ayyavu; et al. POLYMERS FOR ADVANCED TECHNOLOGIES Volume: 29 Issue: 4 Pages: 1261-1270 Published: APR 2018</p> <p>3. Enhanced Dielectric Constant, Ultralow Dielectric Loss, and High-Strength Imide-Functionalized Graphene Oxide/Hyperbranched Polyimide Nanocomposites By: Iqbal, Asma; Lee, Seok Hwan; Siddiqi, Humaira Masood; et al. JOURNAL OF PHYSICAL CHEMISTRY C Volume: 122 Issue: 12 Pages: 6555-6565 Published: MAR 29 2018</p> <p>4. Enhancement of dielectric constant of polyimide by doping with modified silicon dioxide@titanium carbide nanoparticles By: Zhang, Tong; Han, Bao-Jun; Yu, Juan; et al. RSC ADVANCES Volume: 8 Issue: 30 Pages: 16696-16702 Published: 2018 Polyimide-coated magnetic nanoparticles as a sorbent in the solid-phase extraction of polycyclic aromatic hydrocarbons in seawater samples By: Mehdinia, Ali; Haddad, Hosein; Mozaffari, Shahla JOURNAL OF SEPARATION SCIENCE Volume: 39 Issue: 17 Pages: 3418-3427 Published: SEP 2016</p> <p>5. Significant enhancement in dielectric constant of polyimide thin films by doping zirconia nanocrystals, By: Li, Xintong; Wang, Gang; Huang, Lijian; et al., MATERIALS LETTERS Volume: 148 Pages: 22-25 Published: JUN 1 2015</p> <p>6. Preparation and properties of thermostable well-functionalized graphene oxide/polyimide composite films with high dielectric constant, low dielectric loss and high strength via in situ polymerization, By: Fang, Xinliang; Liu, Xiaoyun; Cui, Zhong-Kai; et al., JOURNAL OF MATERIALS CHEMISTRY A Volume: 3 Issue: 18 Pages: 10005-10012 Published: 2015</p> <p>7. Enhanced dielectric properties of amino-modified-CNT/polyimide composite films with a sandwich structure, By: Chen, Yaqin; Lin, Baoping; Zhang, Xueqin; et al., JOURNAL OF MATERIALS CHEMISTRY A Volume: 2 Issue: 34 Pages: 14118-14126 Published: 2014</p>		

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	<b>Citată în:</b>		
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6	Suat Cetiner, <b>Marius Olariu</b> , Romeo Ciobanu, Hale Karakas, Fatma Kalaoglu and A. Sezai Sarac, Polypyrrole/polyacrylonitrile composite films: Dielectric, spectrophotometric and morphologic characterization, FIBERS AND POLYMERS, Volume: 11, Issue: 6, Pages: 843-850, Published: SEP 2010, ISSN: 1229-9197, DOI: 10.1007/s12221-010-0843-9, IF=1,022	5	4,166
	<b>Citată în:</b>		
	<p>1. Single walled carbon nano tube -Polyaniline core-shell/polyurethane polymer composite for electromagnetic interference shielding By: Avadhanam, Vanaja; Thanasamy, David; Mathad, Jyotsna Kiran; et al. POLYMER COMPOSITES Volume: 39 Issue: 11 Pages: 4104-4114 Published: NOV 2018</p> <p>2. Synthesis, characterization and X-ray shielding properties of polypyrrole/lead nanocomposites, By: Hosseini, Seyed Hossein; Ezzati, S. Noushin; Askari, M., POLYMERS FOR ADVANCED TECHNOLOGIES Volume: 26 Issue: 6 Pages: 561-568 Published: JUN 2015</p> <p>3. Preparation and characterization of polypyrrole/clinoptilolite nanocomposite with enhanced electrical conductivity by surface polymerization method, By: Rashidzadeh, Azam; Olad, Ali; Ahmadi, Shirin, POLYMER ENGINEERING AND SCIENCE Volume: 53 Issue: 5 Pages: 970-975 Published: MAY 2013</p>		

