



## ANEXA I

## FIȘA DE EVALUARE GENERALĂ A STANDARDELOR UNIVERSITĂȚII

CRITERII	DESCRIPTORI	PUNCTAJE ACORDATE
1	Articole științifice publicate <i>in extenso</i> în reviste cotate <i>Web of Science</i> cu factor de impact: 19 (9 prim autor)	661.419
2	Articole științifice publicate <i>in extenso</i> în reviste indexate <i>Web of Science</i> fără factor de impact: 1	4
3	Articole științifice publicate <i>in extenso</i> în reviste indexate BDI: 0	0
4	Articole științifice publicate <i>in extenso</i> în volumele conferințelor: 6	4.225
5	Cărți științifice publicate (doar prima ediție)	0
6	Cărți științifice traduse și publicate în edituri din străinătate	0
7	Coordonarea și editarea de volume, traduceri și antologii	0
8	Articole publicate în dicționare și enciclopedii	0
9	Contracte de cercetare științifică în instituții academice (universități, institute ale Academiei Române, institute naționale de cercetare, institute de cercetare din străinătate, alte categorii de institute academice)	43.598
10	Contracte de cercetare în mediul de afaceri și sectorul public	0
11	Brevete	0
12	Citări și recenzii ale lucrărilor științifice : 91	1030.639
13	Lucrări susținute în calitate de invitat la manifestări științifice (conferințe, congrese, simpozioane, seminarii și ateliere de lucru)	0
14	Profesor/cercetător invitat la universități/institute de cercetare	60
15	Editor/Membru în <i>Editorial Board &amp; Advisory Board</i>	0
16	Premii internaționale obținute printr-un proces de selecție : 1	100
17	Premii ale Academiei Române	0
18	Alte premii naționale ale instituțiilor culturale : 3	50
19	Participări la manifestări științifice	388
	Didactic	0
	<b>TOTAL</b>	<b>2337.9</b>

CRITERII	DESCRIPTORI	PUNCTAJE ACORDATE
I. ACTIVITATEA DE CERCETARE (70%)	<p>1. Articole științifice publicate <i>in extenso</i> în reviste cotate <i>Web of Science</i> cu factor de impact:</p> <p style="text-align: right;"><b>19</b> <b>9 prim autor</b></p>	<p>(60 puncte x factor de impact + 25) / număr autori</p> <p style="text-align: right;"><b>Subtotal punctaj:</b> <b>661.419</b></p>
	<p><b>1.1 R. Jijie, V. Pohoata and I. Topala, Thermal behavior of bovine serum albumin after exposure to barrier discharge helium plasma jet, Applied Physics Letters, 101 (2012) 144103.</b></p>	<p>Factor impact = <b>3.495</b> Numar Autori = <b>3</b> <b>78.233</b></p>
	<p><b>1.2 R. Jijie, C. Luca, V. Pohoata and I. Topala, Effects of Atmospheric Pressure Plasma Jet on Pepsin Structure and Function, IEEE Transactions On Plasma Science, 40 (11) (2012) 2980-2985.</b></p>	<p>Factor impact = <b>1.253</b> Numar Autori = <b>4</b> <b>25.045</b></p>
	<p><b>1.3 K. Hensel, K. Kučerová, B. Tarabová, M. Janda, Z. Machala, K. Sano, C. T. Mihai, M. Ciorpac, L. D. Gorgan, R. Jijie, V. Pohoata and I. Topala, Effects of air transient spark discharge and helium plasma jet on water, bacteria, cells and biomolecules, Biointerphases 10 (2) (2015) 029515.</b></p>	<p>Factor impact = <b>2.455</b> Numar Autori = <b>12</b> <b>14.358</b></p>
	<p><b>1.4 V. Turcheniuk, V. Raks, R. Issa, R. Cooper, P. J. Cragg, R. Jijie, N. Dumitrascu, Mikhalovska, A. Barras, V. Zaitsev, R. Boukherroub, S. Szunerits, Antimicrobial activity of menthol modified nanodiamond particles, Diamond &amp; Related Materials 57(2015) 2-8.</b></p>	<p>Factor impact = <b>2.232</b> Numar Autori = <b>12</b> <b>13.243</b></p>
	<p><b>1.5 R. Jijie, T. Dumych, L. Chengnang, J. Bouckaert, K. Turcheniuk, C. Hage, L. Heliot, B. Cudennec, N. Dumitrascu, R. Boukherroub and S. Szunerits, Particle-based photodynamic therapy based on Indocyanine green modified plasmonic nanostructures for inactivation of Crohn's disease-associated Escherichia coli, Journal of Materials Chemistry B, 4 (2016) 2598-2605.</b></p>	<p>Factor impact = <b>4.776</b> Numar Autori = <b>11</b> <b>28.323</b></p>
	<p><b>1.6 M. Houcem, R. Jijie, G. Pan, D. Drider, D. Caly, J. Bouckaert, N. Dumitrascu, R. Chtourou, S. Szuneritz and R. Boukherroub, A 980 nm driven photothermal ablation of virulent and antibiotic resistant Gram-positive and Gram-negative bacteria strains using Prussian blue nanoparticles, Journal of Colloid and Interface Science, 480 (2016) 63-68.</b></p>	<p>Factor impact = <b>5.091</b> Numar Autori = <b>10</b> <b>33.046</b></p>
<p><b>1.7 I. Mihaila, V. Pohoata, R. Jijie, A.V. Nastuta, I. Rusu and I. Topala, Formation of positive ions in hydrocarbon containing dielectric barrier discharge plasma, Advances in Space Research 58 (11) (2016) 2416-2423.</b></p>	<p>Factor impact = <b>1.529</b> Numar Autori = <b>6</b> <b>19.456</b></p>	

CRITERI I	DESCRIPTORI	PUNCTAJE ACORDATE
	<p><b>1.8</b> S. Boulahneche, <b>R. Jijie</b>, A. Barras, F. Chekin, S. K. Singh, J. Bouckaert, M. Medjram, S. Kurungot, R. Boukherroub and S. Szunerits, <i>On demand electrochemical release of drugs from porous reduced graphene oxide modified flexible electrodes</i>, Journal of Materials Chemistry B 5(32) (2017) 6557-6565.</p> <p><b>1.9</b> C. Gerber, I. Mihaila, D. Hein, A. Nastuta, <b>R. Jijie</b>, V. Pohoata and I. Topala, <i>Time Behaviour of Helium Atmospheric Pressure Plasma Jet Electrical and Optical Parameters</i>, Applied Sciences 7(8) 2017, p.812.</p> <p><b>1.10</b> F. Halouane<sup>1</sup>, <b>R. Jijie</b><sup>1</sup>, D. Meziane, C. Li, SK Singh, J Bouckaert, J Jurazek, S Kurungot, A Barras, M. Li, R. Boukherroub, S. Szunerits, <i>Selective isolation and eradication of E. coli associated with urinary tract infections using anti-fimbrial modified magnetic reduced graphene oxide nanoheaters</i>, Journal of Materials Chemistry B 5.40 (2017): 8133-8142.</p> <p><b>1.11</b> K. Kanlouche<sup>1</sup>, <b>R. Jijie</b><sup>1</sup>, I Hosu, A. Barras, T. Gharbi, R. Yahiaoui, G. Herlem, M. Ferhat, S. Szunerits, R. Boukherroub, <i>Controlled modification of electrochemical microsystems with polyethylenimine/reduced graphene oxide using electrophoretic deposition: Sensing of dopamine levels in meat samples</i>, Talanta 178 (2018): 432-440.</p> <p><b>1.12</b> <b>R. Jijie</b>, A. Barras, R. Boukherroub, S. Szunerits, <i>Nanomaterials for transdermal drug delivery: beyond the state of the art of liposomal structures</i>, Journal of Materials Chemistry B, 5 (44) (2017), 8653-8675.</p> <p><b>1.13</b> <b>R. Jijie</b>, K. Kahlouche, A. Barras, N. Yamakawa, J. Bouckaert, T. Gharbi, S. Szunerits, R. Boukherroub, <i>Reduced graphene oxide/polyethylenimine based immunosensor for the selective and sensitive electrochemical detection of uropathogenic Escherichia coli</i>, Sensors and Actuators B: Chemical 260(2018) 255-263.</p>	<p>Factor impact = <b>4.776</b>  Numar Autori = <b>10</b>  <b>31.156</b></p> <p>Factor impact = <b>1.689</b>  Numar Autori = <b>7</b>  <b>18.048</b></p> <p>Factor impact = <b>4.776</b>  Numar Autori = <b>12</b>  <b>25.963</b></p> <p>Factor impact = <b>4.244</b>  Numar Autori = <b>10</b>  <b>27.964</b></p> <p>Factor impact = <b>4.776</b>  Numar Autori = <b>4</b>  <b>77.89</b></p> <p>Factor impact = <b>5.667</b>  Numar Autori = <b>8</b>  <b>45.627</b></p>