Nr crt.	Lucrarea citata	nr citari	Punctaj
	<p>4. Electrodeposition of Homogeneous and Adherent Polypyrrole/Na+-Cloisite Nanocomposite on Iron Electrodes, By: Olad, Ali; Amini, Maryam; Rashidzadeh, Azam, FIBERS AND POLYMERS Volume: 13 Issue: 4 Pages: 475-480 Published: APR 30 2012</p> <p>5. Preparation and Dielectric Properties of Polyvinyl Alcohol (Co, Zn Acetate) Fiber/n-Si and Polyvinyl Alcohol (Ni, Zn Acetate)/n-Si Schottky Diodes, By: Tunc, Tuncay; Uslu, Habibe; Altindal, Semsettin, FIBERS AND POLYMERS Volume: 12 Issue: 7 Pages: 886-892 Published: OCT 2011</p> <p><b>Citată în:</b></p>		
7	<p><i>Corneliu Sergiu Stan, Marcel Popa, <b>Marius Olariu</b>, Marius Sebastian Secula, Synthesis and Characterization of PSSA-Polyaniline Composite with an Enhanced Processability in Thin Films Open Chemistry. Volume 13, Issue 1, ISSN (Online) 2391-5420, DOI: 10.1515/chem-2015-0057, December 2014, IF=1,207</i></p> <p><b>Citată în:</b></p> <p>1. Effect of graphene oxide on features of functionalizable Poly(Butylene fumarate) and functional Poly(Butylene succinate) doped polyaniline By: Kaykha, Y.; Rafizadeh, M. POLYMER Volume: 166 Pages: 138-147 Published: MAR 12 2019</p> <p>2. Photocatalytic enhancement of immobilized TiO<sub>2</sub>-polyaniline bilayer (TiO<sub>2</sub>-PBL) system for decolorization of methyl orange dye By: Bahrudin, N. N.; Nawi, M. A.; Nawawi, W. I. MATERIALS RESEARCH BULLETIN Volume: 106 Pages: 388-395 Published: OCT 2018</p> <p>3. Stability enhancement of ITO-free non-inverted PTB7:PC71BM solar cell using two-step post-treated PEDOT:PSS By: Kankanan, Mehrdad; Kosarian, Abdolnabi; Farshidi, Ebrahim JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS Volume: 29 Issue: 14 Pages: 12387-12398</p> <p>4. High-performance activated carbon from polyaniline for capacitive deionization By: Zornitta, Rafael L.; Garcia-Mateos, Francisco J.; Lado, Julio J.; et al. CARBON Volume: 123 Pages: 318-333 Published: OCT 2017</p> <p>5. Atomic Force Microscopy: A Powerful Tool to Address Scaffold Design in Tissue Engineering By: Marrese, Marica; Guarino, Vincenzo; Ambrosio, Luigi</p>	9	11.25

Nr crt.	Lucrarea citata	nr citari	Punctaj
	<p>JOURNAL OF FUNCTIONAL BIOMATERIALS Volume: 8 Issue: 1 Article Number: 7 Published: MAR 2017</p> <p>6. Preparation and Characterization of Thin Films Based on Poly(aniline-2-sulfonic acid) Containing Graphene Nanosheets By: Cheng, Chi-Wen; Wang, Pen-Cheng Conference: 12th International Microsystems, Packaging, Assembly and Circuits Technology Conference (IMPACT) Location: Taipei, TAIWAN Date: OCT 25-27, 2017</p> <p>7. SYNTHESIS, STUDY OF ELECTRICAL, THERMAL BEHAVIOR OF POLYANILINE-POLYSTYRENE SULPHONIC ACID COMPOSITE By: Murtaza, G.; Ahmad, I. DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES Volume: 11 Issue: 4 Pages: 1261-1269 Published: OCT-DEC 2016</p> <p>8. SYNTHESIS, STUDY OF ELECTRICAL, THERMAL BEHAVIOR OF POLYPYRROLE, POLYANILINE AND POLYANILINE - POLYSTYRENE SULPHONIC ACID COMPOSITE By: Murtaza, G.; Ahmad, I.; Hakeem, A.; et al. DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES Volume: 11 Issue: 2 Pages: 477-488 Published: APR-JUN 2016</p> <p>9. Electrical investigations of polyaniline/sulfonated polystyrene composites using broadband dielectric spectroscopy By: Moussa, M. A.; Rehim, M. H. Abdel; Khairy, Sh. A.; et al. SYNTHETIC METALS Volume: 209 Pages: 34-40 Published: NOV 2015</p>		
8	<p>Elena Hamciuc, Mircea Ignat, Corneliu Hamciuc, Iuliana Stoica, Lubomir Dimitrov, Yuri Kalvachev, <b>Marius Olariu</b>, Electromechanical properties of polyimide composites containing titanium dioxide nanotubes, 2015/8/1, Journal High Performance Polymers, Volume 27, Issue 5, Pages 590-598., IF=1,090</p> <p><b>Citată în:</b></p> <p>1. Electrical and mechanical properties of polyimide composite films reinforced by ultralong titanate nanotubes By: Zhao, He; Yang, Chen; Li, Na; et al. SURFACE &amp; COATINGS TECHNOLOGY Volume: 360 Pages: 13-19 Published: FEB 25 2019</p> <p>2. Hydrophilic porous polyimide/-cyclodextrin composite membranes with enhanced gas separation performance and low dielectric constant</p>	3	2,142

Nr crt.	Lucrarea citata	nr citari	Punctaj
	<p>By: Liu, Zehan; Pang, Long; Li, Qing; et al. HIGH PERFORMANCE POLYMERS Volume: 30 Issue: 4 Pages: 446-455 Published: MAY 2018</p> <p>3. Ceramic nanotubes-based elastomer composites for applications in electromechanical transducers By: Bele, A.; Tugui, C.; Sacarescu, L.; et al. MATERIALS &amp; DESIGN Volume: 141 Pages: 120-131 Published: MAR 5 2018</p>		
9	<p><b>Marius Andrei Olariu</b>, Corneliu Hamciuc, Lidia Okrasa, Elena Hamciuc, Lubomir Dimitrov, Yuri Kalvachev, Electrical properties of polyimide composite films containing TiO2 nanotubes, 2015, DOI: 10.1002/pc.23851, IF=2,004</p> <p><b>Citată în:</b></p> <p>1. Fluorinated carbon nanofiber/polyimide composites: Electrical, mechanical, and hydrophobic properties By: Liu, Xiaoxu; Yue, Dong; Yang, Chen; et al. Conference: 9th International Conference on Technological Advances of Thin Films and Surface Coatings (ThinFilms) Location: Shenzhen, PEOPLES R CHINA Date: JUL 17-20, 2018 SURFACE &amp; COATINGS TECHNOLOGY Volume: 361 Pages: 206-211 Published: MAR 15 2019</p> <p>2. Preparation and Thermal Degradation of White Fluorinated Polyimide/TiO2 Composite Films with Strong Shielding Performance By: Li, Linshuang; Xu, Yong; Che, Jianfei; et al. POLYMER-PLASTICS TECHNOLOGY AND MATERIALS Volume: 58 Issue: 2 Pages: 172-181 Published: 2019</p>	2	1,66
10	<p><b>Olariu, M.</b>, Arcire, A. &amp; Plonska-Brzezinska, M.E., Controlled Trapping of Onion-Like Carbon (OLC) via Dielectrophoresis, Journal of Elec Materi (2016). doi:10.1007/s11664-016-4870-1, IF=1,491</p> <p><b>Citată în:</b></p> <p>1. Bridging the scales in high-throughput dielectrophoretic (bio-) particle separation in porous media By: Pesch, Georg R.; Lorenz, Malte; Sachdev, Shaurya; et al. SCIENTIFIC REPORTS Volume: 8 Article Number: 10480 Published: JUL 11 2018</p>	1	1,66
11	<p>SUAT CETINER, SEYMA SIRIN, <b>MARIUS OLARIU</b> and A. SEZAI SARAC, Frequency and Temperature Dependence of Dielectric Behaviors for Conductive Acrylic Composites, Advances in Polymer Technology, Vol. 35, No. 1, 2016, DOI 10.1002/adv.21523, IF=1,114</p> <p><b>Citată în:</b></p> <p>1. Effect of pellet size and additive on silica carbothermic reduction in microwave furnace for solar grade silicon By: Cherif, Fillali; Ahmed, Ilyes Baba; Abderrahmane, Abdelkader; et al.</p>	3	3,75