CRITERI I	DESCRIPTORI	PUNCTAJE ACORDATE
	<p><b>1.14</b> A. Vasilescu, R. Ye, S. Boulahneche, S. Lamraoui, <b>R. Jijie</b>, M. Medjram, S. Gaspar, S. Singh, S. Kurungot, S. Melinte, R. Boukherroub, S. Szunerits, <i>Porous reduced graphene oxide modified electrodes for the analysis of calcitonin containing pharmaceutical formulation</i>, <i>Electrochimica Acta</i> 266(2018) 364-372.</p> <p><b>1.15</b> F. Chekin, K. Bagga, P. Subramanian, <b>R. Jijie</b>, S. Singh S. Kurungot, R. Boukherroub, S. Szunerits <i>Nucleic aptamer modified porous reduced graphene oxide/ MoS2 based electrodes for viral detection: Application to human papillomavirus</i>, <i>Sensors and Actuators B: Chemical</i> 262(2018) 991-1000.</p> <p><b>1.16.</b> F. Chekin, A. Vasilescu, <b>R. Jijie</b>, S. Singh, S. Kurungot, M. Iancu, G. Badea, R. Boukherroub, S. Szunerits, <i>Sensitive electrochemical detection of cardiac troponin I in serum and saliva by nitrogen-doped porous reduced graphene oxide electrode</i>, <i>Sensors and Actuators B: Chemical</i> 262(2018) 180-17.</p> <p><b>1.17</b> <b>R. Jijie</b>, A Barras, T. Teslaru, I. Topala, V. Pohata, M. Dobromir, T. Dumych, J. Bouckaert, S. Szunerits, N. Dumitrascu, R. Boukherroub, <i>Aqueous Medium-Induced Micropore Formation in Plasma Polymerized Polystyrene: An effective route to Inhibit Bacteria Adhesion</i>, <i>Materials Chemistry B</i>, in press (IF: 4.543, AIS: 0.943).</p> <p><b>1.18</b> <b>R. Jijie</b>, A. Barras, J. Bouckaert, N. Dumitrascu, S. Szunerits and R. Boukherroub, <i>Enhanced antibacterial activity of carbon dots functionalized with ampicillin combined with visible light triggered photodynamic effects</i>, <i>Colloids and Surfaces B: Biointerfaces</i> 170 (2018) 347-354.</p> <p><b>1.19</b> M. Amiri, M. Fallahi, A. Bezaatpour, <b>R. Jijie</b>, M. Nozari, M. Rouhi, R. Boukherroub, S. Szunerits, "A Solution Processable Cu (II) macrocycle for the Formation of Cu<sub>2</sub>O Thin Film on ITO and its Application for Water Oxidation" <i>The Journal of Physical Chemistry C</i> (2018) in press.</p>	<p>Factor impact = <b>5.116</b> Numar Autori = <b>12</b> <b>27.663</b></p> <p>Factor impact = <b>5.667</b> Numar Autori = <b>8</b> <b>45.627</b></p> <p>Factor impact = <b>5.667</b> Numar Autori = <b>9</b> <b>40.557</b></p> <p>Factor impact = <b>4.776</b> Numar Autori = <b>11</b> <b>28.323</b></p> <p>Factor impact = <b>3.997</b> Numar Autori = <b>6</b> <b>44.136</b></p> <p>Factor impact = <b>4.484</b> Numar Autori = <b>6</b> <b>36.755</b></p>
	2. Articole științifice publicate <i>in extenso</i> în reviste indexate <i>Web of Science</i> fără factor de impact: 1	20 puncte / număr autori
	<b>2.1</b> <b>R. Jijie</b> , A. Barras, F. Teodorescu, R. Boukherroub and S. Szunerits, <i>Advancements on the molecular design of nanoantibiotics: current level of</i>	<b>4</b>

CRITERI I	DESCRIPTORI	PUNCTAJE ACORDATE
	<i>development and future challenges</i> , Molecular Systems Design & Engineering 2.4 (2017): 349-369.	
		<b>Subtotal punctaj: 4</b>
	3. Articole științifice publicate <i>in extenso</i> în reviste indexate BDI: 0	15 puncte / număr autori
	4. Articole științifice publicate <i>in extenso</i> în volumele conferințelor: 6	indexate ISI: 30 puncte / număr autori
		indexate în BDI: 15 puncte / număr autori
		alte categorii: 5 puncte / număr autori
	<p><b>4.1</b> Delia Ciubotaru, <b>Roxana Jijie</b>, Valentin Pohoata, Ilarion Mihaila, Andrei Vasile Nastuta, Marius Dobromir, Ionut Topala, <i>Spectroscopic studies of gas phase and deposited films in He/H<sub>2</sub>/C<sub>n</sub>H<sub>2n+2</sub> atmospheric pressure plasmas</i>, 23<sup>rd</sup> Europhysics Conference on Atomic and Molecular Physics of Ionized Gases (2016).</p>	Numar autori: 7 <b>0.714</b>
	<p><b>4.2</b> <b>Roxana Jijie</b>, Tedora Teslaru, Marius Dobromir, Valentin Pohoata, Ionut Topala, Rabah Boukherroub, Nicoleta Dumitrascu, <i>Copolymerization and Water Stability of Atmospheric Pressure Plasma Polymerized Films from Allylamine and Styrene</i>, ISPC 22 – 22<sup>nd</sup> International Symposium on Plasma Chemistry (2015).</p>	Numar autori: 7 <b>0.714</b>
	<p><b>4.3</b> Ionut Topala, <b>Roxana Jijie</b>, Andrei Nastuta, Ioana Rusu, Ilarion Mihaila and Valentin Pohoata, <i>Considerations on the use of atmospheric pressure plasma to generate complex molecular environments with relevance for molecular astrophysics</i>, ISPC 22 – 22<sup>nd</sup> International Symposium on Plasma Chemistry (2015).</p>	Numar autori: 6 <b>0.833</b>
	<p><b>4.4</b> <b>Roxana Jijie</b>, Tedora Teslaru, Marius Dobromir, Valentin Pohoata, Ionut Topala, Alexandre Barras, Rabah Boukherroub, Nicoleta Dumitrascu, <i>Influence of carrier gas on the behavior of plasma polymerized polystyrene films in aqueous media</i>, Proceedings of the XXXII International Conference on Phenomena in Ionized Gases - ICPIG (2015).</p>	Numar autori: 8 <b>0.625</b>
	<p><b>4.5</b> Teodora Teslaru, <b>Roxana Jijie</b>, Marius Dobromir, Valentin Pohoata, Ionut Topala, V. Antoci, C.-I. Ciobanu, Nicoleta Dumitrascu, <i>On the polymerization reactions of thiophene monomers under atmospheric plasma conditions</i>, Proceedings of the XXXII</p>	Numar autori: 8 <b>0.625</b>

CRITERII	DESCRIPTORI	PUNCTAJE ACORDATE
I	International Conference on Phenomena in Ionized Gases - ICPIG (2015).	
	<b>4.6 Roxana Jijie</b> , Lavinia Curecheriu, George Rusu, Valentin Pohoata, Ionut Topala, Rabah Boukherroub, Nicoleta Dumitrascu, <i>Copolymerization of ethylene glycol with styrene: synthesis, characterization and stability in biological media</i> , JNRDM, 26-28 May 2014, Lille, France.	Numar autori: 7 <b>0.714</b>
		<b>Subtotal punctaj:</b> <b>4.225</b>
	5. Cărți științifice publicate (doar prima ediție)	edituri academice internaționale: 100 puncte la 100 pagini / număr autori
		alte edituri internaționale: 70 puncte la 100 pagini / număr autori
		edituri academice naționale: 50 puncte la 100 pagini / număr autori
		alte edituri naționale: 20 puncte la 100 pagini / număr autori
	6. Cărți științifice traduse și publicate în edituri din străinătate	100 puncte la 100 pagini / număr autori
	7. Coordonarea și editarea de volume, traduceri și antologii	edituri academice internaționale: 60 puncte / număr autori
		alte edituri internaționale: 40 puncte / număr autori
edituri academice naționale: 30 puncte / număr autori		
alte edituri naționale: 15 puncte / număr autori		
8. Articole publicate în dicționare și enciclopedii	edituri academice	

CRITERII	DESCRIPTORI	PUNCTAJE ACORDATE
		<p>internaționale: 30 puncte / număr autori</p> <p>alte edituri internaționale: 20 puncte / număr autori</p> <p>edituri academice naționale: 15 puncte / număr autori</p> <p>alte edituri naționale: 5 puncte / număr autori</p>
	<p>9. Contracte de cercetare științifică în instituții academice (universități, institute ale Academiei Române, institute naționale de cercetare, institute de cercetare din străinătate, alte categorii de institute academice)</p>	<p>contracte internaționale – director: 100 puncte pentru fiecare 100.000 Euro</p> <p>contracte internaționale – membru: 100 puncte pentru fiecare 100.000 Euro / numărul membrilor echipei de cercetare</p>
	<p><b>9.1 Graphene Flagship Project Graphivity – ANR-15-GRFL-0003</b>  <i>(Graphene-based optoelectrochemical sensor for the simultaneous monitoring of the electrical and chemical activity of single cells)</i>            Coordonator proiect: Dr. Rabah Boukherroub (IEMN)</p> <p>Parteneri: Brains On-line (The Netherlands), International Centre of Biodynamics (Romania), The Italian Institute of Technology (Italy), Universite catholique de Louvain, University of Groningen (The Netherlands), Ruhr-Universitat Bochum (Germany)</p> <p><a href="http://www.agence-nationale-recherche.fr/Projet-ANR-15-GRFL-0003">http://www.agence-nationale-recherche.fr/Projet-ANR-15-GRFL-0003</a></p>	<p>211 856 euros = 211.856 puncte</p> <p>Parteneri : 7</p> <p><b>30.265</b></p>
		<p>contracte naționale – director: 50 puncte pentru fiecare 500.000 lei</p> <p>contracte naționale – membru: 50 puncte pentru fiecare 500.000 lei / numărul membrilor echipei de</p>

CRITERII	DESCRIPTORI	PUNCTAJE ACORDATE
		cercetare
	<p><b>9.2</b> Proiect de cercetare I.D. : 349, 2014-2016, <i>Synthesis of transient complex molecular systems in laboratory plasmas with relevance for molecular astrophysics of hot cores</i>, 96/11.12.2013</p> <p>Coordonator proiect: Dr. Ionuț Topală</p> <p><b>Asistent de cercetare pe perioada determinate de 27 luni, 01-10-2014 – 31-12-2016,</b></p>	<p>800 000 lei – <b>80 puncte</b></p> <p>Nr. membrilor echipei de cercetare: <b>6</b></p> <p><b>13.333</b></p>
		<b>Subtotal punctaj: 43.598</b>
	10. Contracte de cercetare în mediul de afaceri și sectorul public	<p>organizații internaționale: 100 puncte pentru fiecare 100.000 Euro</p> <p>firme multinaționale: 100 puncte pentru fiecare 100.000 Euro</p> <p>firme naționale: 50 puncte pentru fiecare 500.000 Euro</p> <p>organizații administrative naționale: 40 puncte pentru fiecare 500.000 Euro</p> <p>alte organizații publice de nivel național: 30 puncte pentru fiecare 500.000 Euro</p>
	11. Brevete	<p>internaționale: 100 puncte / număr de autori</p> <p>naționale: 30 puncte / număr autori</p>
	12. Citări și recenzii ale lucrărilor științifice <b>91 citări</b>	<p>reviste de specialitate din străinătate: (10 + 20 x factor de impact) / număr autori, pentru fiecare citare</p> <p>reviste de specialitate din țară: (5</p> <p><b>Subtotal punctaj: 1030.639</b></p>



CRITERII	DESCRIPTORI	PUNCTAJE ACORDATE
		+ 10 x factor de impact) / număr autori, pentru fiecare citare <hr/> monografii academice din străinătate: 50 puncte / număr autori, pentru fiecare citare <hr/> monografii academice din țară: 25 puncte / număr autori, pentru fiecare citare
	<p><b>A. Roxana Jijie</b>, Valentin Pohoata and Ionut Topala, <i>Thermal behavior of bovine serum albumin after exposure to barrier discharge helium plasma jet</i>, Applied Physics Letters, <b>101</b> (2012) 144103.</p> <p style="text-align: right;"><b>Citări: 9</b></p>	<b>118.169</b>
	<p><b>1</b> P. Bryant, P. Wetstein, S. A. Al-Bataineh, R. D. Short, J. W. Bradle, S. P. Low, L. A. Parkinson, E. J. Szili, "<i>Electrical and optical properties of a gradient microplasma for microfluidic chips.</i>" Plasma Processes and Polymers (2017). (IF = 2.846, n= 8)</p> <p><b>2.</b> Chen, X., Tan, Z., Liu, Y., Li, X., Pan, J., &amp; Wang, X. (2017). <i>Investigation on the energy spectrums of electrons in atmospheric pressure argon plasma jets and their dependences on the applied voltage.</i> Physics of Plasmas, 24(8), 083509</p> <p><b>3.</b> Liu, Z., Liu, D., Xu, D., Cai, H., Xia, W., Wang, B., Qiaosong L., Kong, M. G. (2017), <i>Two modes of interfacial pattern formation by atmospheric pressure helium plasma jet-ITO interactions under positive and negative polarity</i>, Journal of Physics D: Applied Physics, 50(19), 195203.</p> <p><b>4.</b> Tz. B. Petrova, G. M. Petrov, D. R. Boris and S. G. Walton, "<i>Non-equilibrium steady-state kinetics of He-air atmospheric pressure plasmas.</i>" Physics of Plasmas 24.1 (2017): 013501.</p> <p><b>5</b> L. Wang, Z. Yashuang and J. Shenli, "<i>Numerical study of the interaction of a helium atmospheric pressure plasma jet with a dielectric material.</i>" Physics of Plasmas 23.10 (2016): 103504. (IF = 2.588, n= 3)</p>	<p>Factor impact = <b>2.7</b>            Numar Autori = <b>8</b>  <b>8</b></p> <p>Factor impact = <b>1.941</b>            Numar Autori = <b>6</b>  <b>12.205</b></p> <p>Factor impact = <b>2.373</b>            Numar Autori = <b>8</b>  <b>7.182</b></p> <p>Factor impact = <b>1.941</b>            Numar Autori = <b>4</b>  <b>12.205</b></p> <p>Factor impact = <b>1.941</b>            Numar Autori = <b>3</b>  <b>16.273</b></p>