Nr crt.	Lucrarea citata	nr citari	Punctaj
	<p>MATERIALS SCIENCE-POLAND Volume: 37 Issue: 1 Pages: 122-126 Published: MAR 2019</p> <p>2. Fabrication of monodispersed alpha-Fe<sub>2</sub>O<sub>3</sub>@SiO<sub>2</sub> core-shell nanospheres and investigation of their dielectric behavior By: Sakthisabarimoorthi, A.; Dhas, S. A. Martin Britto; Jose, M. JOURNAL OF ALLOYS AND COMPOUNDS Volume: 771 Pages: 1-8 Published: JAN 15 2019</p> <p>3. Characterization, thermal behavior, and electrical measurements of poly[4-(2-bromoisobutyryl methyl)styrene] By: Biryhan, Fatih; Demirelli, Kadir ADVANCES IN POLYMER TECHNOLOGY Volume: 37 Issue: 6 Pages: 1994-2012 Published: OCT 2018</p>		
	<b>TOTAL 3.1</b>	<b>79</b>	<b>76,11</b>

### 3.2 Citări în reviste BDI și volumele conferințelor BDI

Nr crt.	Lucrarea citata	Nr citari	Punctaj
1.	<p>Cetiner, Suat; <b>Olariu, Marius</b>; Sarac, A. Sezai, FABRICATION OF POLY(ACRYLONITRILE-CO-VINYL ACETATE)-POLY(N-METHYL PYRROLE) COMPOSITE NANOFIBERS, By: DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES Volume: 8 Issue: 2 Pages: 677-683 Published: APR-JUN 2013</p>	2	2