CRITERI I	DESCRIPTORI	PUNCTAJE ACORDATE
	<p><b>6</b> J-W Lackmann, S. Baldus, E. Steinborn, E. Edengeiser, F. Kogelheide, S. Langklotz, S. Schneider, L. I. O. Leichert, J. Benedikt, P. Awkowicz and J. E. Bandow, "A dielectric barrier discharge terminally inactivates RNase A by oxidizing sulfur-containing amino acids and breaking structural disulfide bonds" Journal of Physics D: Applied Physics 48.49 (2015): 494003 (IF = 2.588, n= 11)</p> <p><b>7</b> K. Hensel, K. Kučerová, B. Tarabová, M. Janda, Z. Machala, K. Sano, C. T. Mihai, M. Ciorpac, L. Dragos Gorgan, R. Jijie, V. Pohoata and I. Topala "Effects of air transient spark discharge and helium plasma jet on water, bacteria, cells, and biomolecules." Biointerphases 10.2 (2015): 029515. (IF = 2.603, n= 12)</p> <p><b>8.</b> Topala, Ionut, and Masaaki Nagatsu. "Capillary plasma jet: A low volume plasma source for life science applications." Applied Physics Letters 106.5 (2015): 054105. (IF = 3.411, n= 2)</p> <p><b>9</b> W. Yan, F. Liu, C. Sang and D. Wang (2014). <i>Two-dimensional modeling of the cathode sheath formation during the streamer-cathode interaction.</i> Physics of Plasmas, 21(1), 013504. (IF = 2.115, n= 4)</p>	<p>Factor impact = <b>2.373</b> Numar Autori = <b>11</b> <b>6.506</b></p> <p>Factor impact = <b>2.455</b> Numar Autori = <b>12</b> <b>4.925</b></p> <p>Factor impact = <b>3.495</b> Numar Autori = <b>2</b> <b>39.95</b></p> <p>Factor impact = <b>1.941</b> Numar Autori = <b>4</b> <b>12.205</b></p>
	<p><b>B R. Jijie</b>, C. Luca, V. Pohoata and I. Topala, <i>Effects of Atmospheric Pressure Plasma Jet on Pepsin Structure and Function</i>, IEEE Transactions On Plasma Science, 40 (11) (2012) 2980-2985. <b>Citări: 3</b></p>	<p><b>36.821</b></p>
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	<p><b>E. R. Jijie</b>, T. Dumych, L. Chengnang, J. Bouckaert, K. Turcheniuk, C. Hage, L. Heliot, B. Cudennec, N. Dumitrascu, R. Boukherroub and S. Szunerits, <i>Particle-based photodynamic therapy based on Indocyanine green modified plasmonic nanostructures for inactivation of Crohn's disease-associated Escherichia coli</i>, <i>Journal of Materials Chemistry B</i>, 4 (2016) 2598-2605.</p> <p style="text-align: right;"><b>Citări: 8</b></p>	<p style="text-align: right;"><b>136.162</b></p>
	<p><b>1.</b> M. Ribeiro, L de Melo, S. Farooq, A. Baptista, I. Kato, S. Nunez, R. de Araujo, "Photodynamic inactivation assisted by localized surface plasmon resonance of silver nanoparticles: in vitro evaluation on <i>Escherichia coli</i> and <i>Streptococcus mutans</i>." <i>Photodiagnosis and photodynamic therapy</i> (2018).</p>	<p>Factor de impact: <b>2.895</b>            Numar autori: <b>7</b>  <b>9.7</b></p>
	<p><b>2.</b> Lee, Hyejin, Soomin Han, and Younghun Kim. "Synthesis of gold-spikes decorated biomimetic silica microrod for photothermal agents." <i>Journal of Industrial and Engineering Chemistry</i> 58 (2018): 33-37.</p>	<p>Factor de impact: <b>4.841</b>            Numar autori: <b>8</b>  <b>13.352</b></p>

CRITERI I	DESCRIPTORI	PUNCTAJE ACORDATE
	<p>3. I. Maliszewska, W. Kalas, E. Wysokinska, W. Tylus, N. Pietrzyk, K. Popko, "Enhancement of photo-bactericidal effect of tetrasulfonated hydroxyaluminum phthalocyanine on <i>Pseudomonas aeruginosa</i>." Lasers in medical science (2017): 1-10.</p> <p>4. Z. Zhao, R. Yan, J. Wang, H. Wu Y. Wang, A. Chen, S. Shao, Y. Q. Li, A bacteria-activated photodynamic nanosystem based on polyelectrolyte-coated silica nanoparticles." Journal of Materials Chemistry B 5.19 (2017): 3572-3579.</p> <p>5. A. Bucharskaya, G. Maslyakova, G. Terentyuk, A. Yak "Towards effective photothermal/nan, Y. Avetisyan, O. Bibikova, E. Tuchina, B. Khlebtsov, N. Khebtsov, V. Tuchin, Towards effective photodynamic treatment using plasmonic gold nanoparticles." International journal of molecular sciences 17.8 (2016): 1295.</p> <p>6. Maliszewska, Irena, and Katarzyna Popko. "Metal and Metal Oxide Nanoparticles in Photoinactivation of Pathogens." Metal Nanoparticles in Pharma. Springer, Cham, 2017. 257-278.</p> <p>7. R. Jijie, A. Barras, J. Bouckaert, N. Dumitrascu, S. Szunerits and R. Boukherroub, Enhanced antibacterial activity of carbon dots functionalized with ampicillin combined with visible light triggered photodynamic effects, Colloids and Surfaces B: Biointerfaces, 2018, 170, 347-354.</p>	<p>Factor de impact: <b>1.949</b> Numar autori: <b>6</b> <b>8.163</b></p> <p>Factor de impact: <b>4.776</b> Numar autori: <b>8</b> <b>13.19</b></p> <p>Factor de impact: <b>3.687</b> Numar autori: <b>10</b> <b>8.374</b></p> <p>-</p> <p>Factor de impact: <b>3.997</b> Numar autori: <b>6</b> <b>14.99</b></p>
	<p>F M. Houcem, <b>R. Jijie</b>, G. Pan, D. Drider, D. Caly, J. Bouckaert, N. Dumitrascu, R. Chtourou, S. Szuneritz and R. Boukherroub, A 980 nm driven photothermal ablation of virulent and antibiotic resistant Gram-positive and Gram-negative bacteria strains using Prussian blue nanoparticles, Journal of Colloid and Interface Science, 480 (2016) 63-68. (IF: 4.233, AIS: 0.813, n = 10)</p> <p style="text-align: right;"><b>Citări: 8</b></p>	<p style="text-align: right;"><b>136.162</b></p>
	<p>1. Dacarro, G., Taglietti, A., &amp; Pallavicini, P. (2018). Prussian Blue Nanoparticles as a Versatile Photothermal Tool. Molecules, 23(6).</p> <p>2. T. Jiang, J. He, L. Sun, Y. Wang, Z. Li, Q. Wang, Y. Sun, W. Wang, M. Yu, "Highly efficient photothermal sterilization of water mediated by Prussian blue nanocages." Environmental Science: Nano (2018).</p>	<p>Factor de impact: <b>3.098</b> Numar autori: <b>3</b> <b>23.986</b></p> <p>Factor de impact: <b>6.087</b> Numar autori: <b>9</b> <b>14.637</b></p>

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	<p>3 Na Song, Y. Zhu, F. Ma, C. Wang, X. Lu, "Facile preparation of Prussian blue/polypyrrole hybrid nanofibers as robust peroxidase mimics for colorimetric detection of l-cysteine." <i>Materials Chemistry Frontiers</i> 2.4 (2018): 768-774.</p> <p>4. A. R-Futyra, J. M. Dabrowski, O.Mazuryk, K. Spiewak, A. Kyziol, B. Pucelik, M. Brindell and G. Stovhrl, "Bioinorganic antimicrobial strategies in the resistance era." <i>Coordination Chemistry Reviews</i> (2017).</p> <p>5. G. M. asturel, E. Rascol, M. Busson, S. Sevestre, J.L. K. Him, P. Bron, J. Long, J. Chopineau, J. M. Devoisselle, Y. Guari and J. Larionova, "201 Tl-labeled Prussian blue and Au@ Prussian blue nanoprobe for SPEC-CT imaging: influence of the size, shape and coating on the biodistribution." <i>Inorganic Chemistry Frontiers</i> 4.10 (2017): 1737-1741.</p> <p>6. G. Dacarro, P. Grisoli, M. Borzenkov, C. Milanese, E. Fratini, G. Ferraro, A. Taglietti, P. Pallavicini, "Self-assembled monolayers of Prussian blue nanoparticles with photothermal effect." <i>Supramolecular Chemistry</i> 29.11 (2017): 823-833.</p>	<p>-</p> <p>Factor de impact: <b>14.499</b>  Numar autori: <b>8</b>  <b>37.497</b></p> <p>Factor de impact: <b>5.106</b>  Numar autori: <b>11</b>  <b>10.192</b></p> <p>Factor de impact: <b>1.451</b>  Numar autori: <b>8</b>  <b>4.877</b></p>
	<p>7. R. Jijie, A. Barras, J. Bouckaert, N. Dumitrascu, S. Szunerits and R. Boukherroub, <i>Enhanced antibacterial activity of carbon dots functionalized with ampicillin combined with visible light triggered photodynamic effects</i>, <i>Colloids and Surfaces B: Biointerfaces</i>, 2018, 170, 347-354.</p> <p>8. Qin, Zhiguo, Yan Li, and Ning Gu. "Progress in Applications of Prussian Blue Nanoparticles in Biomedicine." <i>Advanced Healthcare Materials</i> (2018): 1800347.</p>	<p>Factor de impact: <b>3.997</b>  Numar autori: <b>6</b>  <b>14.99</b></p> <p>Factor de impact: <b>3.997</b>  Numar autori: <b>3</b>  <b>29.98</b></p>
	<p>G S. Boulahneche, <b>R. Jijie</b>, A. Barras, F. Chekin, S. K. Singh, J. Bouckaert, M. Medjram, S. Kurungot, R. Boukherroub and S. Szunerits, <i>On demand electrochemical release of drugs from porous reduced graphene oxide modified flexible electrodes</i>, <i>Journal of Materials Chemistry B</i> 5(32) (2017) 6557-6565. (IF: 4.543, AIS: 0.943, n = 10)</p> <p style="text-align: right;"><b>Citări: 3</b></p>	<p style="text-align: right;"><b>43.646</b></p>

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	<ol style="list-style-type: none"> <li>1. Y. Oz, A. Barras, R. Sanyal, R. Boukherroub, S. Szuneits and A. Sanyal, "Functionalization of Reduced Graphene Oxide via Thiol–Maleimide “Click” Chemistry: Facile Fabrication of Targeted Drug Delivery Vehicles." ACS applied materials &amp; interfaces 9.39 (2017): 34194-34203.</li> <li>2. R. Jijie, A. Barras, F. Teodorescu, R. Boukerroub and S. Szunerits, "Advancements on the molecular design of nanoantibiotics: current level of development and future challenges." Molecular Systems Design &amp; Engineering 2.4 (2017): 349-369.</li> </ol>	<p>Factor de impact: <b>8.097</b>            Numar autori: <b>6</b>  <b>28.656</b></p>
	<ol style="list-style-type: none"> <li>3. R. Jijie, A. Barras, J. Bouckaert, N. Dumitrascu, S. Szunerits and R. Boukherroub, <i>Enhanced antibacterial activity of carbon dots functionalized with ampicillin combined with visible light triggered photodynamic effects</i>, Colloids and Surfaces B: Biointerfaces, 2018, 170, 347-354. (IF: 3.887, AIS: 0.767).</li> </ol>	<p>Factor de impact: <b>3.997</b>            Numar autori: <b>6</b>  <b>14.99</b></p>
	<p>H C. Gerber, I. Mihaila, D. Hein, A. Nastuta, <b>R. Jijie</b>, V. Pohoata and I. Topala, <i>Time Behaviour of Helium Atmospheric Pressure Plasma Jet Electrical and Optical Parameters</i>. Applied Sciences 7(8) 2017, p.812.</p> <p style="text-align: right;"><b>Citări: 2</b></p>	
	<ol style="list-style-type: none"> <li>1. K. Gazeli, T. Doanh, B. Held, F. Clement, "Electrical, Thermal and Optical Parametric Study of Guided Ionization Waves Produced with a Compact <math>\mu</math>-Pulsed DBD-Based Reactor." Plasma 1.1 (2017): 3.</li> <li>2. D. Ciubotaru, C. Gerber, I. Mihaila, V. Pohoata, I. Topala, "Investigations Of A Helium Plasma Jet In Interaction With Biological Liquids." Clinical Plasma Medicine 9 (2018): 35.</li> </ol>	<p style="text-align: center;">-</p> <p style="text-align: center;">-</p>
	<p>I <b>R. Jijie</b>, A. Barras, R. Boukherroub, S. Szunerits, <i>Nanomaterials for transdermal drug delivery: beyond the state of the art of liposomal structures</i>, Journal of Materials Chemistry B, 5 (44) (2017), 8653-8675.</p> <p style="text-align: right;"><b>Citări: 2</b></p>	<p style="text-align: right;"><b>8.59</b></p>

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	<ol style="list-style-type: none"> <li>1. S. Szunerits and R. Boukherroub, <i>Heat: A highly efficient skin enhancer for transdermal drug delivery</i>, <i>Frontiers in Bioengineering and Biotechnology</i> 6 (2018): 15.</li> <li>2. Q. Gao, W. Xie, y. Wang, D. Wang, Z. Guo, F. Gao, Q. Cai, <i>A theranostic nanocomposite system based on radial mesoporous silica hybridized with Fe<sub>3</sub>O<sub>4</sub> nanoparticles for targeted magnetic field responsive chemotherapy of breast cancer</i>, <i>RSC Advances</i> 8.8 (2018): 4321-4328.</li> </ol>	<p style="text-align: center;">-</p> <p>Factor de impact: <b>2.936</b>  Numar autori: <b>8</b>  <b>8.59</b></p>
	<p>J F. Halouane<sup>1</sup>, R. <b>Jijie</b><sup>1</sup>, D. Meziane, C. Li, SK Singh, J Bouckaert, J Jurazek, S Kurungot, A Barras, M. Li, R. Boukherroub, S. Szunerits, <i>Selective isolation and eradication of E. coli associated with urinary tract infections using anti-fimbrial modified magnetic reduced graphene oxide nanoheaters</i>, <i>Journal of Materials Chemistry B</i> 5.40 (2017): 8133-8142.</p> <p style="text-align: right;"><b>Citări: 3</b></p>	<p style="text-align: center;"><b>51.922</b></p>
	<ol style="list-style-type: none"> <li>1 H. E. Karahan, C. Wiraja, C. Xu, J. Wei, W. Yilei, L. Wang, F. Liu, Y. Chen, <i>Graphene Materials in Antimicrobial Nanomedicine: Current Status and Future Perspectives</i>, <i>Advanced Healthcare Materials</i> (in press)</li> </ol>	<p>Factor de impact: <b>5.609</b>  Numar autori: <b>8</b>  <b>15.272</b></p>
	<ol style="list-style-type: none"> <li>2. Szunerits, Sabine, and Rabah Boukherroub. "Graphene-based biosensors." <i>Interface focus</i> 8.3 (2018): 20160132.</li> </ol>	<p>Factor de impact: <b>3.165</b>  Numar autori: <b>2</b>  <b>36.65</b></p>
	<ol style="list-style-type: none"> <li>3. J. Song, F. Zhang, Y. Huang, A. Keller, X. Tang, W. Zhang, W. Jia, J. Santos, "Highly efficient bacterial removal and disinfection by magnetic barium phosphate nanoflakes with embedded iron oxide nanoparticles." <i>Environmental Science: Nano</i> (2018) in press.</li> </ol>	<p>Factor de impact: <b>6.087</b>  Numar autori: <b>8</b>  <b>16.467</b></p>
	<p>K F. Chekin, A. Vasilescu, <b>R. Jijie</b>, S. Singh, S. Kurungot, M. Iancu, G. Badea, R. Boukherroub, S. Szunerits, <i>Sensitive electrochemical detection of cardiac troponin I in serum and saliva by nitrogen-doped porous reduced graphene oxide electrode</i>, <i>Sensors and Actuators B: Chemical</i> 262(2018) 180-17.</p> <p style="text-align: right;"><b>Citări: 1</b></p>	<p style="text-align: center;"><b>61.09</b></p>