	<p><b>Citată în:</b>  1. Magdy, G., Harb, M.E., Elshaer, A.M., (...), Ebrahim, S., Soliman, M., Preparation of Electrolytic Quasi-Solid-State Nanofibers for Dye-Sensitized Solar Cells, 2019, Publisher: J O M Institute  2 Designing a novel nanocomposite for bone tissue engineering using electrospun conductive PBAT/polypyrrole as a scaffold to direct nanohydroxyapatite electrodeposition, By: de Castro, Jucara G.; Rodrigues, Bruno V. M.; Ricci, Ritchelli; et al., RSC ADVANCES Volume: 6 Issue: 39 Pages: 32615-32623 Published: 2016</p>		
2.	<p><i>Suat Cetiner, M. Olariu, Romeo Ciobanu, Hale Karakas, Fatma Kalaoglu and A. Sezai Sarac, Polypyrrole/polyacrylonitrile composite films: Dielectric, spectrophotometric and morphologic characterization, FIBERS AND POLYMERS, Volume: 11, Issue: 6, Pages: 843-850, Published: SEP 2010, ISSN: 1229-9197, DOI: 10.1007/s12221-010-0843-9, IF=1,022</i></p> <p><b>Citată în:</b>  1. Synthesis and characterization of polyvinyl alcohol/cationic polyurethane binder blend as solid polymer electrolyte  Khutia, M., Joshi, G.M., Bhattacharya, S. 2015, Ionics, 21(11), pp. 3075-3086  2. Electrochemical hybrid bio-sensors for neurotransmitters analysis, Schreiner, C., Dimofte, G., Schreiner, T., 2013, 19th IMEKO TC4 Symposium - Measurements of Electrical Quantities 2013 and 17th International Workshop on ADC and DAC Modelling and Testing pp. 1-5  3. RF conductivity of biodegradable conductive polymers used for a new generation of partially/fully resorbable wireless implantable sensors Boutry, C.M., Chandrahali, H., Hierold, C., 2012, Proceedings of the IEEE International Conference on Micro Electro Mechanical Systems (MEMS), 6170226, pp. 468-471</p>	3	1.5
3	<p><i>C. Hamciuc, E. Hamciuc, I. Bacosca, M. Olariu, Thermal and electrical properties of some poly(ether-imide) thin films, Materiale Plastice, 47, 11-15, 2010, ISSN: 0025-5289, IF=0,5</i></p> <p><b>Citată în:</b>  1. Phosphine oxide based polyimides: Structure-property relationships, Open Access, Butnaru, I., Bruma, M., Gaan, S., 2017, RSC Advances, 7(80), pp. 50508-50518  2. Effect of thermal curing on the properties of thin films based on benzophenonetetracarboxylic dianhydride and 4,4'-diamino-3,3'-dimethyldiphenylmethane, By: Sava, Ion; Chisca, Stefan; Bruma, Maria; et al., JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 104 Issue: 3 Pages: 1135-1143 Published: JUN 2011  3. Influence of Conformational Parameters on Physical Properties of Polyimides Containing Methylene Bridges, By: Chisca, Stefan; Ronova, Inga A.; Sava, Ion; et al., MATERIALE PLASTICE Volume: 48 Issue: 1 Pages: 38-44 Published: MAR 2011  4. Study of Some Aromatic Polyimides Containing Methylene Units, By: Sava, Ion; Chisca, Stefan; Bruma, Maria; et al., MATERIALE PLASTICE Volume: 47 Issue: 4 Pages: 481-485 Published: DEC 2010</p>	4	3

4	<p><i>Aradoaei S, Darie R, Constantinescu G, Olariu M, Ciobanu R., Modified lignin effectiveness as compatibilizer for PET/LDPE blends containing secondary materials, , JOURNAL OF NON-CRYSTALLINE SOLIDS, Volume: 356 Issue: 11-17 Pages: 768-771 Published: APR 1 2010, ISSN: 0022-3093, DOI: 10.1016/j.jnoncrysol.2009.11.046, IF=1,825</i></p> <p><b>Citată în:</b></p> <ol style="list-style-type: none"> <li>1. Principles on Development of Experimental Models of Nanostructured Adhesives, Ursan, George-Andrei; Ursan, Maria; La Rosa, Angela Daniela; et al., Conference: 10th International Conference and Expositions on Electrical and Power Engineering (EPE) Location: Iasi, ROMANIA Date: OCT 18-19, 2018</li> <li>2. Effect of lignin on morphology, biodegradability, mechanical and thermal properties of low linear density polyethylene/lignin biocomposites, By: Ghazali, M.; Triwulandari, E.; Haryono, A.; et al., Conference: International Conference and Exhibition on Innovation in Polymer Science and Technology (IPST) Location: Medan, INDONESIA Date: NOV 07-10, 2016</li> <li>3. Comparison Study of Polyethylene and Polypropylene Addition on Asphalt With Lignin as Coupling Agent, Putra, W.N., Syahwalia, R., Hendrasetyawan, B.E., Giovanni, S.C., Chalid, M., 2017, Macromolecular Symposia, 371(1), pp. 140-143</li> <li>4. Lignin as an Additive for Advanced Composites, By: Polat, Yusuf; Stojanovska, Elena; Negawo, Tolera A.; et al., GREEN BIOCOMPOSITES: MANUFACTURING AND PROPERTIES Book Series: Green Energy and Technology Pages: 71-89 Published: 2017</li> <li>5. Handbook of Cellulosic Ethanol ( Book), Open Access, Amarasekara, A.S., 2013, Handbook of Cellulosic Ethanol, pp. 1-582</li> <li>6. Effect of six technical lignins on thermo-mechanical properties of novolac type phenolic resins, Martinez, J.D., Velásquez, J.A., 2013, Macromolecular Symposia, 333(1), pp. 197-205</li> </ol>	6	3.6
5.	<p><i>Suat Cetiner, Hale Karakas, Romeo Ciobanu, <b>Marius Olariu</b>, N. Ugur Kaya, Cem Unsal, Fatma Kalaoglu, A. Sezai Sarac., Polymerization of pyrrole derivatives on polyacrylonitrile matrix, FTIR-ATR and dielectric spectroscopic characterization of composite thin films, Source: SYNTHETIC METALS, Volume: 160, Issue: 11-12, Pages: 1189-1196, Published: JUN 2010, ISSN: 0379-6779, DOI: 10.1016/j.synthmet.2010.03.007, IF=2,526</i></p> <p><b>Citată în:</b></p> <ol style="list-style-type: none"> <li>1. Influence of Monomer Concentration on the Morphologies and Electrochemical Properties of PEDOT, PANI, and PPy Prepared from Aqueous Solution, Open Access, Kulandaivalu, S., Zainal, Z., Sulaiman, Y., 2016, International Journal of Polymer Science, 2016,8518293</li> <li>2. Conducting polymers. VI. Effect of doping with iodine on the dielectrical and electrical conduction properties of polyacrylonitrile, El-Ghamaz, N.A., Diab, M.A., Zoromba, M.S., El-Sonbati, A.Z., El-Shahat, O., 2013, Solid State Sciences, 24, pp. 140-146</li> </ol>	2	0.75

6.	<p>Hamciuc E, Hamciuc C, <b>Olariu M</b>, <i>Thermal and Electrical Behavior of Polyimide/Silica Hybrid Thin Films</i>, POLYMER ENGINEERING AND SCIENCE, Volume: 50, Issue: 3, Pages: 520-529, Published: MAR 2010, ISSN: 0032-3888, DOI: 10.1002/pen.21562 IF=1,719</p> <p><b>Citată în:</b>  1. Synthesis and characterization of hydrophobic, ultra-fine fibres based on an organic–inorganic nanocomposite containing a polyimide functionality, Open Access, Schramm, C., Rinderer, B., Tessadri, R., 2019, Polymers and Polymer Composites  2. Effects of biopolyimide molecular design on their silica hybrids thermo-mechanical, optical and electrical properties, Open Access, Dwivedi, S., Sakamoto, S., Kato, S., Mitsumata, T., Kaneko, T., 2018, RSC Advances, 8(25), pp. 14009-14016</p>	2	2
7.	<p>Ciobanu, R., Schreiner, C., <b>Olariu, M.</b>, <i>Evaluation via PEA measurements of paper-oil insulation submitted to gamma radiation</i>, Proceedings of 2008 International Conference on Condition Monitoring and Diagnosis, CMD 2008, Article number 4580500, Pages 1187-1190</p> <p><b>Citată în:</b>  1. Calibration of pulsed electroacoustic method considering electrode-dielectric interface status and porosity, Huang, M., Zhou, Y., Chen, W., (...), Jin, F., Huang, J., 2014, Japanese Journal of Applied Physics, 53(10),106601</p>	1	0.33
8	<p>Scarlatache, V.-A., Olariu, M., Ursache, S., Ciobanu, R.C., Pasquale, M.b <i>Magnetic and dielectric losses of a nanocomposites polymer matrix reinforced with ferromagnetic powders</i>, 2012, Article number 6463940, Pages 125-128, 2012 7th International Conference and Exposition on Electrical and Power Engineering, EPE 2012</p> <p><b>Citată în:</b>  1. Magneto-Dielectric Behaviour of M-Type Hexaferrite/Polymer Nanocomposites  By: Sanida, Aikaterini; Stavropoulos, Sotirios; Spiliotis, Thanassis; et al.  MATERIALS Volume: 11 Issue: 12 Article Number: 2551 Published: DEC 2018  2. A comparative thermomechanical study of ferrite/polymer nanocomposites  By: Sanida, A.; Stavropoulos, S. G.; Psarras, G. C.  Conference: 1st International Conference of the Greek-Society-of-Experimental-Mechanics-of-Materials (GSEMM)  Location: Athens, GREECE Date: MAY 10-12, 2018  Sponsor(s): Greek Soc Experimental Mech Mat; ESIS  1ST INTERNATIONAL CONFERENCE OF THE GREEK SOCIETY OF EXPERIMENTAL MECHANICS OF MATERIALS (GSEMM) Book Series: Procedia Structural Integrity Volume: 10 Pages: 257-263 Published: 2018  3. Magnetic nanoparticles - polymer matrix nanodielectrics: Manufacturing, characterization and functionality</p>	3	1.8