CRITERI I	DESCRIPTORI	PUNCTAJE ACORDATE
	1. S. Szunerits and R. Boukherroub, <i>Graphene Based Bioelectrochemistry and Bioelectronic: a concept for the future</i> , Advanced Healthcare Materials (in press)	Factor de impact: <b>5.609</b> Numar autori: <b>2</b> <b>61.09</b>
	L F. Chekin, K. Bagga, P. Subramanian, <b>R. Jijie</b> , S. Kurungot, R. Boukherroub, S. Szunerits <i>Nucleic aptamer modified porous reduced graphene oxide/ MoS2 based electrodes for viral detection: Application to human papillomavirus</i> , Sensors and Actuators B: Chemical 262(2018) 991-1000. <b>Citări: 1</b>	-
	1. Cataldo, Rosella, Maria Leuzzi, and Eleonora Alfinito. <i>"Modelling and development of electrical aptasensors, 2 a short review 3."</i> high temperature 1 (2018): 43.	-
	M K. Kanlouche <sup>1</sup> , <b>R. Jijie</b> <sup>1</sup> , I Hosu, A. Barras, T. Gharbi, R. Yahiaoui, G. Herlem, M. Ferhat, S. Szunerits, R. Boukherroub, Controlled modification of electrochemical microsystems with polyethylenimine/reduced graphene oxide using electrophoretic deposition: Sensing of dopamine levels in meat samples, Talanta 178 (2018): 432-440. <b>Citări: 1</b>	
	1. A. Kowalczyk, J. P. Sek, A. Kasprza, M Poplawska, I. P. Grudinski, A. M. Nowicka, <i>"Occlusion phenomenon of redox probe by protein as a way of voltammetric detection of non-electroactive C-reactive protein."</i> Biosensors and Bioelectronics 117 (2018): 232-239.	Factor de impact: <b>8.173</b> Numar autori: <b>6</b> <b>28.91</b>
	<b>N R. Jijie</b> , A. Barras, F. Teodorescu, R. Boukherroub and S. Szunerits, <i>Advancements on the molecular design of nanoantibiotics: current level of development and future challenges</i> , Molecular Systems Design & Engineering 2.4 (2017): 349-369. <b>Citări: 1</b>	<b>14.99</b>
	1. R. Jijie, A. Barras, J. Bouckaert, N. Dumitrascu, S. Szunerits and R. Boukherroub, <i>Enhanced antibacterial activity of carbon dots functionalized with ampicillin combined with visible light triggered photodynamic effects</i> , Colloids and Surfaces B: Biointerfaces, 2018, 170, 347-354. (IF: 3.887, AIS: 0.767).	Factor de impact: <b>3.997</b> Numar autori: <b>6</b> <b>14.99</b>
	14. Profesor/cercetător invitat la universități/institute de cercetare	străinătate: 25 puncte pentru fiecare activitate țară: 10 puncte pentru fiecare activitate

CRITERII	DESCRIPTORI	PUNCTAJE ACORDATE
	<p><b>14.1) 15-21 noiembrie 2013</b> - <i>Department of Electrical and Computer Engineering, University of Cyprus</i> în cadrul Proiectului bilateral România – Cipru MEDPLASMA 2012 – 2013.</p>	<b>25</b>
	<p><b>14.1) 15-28 noiembrie 2012</b>- <i>Department of Electrical and Computer Engineering, University of Cyprus</i> în cadrul Proiectului bilateral România – Cipru MEDPLASMA 2012 – 2013.</p>	<b>25</b>
	<p><b>14.1) 24 noiembrie – 28 noiembrie 2014</b>, experiment de cercetare <i>la Institutul National de Cercetare – Dezvoltare pentru Stiinte Biologice, Bucuresti, Romania</i></p>	<b>10</b>
		<b>Subtotal punctaj: 60</b>
	<p>15. Editor/Membru în <i>Editorial Board &amp; Advisory Board</i></p>	<p>reviste cotate <i>Web of Science</i>: editor, 30 puncte pentru fiecare revistă; membru, 20 puncte pentru fiecare revistă</p>
		<p>reviste internaționale și alte reviste ale Universității: editor, 15 puncte pentru fiecare revistă; membru, 10 puncte pentru fiecare revistă</p>
<p>16. Premii internaționale obținute printr-un proces de selecție</p>	<p>100 puncte / categorie / număr persoane</p>	
<p><b>16.1 ICPAM-9 Prize</b> pentru lucrarea: <i>“Application of spectroscopic techniques for studying the effects of non-thermal plasma on biomacromolecules”</i>, prezentată în cadrul sesiunii de postere a celei de a IX-a International Conference on Physics of Advanced Materials (ICPAM-9), 20-23 septembrie 2012, Iași, România (<a href="https://mail.uaic.ro/~icpam/awards.php">https://mail.uaic.ro/~icpam/awards.php</a>)</p>	<b>100</b>	
<p>17. Premii ale Academiei Române</p>	<p>50 puncte / categorie / număr persoane</p>	



CRITERII	DESCRIPTORI	PUNCTAJE ACORDATE
I	18. Alte premii naționale ale instituțiilor culturale	20 puncte / categorie / număr persoane
	<b>18.1 Bursa Guvernului Francez (2013)</b> - bursa de studiu de 12 luni în Franța, repartizate în decursul a trei ani, în vederea realizării tezei de doctorat în cotutelă	<b>Nr. persoane: 1 20</b>
	<b>18.2 Premiul al II – lea</b> pentru lucrarea: „ <i>Optical properties study of human skin in the UV-Vis spectral range</i> ” prezentată în cadrul sesiunii de postere a celei de a XLI-a Conferințe Naționale Fizica și Tehnologiile Educaționale Moderne (FTEM), 19 Mai 2012, Iași, România.	<b>Nr. persoane: 2 10</b>
	<b>18.3 Premiul de excelență (2017)</b> – pentru performanțe academice deosebite pe parcursul studiilor universitare de doctorat oferit de către Universitatea „Alexandru Ioan Cuza” din Iași.	<b>Nr. persoane: 1 20</b>
		<b>Subtotal punctaj: 150</b>
I	19. Participări la manifestări științifice	<p>internaționale:</p> <p>președinte comitet organizare/consiliu științific, 25 puncte pentru fiecare activitate; membru comitet organizare/consiliu științific, 15 puncte pentru fiecare activitate; moderator de panel, 15 puncte pentru fiecare activitate; raportor pe secțiuni/paneluri, 10 puncte pentru fiecare activitate</p>
	<p><b>Membru comitet de organizare:</b></p> <p><b>19.1</b> LOC Members from Alexandru Ioan Cuza University of Iasi - Proceedings of The XXXII International Conference on Phenomena in Ionized Gases – ICPIG (26 – 31 July 2015), Iasi, Romania (<a href="http://icpig2015.net">icpig2015.net</a> - Committees)</p>	<b>25</b>



CRITERI I	DESCRIPTORI	PUNCTAJE ACORDATE
	<p align="center"><b>19.2</b> 10<sup>th</sup> International Conference on Global Research and Education, inter-Academia (26 – 29 September 2011), Sucevița, România</p>	<b>25</b>
	<p><b>1. R. Jijie</b>, I. Topala, G. Rusu, M. Dobromir, V. Pohoata, N. Dumitrascu, <i>Atmospheric pressure plasma treatments of protein films and powders</i>, 10th International Conference on Global Research and Education (inter-Academia), 26-29 September 2011, Sucevita, Romania (poster).</p> <p><b>2. R. Jijie</b>, G. Bogdan Rusu, I. Topala, V. Pohoata and N.Dumitrascu, <i>Study of protein aggregation and enzymatic activity after exposure to dielectric barrier plasma jet in helium</i>, 4th International Conference on Plasma Medicine, Orléans, France, from June 17 to June 21, 2012 (poster).</p> <p><b>3. I. Topala</b>, A. Nastuta, <b>R. Jijie</b>, V. Pohoata, N. Dumitrascu, <i>Temporal kinetics of light emission from plasma at the interface with animal tissues</i>, 4th International Conference on Plasma Medicine, Orléans, France, from June 17 to June 21, 2012 (poster).</p> <p><b>4. R. Jijie</b>, V. Pohoata and I. Topala, <i>Rayleigh scattering study of bovine serum albumin thermal aggregation after exposure to barrier discharge helium plasma jet</i>, 11th International Conference on Global Research and Education (inter-Academia), 27-30 August 2012, Budapest, Hungary (prezentare orală).</p> <p><b>5. R. Jijie</b>, V. Pohoata and I. Topala, <i>Application of spectroscopic techniques for studying the effects of non-thermal plasma on biomacromolecules</i>, 9<sup>th</sup> International Conference On Physics Of Advanced Materials (ICPAM-9), 20-23 September 2012,</p>	<p align="center"><b>10</b></p> <p align="center"><b>10</b></p> <p align="center"><b>10</b></p> <p align="center"><b>10</b></p> <p align="center"><b>10</b></p>