	By: Sanida, A.; Stavropoulos, S. G.; Speliotis, Th.; et al. Conference: 11th Panhellenic Scientific Conference on Chemical Engineering (PSCCE) Location: Thessaloniki, GREECE Date: MAY 25-27, 2017		
	<b>Total 3.2</b>	23	14.98

**3.4 Membru în colectivele de redacție sau comitete științifice ale revistelor și manifestărilor științifice, organizator de manifestări științifice, recenzor pentru reviste și manifestări științifice naționale și internaționale (punctajul se acordă pentru fiecare revistă, manifestare științifică și recenzie)**

Nr. Crt	Numele revistei	Tip revista	An recenziei	Punctaj
1	Journal of Electrostatics	WOS	2014	10
2	PCM2015	BDI	2014	6
3	EPE2014	BDI	2014	6
4	EPE2014	BDI	2014	6
5	Advanced Journal of Physical Sciences	No	2013	3
6	Bioresources (#6875)	WOS	2015	10
7	Polymer Composites (PC-15-1145)	WOS	2015	10
8	Polymer composites (PC-15-1145.R1)	WOS	2015	10
9	Polymer composites (PC-15-2082)	WOS	2015	10
10	Polymer composites (PC-16-0026)	WOS	2016	10
11	Polymer composites ( PC-16-0751)	WOS	2016	10
12	Sensors (sensors-442033)	WOS	2019	10
13	SN Applied Sciences (SNAS-D-18-01166)	WOS	2019	10
	<b>TOTAL 3.4</b>			<b>111</b>

**3.5 Referent în comisii de doctorat**

Referent Stefan Macovei – 5 puncte

**TOTAL 3.5 – 5 puncte**

### **3.6 Premii**

Nr. crt	Denumire premiu	Acordat de:	Anul acordării	Punctaj
1	Premiu CNC SIS in 2008 pentru articol: FLUORINATED BLOCK COPOLYMERS CONTAINING IMIDE AND 1,3,4-OXADIAZOLE RING, REVISTA DE MATERIALE PLASTICE 45 (4): 356-361 DEC 20	MECTS CNCS	2008	15
2	Premiu CNC SIS in 2010 pentru articol: MODIFIED LIGNIN EFFECTIVENESS AS COMPATIBILIZER FOR PET/LDPE BLENDS CONTAINING SECONDARY MATERIALS, JOURNAL OF NONCRYSTALLINE SOLIDS, 356 (11)	MECTS CNCS	2010	15
3	Premiu CNC SIS in 2010 pentru articol: THERMAL AND ELECTRICAL BEHAVIOR OF POLYIMIDE/SILICA HYBRID THIN FILM, POLYMER ENGINEERING AND SCIENCE, 50, 520	MECTS CNCS	2010	15
4	CNC SIS in 2010 pentru articol: THERMAL AND ELECTRICAL BEHAVIOUR OF SOME HYBRID POLYIMIDE FILMS CONTAINING BARIUM AND TITANIUM OXIDES, POLYMER INTERNATIONAL, 59, 668	MECTS CNCS	2010	15
5	CNC SIS in 2013 pentru articol: FABRICATION OF POLY(ACRYLONITRILE-CO-VINYL ACETATE)-POLY(N-METHYL PYRROLE) COMPOSITE NANOFIBERS, DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES, Volume: 8 Issue: 2 Pages: 677-683, Published: APR-JUN 2013	MECTS CNCS	2013	15
<b>TOTAL 3.6</b>				<b>75</b>

**3.7 Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenență la organizații din domeniul educației și cercetării**

#### **3.7.4 Asociații profesionale**

American Evaluation Society

**5 puncte**

#### **3.7.5 Consilii și organizații în domeniul educației și cercetării**

American Society for Engineering Education

**15 puncte**

**TOTAL 3.7 – 20 puncte**

**Tabel centralizator privind activitatea candidatului și punctajele realizate**

Nr. crt.	Criteriu	Condiții minimale	Realizări candidat	Punctaje candidat
<b>1</b>	1.1.1 Cărți cu ISBN / capitole ca autor didactice sau monografii, pentru profesor / CS I: minimum 4	4	5 (internationale 3 (2 ca prim autor), nationale 2 (1 prim autor))	114,91
	1.2.1 Suport de curs inclusiv electronic , pentru profesor / CS I: minimum 2	2	2 ( 2 ca unic autor)	21.70
	1.2.2 Îndrumare de laborator / aplicații, pentru profesor / CSI: minimum 2	2	2 (1 unic autor, 1 co autor)	8.10
<b>Total puncte activitate didactică și profesională (A1)</b>				<b>144.71</b>
<b>2</b>	2.1 Articole în extenso în reviste cotate WSO Thomson Reuters, în volume proceedings indexate I WSO Thomson Reuters și brevete de invenție WOS_Derwent, Minimum 10, pentru profesor / CS I: minimum 10 articole din care 4 ca prim autor și minimum 4 în reviste	10	17 (5 prim autor), toate articolele în reviste	215,35
	2.2 Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale(BDI), Minimum 20, pentru profesor / CS I din care 5 în reviste	20	23 (6 în reviste)	123,89
	2.3. Granturi / proiecte câștigate prin competiție	Min. 2 ca director	Director – 8 (3 internationale, 5 nationale) Membru – 23	381.48
<b>Total puncte activitate de cercetare (A2)</b>				<b>720.72</b>
<b>3</b>	3.1. Citări în revistele WOS și volumele conferințelor WOS(fără autocitari)	Minimum 10	79	76.11
	3.2 Citări în revistele BDI și volumele conferințelor BDI (fără autocitari)	Minimum 20	23	14.98
	3.4 Membru în colectivele de redacție sau comitete științifice ale revistelor și manifestărilor științifice, organizator de manifestări științifice, recenzor pentru reviste și manifestări științifice naționale și internaționale (punctajul se acordă pentru fiecare revistă, manifestare științifică și recenzie)	-	ISI – 9 BDI – 3 Altele - 1	101
	3.5 Referent în comisii de doctorat		1	5

Nr. crt.	Criteriu	Condiții minimale	Realizări candidat	Punctaje candidat
	3.6 Premii	-	5 CNC SIS	75
	3.7. Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale	-	Internaționale – 2	20
			Naționale – 1	
Total puncte recunoașterea impactului activității, inclusiv criterii opționale (A3)				292,08
TOTAL				1157,51

Data: 10/01/2020

Semnatura