CRITERI I	DESCRIPTORI	PUNCTAJE ACORDATE
	<p>Iasi, Romania (poster).</p> <p><b>6. R. Jijie</b>, V. Pohoata and I. Topala, <i>Modification of protein properties in aqueous solutions by direct helium plasma treatment</i>, 16<sup>th</sup> International Conference on Plasma Physics and Applications (CPPA), 20-25 June 2013, Magurele, Bucharest, Romania (poster).</p> <p>7. Demeter, C. Lazarou, <b>R. Jijie</b>, A. V. Nastuta, V. Pohoata, I. Mihaila, G. Georghiou, I. Topala, <i>Experimental investigation and modeling of atmospheric pressure helium plasma jet for direct treatment of living tissues</i>, 16<sup>th</sup> International Conference on Plasma Physics and Applications (CPPA), 20-25 June 2013, Magurele, Bucharest, Romania (prezentare orală).</p> <p><b>8. R. Jijie</b>, A. Demeter, V. Pohoata and I. Topala, <i>Effects of helium atmospheric pressure plasma jet on the BSA structure and thermal induced aggregation</i>, XXXI edition of the International Conference on Phenomena in Ionized Gases (ICPIG), 14-19 July 2013, Granada, Spain (poster).</p> <p>9. K Hensel, M. Janda, K. Tarabova, B. Tarabova, Z. Machala, <b>R. Jijie</b>, C. T. Mihai, L. Gorgan, I. Topala, <i>Inactivation of bacteria and cells by DC transient spark discharge</i>, 5<sup>th</sup> International Conference on Plasma Medicine (ICPM5), 18 -23 May 2014, Nara, Japan (poster: 19–P03-13).</p> <p><b>10. R. Jijie</b>, L. Curecheriu, G. Rusu, V. Pohoata, I. Topala, R. Boukherroub, N. Dumitrascu, <i>Copolymerization of ethylene glycol with styrene: synthesis, characterization and stability in biological media</i>, JNRDM, 26-28 May 2014, Lille,</p>	<p><b>10</b></p> <p><b>10</b></p> <p><b>10</b></p> <p><b>10</b></p>

CRITERI I	DESCRIPTORI	PUNCTAJE ACORDATE
	<p>France (poster).</p> <p><b>11. R. Jijie</b>, L. Curecheriu, G. Rusu, M. Dobromir, V. Pohoata, I. Topala, R. Boukherroub, N. Dumitrascu, <i>Deposition and characterization of plasma (co)polymerized films at the interface with biological medium</i>, High-Tech Plasma Processes, 22-27 June 2014, Toulouse, France (poster: PS1-19).</p> <p><b>12. R. Jijie</b>, V.Pohoată, I. Topală, N. Dumitrașcu, <i>Study of plasma polymerization process using atyrene and ethylene glycol vapors</i>, 13<sup>th</sup> International Conference on Global Research and Education (inter-Academia), 10-12 September 2014, Riga, Latvia (<i>short oral presentation of special poster session for young researchers</i>, iAY 22).</p> <p><b>13. R. Jijie</b>, V. Turcheniuk, T. Filipiak, J. Bouckaert, M. Dobromir, A. Barras, S. Szunerits, R. Boukherroub, <i>Surface Plasmon Resonance: a useful technique for studying bacteria ashesion on menthol-functionalized surfaces</i>, 10<sup>th</sup> International Conference On Physics Of Advanced Materials (ICPAM-10), 22-28 September 2014, Iasi, Romania (poster: P-9).</p> <p><b>14.</b> K. Hensel, K. Tarabova, K. Sano, B. Tarabova, M. Janda, Z. Machala, <b>R. Jijie</b>, C. T. Mihai, L. Gorgan, V. Pohoata, I. Topala, <i>DC Transient Spark Discharge in Water effects on cells, DNA, proteins and enzymes</i>, 20<sup>th</sup> Symposium on Application of Plasma Processes, SAPP XX &amp; COST TD1208 Workshop on Application of Gaseous Plasma with Liquids, 17-22 January 2015, Tatranska Lomnica, Slovakia (poster: P-35).</p> <p><b>15.</b> T. Teslaru, <b>R. Jijie</b>, I. Topala, M. Dobromir, V. Pohoata, N. Dumitrascu, <i>Stability of Polymers obtained in plasma reactors at atmospheric pressure</i>, European Winter Conference on Plasma Spectroscopy</p>	<p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p>

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	<p>(EWCPS), 22-26 February 2015, Munster, Germany (poster: FU2-PO08).</p> <p><b>16. I. Mihaila, R. Jijie, V.Pohoata, A. Nastuta, I. Rusu, I. Topala,</b> <i>Mass spectrometry diagnosis of hydrocarbon containing plasmas with relevance for molecular astrophysics of hot cores</i>, COST Action Our Astrochemical History CM1401, 25 – 29 May 2015, Prague, Czech Republic (poster – P16).</p> <p><b>17. R. Jijie,</b> T. Teslaru, M. Dobromir, V. Pohoata, I.Topala, R. Boukherroub, N. Dumitrascu, <i>Copolymerization and Water Stability of Atmospheric Pressure Plasma Polymerized Films from Allylamine and Styrene</i>, ISPC 22 – 22<sup>nd</sup> International Symposium on Plasma Chemistry, 5 – 10 July 2015, Antwerp, Belgium (poster – P-III-6-23).</p> <p>18. I. Topala, <b>R. Jijie</b>, A. Nastuta, I. Rusu, I. Mihaila and V. Pohoata, <i>Considerations on the use of atmospheric pressure plasma to generate complex molecular environments with relevance for molecular astrophysics</i>, ISPC 22 – 22<sup>nd</sup> International Symposium on Plasma Chemistry, 5 – 10 July 2015, Antwerp, Belgium (poster – P-I-2-68).</p> <p><b>19. R. Jijie</b>, T. Teslaru, M. Dobromir, V. Pohoata, I. Topala, A. Barras, R. Boukherroub, N. Dumitrascu, <i>Influence of carrier gas on the behavior of plasma polymerized polystyrene films in aqueous media</i>, International Conference on Phenomena in Ionized Gases – XXXII ICPIG, 26- -31 July 2015, Iasi, Romania (poster – P4.58).</p> <p><b>20. T. Teslaru, R. Jijie, M. Dobromir, V. Pohoata, I. Topala, V. Antoci, C.-I. Ciobanu, N. Dumitrascu,</b> On the polymerization reactions of thiophene monomers under atmospheric plasma conditions, International</p>	<p><b>10</b></p> <p><b>10</b></p> <p><b>10</b></p> <p><b>10</b></p> <p><b>10</b></p>

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	<p>Conference on Phenomena in Ionized Gases – XXXII ICPIG, 26- -31 July 2015, Iasi, Romania (poster – P3.39).</p> <p><b>21.</b> I. Mihaila, V. Pohoata, <b>R. Jijie</b>, A. Nastuta, I. Rusu, I. Topala, <i>Influence of discharge geometry on extraction of positive ion populations from atmospheric pressure plasmas</i>, International Conference on Phenomena in Ionized Gases – XXXII ICPIG, 26- -31 July 2015, Iasi, Romania (poster – P2.18).</p> <p><b>22.</b> I. Topala, K Hensel, K. Kucerova, B. Tarabova, M. Janda, Z. Machala, C. T. Mihai, L. D. Gorgan, <b>R. Jijie</b>, M. Ciorpac and V. Pohoata, <i>Cell exposure to atmospheric pressure plasmas: modification of cell cycle and molecular structure</i>, International Conference on Phenomena in Ionized Gases – XXXII ICPIG, 26- -31 July 2015, Iasi, Romania (invited presentation).</p> <p><b>23.</b> Z. Machala, K. Hensel, K. Kučerová, B. Tarabová, M. Janda, C.T. Mihai, L. Gorgan, R. Jijie, I. Topala, <i>Air transient spark discharge vs. helium plasma jet: The effects on bacteria, cells, and biomolecules</i>, Bioplasmas &amp; Plasmas with Liquids - Joint Conference of COST TD1208 ‘Electrical discharges with liquids for future applications’, Bertinoro (Italy), September 13-17, p. USB (2015).</p> <p><b>24.</b> K. Kučerová, M. Janda, Z. Machala, K. Hensel, <b>R. Jijie</b>, C.T. Mihai, L. Gorgan, I. Topala, <i>Chemical and Biological Effects of Air DC Transient Spark Discharge in Water Electrode System</i>, 6th Central European Symposium on Plasma Chemistry CESPC, Bressanone (Italy), September 6-10, p. USB (2015).</p> <p><b>25.</b> K. Turcheniuk, <b>R. Jijie</b>, J. Boukaert, N.Dumitrascu, R. Boukherroub, S. Szunerits, <i>Plasmonic nanostructures for the inactivate of</i></p>	<p><b>10</b></p> <p><b>10</b></p> <p><b>10</b></p> <p><b>10</b></p> <p><b>10</b></p>

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	<p><i>bacteria strains</i>, 2016 E-MRS Spring Meeting, Materials – Established and emerging nanocolloids/ from synthesis and characterization to applications II (invited presentation J.1.5).</p> <p><b>26. R. Jijie</b>, T. Dumych, K. Turcheniuk, C. Hage, L. Helio, N. Dumitrascu, J. Boukaert, R. Boukherroub, S. Szunerits, <i>Photodynamic inactivation of pathogenic bacteria by plasmonic nanostructures embedded with indocyanine green</i>, 2016 E-MRS Spring Meeting, Biomaterials – Multifunctional nanostructures for diagnostic and therapeutic of diseases (poster R.9.54).</p> <p><b>27. H. Maaoui, R. Jijie</b>, R. Chtourou, S. Szunerits and R. Boukherroub, <i>980-nm driven photothermal ablation of virulent and antibiotic resistant Gram- positive and Gram-negative bacteria strains</i>, 2016 E-MRS Spring Meeting, Biomaterials –Smart biointerfaces for functional biomaterials (oral presentation Q.10.2).</p> <p><b>28. D. Ciubotaru, R. Jijie</b>, V. Pohoata, I. Mihaila, A. Nastuta, M. Dobromir, I. Topala, <i>Spectroscopic studies of gas phase and deposited films in He/H<sub>2</sub>/CnH<sub>2n+2</sub> atmospheric pressure plasmas</i>, 2016, 23<sup>rd</sup> Europhysics Conference on Atomic and Molecular Physics of Ionized Gases, July 12-16, 2016, Bratislava, Slovakia (poster P03-08-01).</p> <p><b>29. I. Topala, C. Gerber, D. Hein, A. Nastuta, R. Jijie</b>, V. Pohoata, I. Mihaila, C. Mihai, L. Gorgan, <i>Atmospheric pressure plasma jets for life science</i>, 23<sup>rd</sup> Europhysics Conference on Atomic and Molecular Physics of Ionized Gases, July 12-16, 2016, Bratislava, Slovakia (invited presentation TL4).</p> <p><b>30. R. Jijie</b>, T. Teslaru, V. Pohoata, M. Dobromir, J. Bouckaert, S. Szunerits, R. Boukherroub, N. Dumitrascu, <i>Antibiofouling</i></p>	<p>10</p> <p>10</p> <p>10</p> <p>10</p> <p>10</p>

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	<p><i>properties of plasma polymerized styrene film</i>, <b>11<sup>th</sup></b> International Conference On Physics Of Advanced Materials (<i>ICPAM-11</i>), 8-14 September 2016, Cluj-Napoca, Romania (oral presentation).</p> <p><b>31. R. Jijie</b>, Delia Ciubotaru, Valentin Pohoata, Ilarion Mihaila, Andrei Vasile Nastuta, Marius Dobromir, Ionut Topala, <i>Characterization of carbonaceous deposits as interstellar dust analogs produced in hydrocarbon containing plasmas at atmospheric pressure</i>, <b>11<sup>th</sup></b> International Conference On Physics Of Advanced Materials (<i>ICPAM-11</i>), 8-14 September 2016, Cluj-Napoca, Romania (poster).</p> <p><b>32. S. Szunerits, R. Jijie, S. Boulahneche, S. K. Singh, M. S. Medjram, S. Kurungot, R. Boukherroub</b>, “<i>On demand release of antibiotics from porous reduced graphene oxide modified flexible electrodes</i>”, Symposium 3: Electrochemical Approaches to Clinical Diagnostics and Medical Devices. The 68th Annual Meeting of the International Society of Electrochemistry, 27 August to 1 September, 2017, Providence, RI, USA (<b>invited presentation</b>).</p>	<p style="text-align: center;"><b>10</b></p> <p style="text-align: center;"><b>10</b></p> <p style="text-align: center;">naționale: președinte comitet organizare/consiliu științific, 15 puncte pentru fiecare activitate; membru comitet organizare/consiliu științific, 5 puncte pentru fiecare activitate; moderator de panel, 5 puncte pentru fiecare activitate; raportor pe secțiuni/paneluri, 2 puncte pentru fiecare activitate</p>
	<p><b>19.1 Roxana Jijie</b>, Ionut Topala and Nicoleta Dumitrascu, <i>Study of Protein Thermal Denaturation using UV-VIS Spectroscopy</i>, a XL-a ediție a Conferinței Naționale Fizica și Tehnologiile Educationale Moderne (FTEM), 12 - 14 May 2011,</p>	<p style="text-align: center;"><b>2</b></p>

CRITERII	DESCRIPTORI	PUNCTAJE ACORDATE
I	<p>Iași, România (prezentare orală)</p> <p><b>19.2 Roxana Jijie</b>, Ionut Topala, Valentin Pohoata, Nicoleta Dumitrascu, <i>Studiu unor biomolecule modificate în plasmă la presiune atmosferică utilizând spectroscopia de fluorescență</i>, Conferința Științifică Studențească FARPHYS, 29 octombrie 2011, Iași, România (poster)</p> <p><b>19.3 Roxana Jijie</b>, Valentin Pohoata, Ionut Topala, <i>Study of Protein Thermal Aggregation Process by Rayleigh Scattering</i>, a XLI-a ediție a Conferinței Naționale Fizica și Tehnologiile Educationale Moderne (FTEM), 17 - 19 mai 2012, Iași, România (poster: CS-P14)</p> <p><b>19.4 Petruța-Alexandra Demeter, Roxana Jijie</b>, Ionut Topala, <i>Optical properties study of human skin in the UV-Vis spectral range</i>, a XLI-a ediție a Conferinței Naționale Fizica și Tehnologiile Educationale Moderne (FTEM), 17 - 19 mai 2012, Iași, România (poster)</p> <p><b>19.5 Chiriac Daniela-Veronica, Roxana Jijie</b>, Ionut Topala, <i>Spectroscopic study of hemoglobin after exposure to denaturing agents</i>, a XLI-a ediție a Conferinței Naționale Fizica și Tehnologiile Educationale Moderne (FTEM), 17 - 19 mai 2012, Iași, România (poster)</p> <p><b>19.7 Roxana Jijie</b>, Alexandra Demeter, Valentin Pohoata and Ionut Topala, <i>X-ray photoelectron spectroscopy study of amino acids chemical structure after exposure to helium atmospheric pressure plasma jet</i>, 12<sup>th</sup> National Conference on Biophysics “CNB 2013” - Biophysics for Health, with International Participation, 13-16 June 2013, Iasi Romania (poster)</p> <p><b>19.8 Roxana Jijie et al.</b>, <i>Modelul “Noaptea Cercetătorilor”:</i> o posibilă soluție pentru revitalizarea interesului elevilor pentru știință, a XLII-a ediție a Conferinței Naționale Fizica și Tehnologiile Educationale Moderne (FTEM), 25 – 27 octombrie 2013, Iași, România (prezentare orală)</p>	<p>2</p> <p>2</p> <p>2</p> <p>2</p> <p>2</p> <p>2</p>



CRITERI I	DESCRIPTORI	PUNCTAJE ACORDATE
	<b>19.9 Roxana Jijie</b> , Teodora Teslaru, Marian Totolin, Ionut Topala, Nicoleta Dumitrascu, <i>Effects of cleaning method on the plasma polymerized thiophene (PPT<sub>h</sub>) films surface characteristics</i> , a XLII-a ediție a Conferinței Naționale Fizica și Tehnologiile Educationale Moderne (FTEM), 25 – 27 octombrie 2013, Iași, România (poster)	<b>2</b>  <b>Subtotal punctaj: 388</b>
II. ACTIVITATEA DIDACTICĂ (30%)	1. Tratamente și manuale universitare	30 puncte la 100 pagini / număr de autori
	2. Proiecte didactice (înființare/dotare laboratoare licență, master, săli workshop, biblioteci proprii facultăților, departamentelor, laboratoarelor și grupurilor de cercetare)	40 puncte pentru fiecare activitate
	3. Materiale suport curs, seminar, lucrări practice și programe analitice detaliate	10 puncte pentru fiecare activitate
	4. Organizare de aplicații și practică de specialitate	5 puncte pentru fiecare activitate
		<b>Total: 2337.9</b>

20/07/2018

Dr. Roxana Jijie