

Numele și prenumele: **Gabriela Borcia**

Semnătura

Data depunerii: 14/01/2019

CRITERII	DESCRIPTORI	PUNCTAJE ACORDATE	PUNCTAJ
<b>I. ACTIVITATEA DE CERCETARE (70%)</b>	<b>1.</b> Articole științifice publicate <i>in extenso</i> în reviste cotate Web of Science cu factor de impact	(60 puncte x factor de impact + 25) / număr autori	1,175.55
	<b>4.</b> Articole științifice publicate <i>in extenso</i> în volumele conferințelor	indexate ISI: 30 puncte / număr autori ale categorii: 5 puncte / număr autori	51.42
	<b>5.</b> Cărți științifice publicate	edituri internaționale: 70 puncte la 100 pagini / număr autori edituri naționale: 20 puncte la 100 pagini / număr autori	93.40
	<b>9.</b> Contracte de cercetare științifică în instituții academice	contracte naționale - membru 50 puncte pentru fiecare 500000 lei	121.00
	<b>12.</b> Citări și recenzii ale lucrărilor științifice	în reviste din străinătate: (10 + 20 x factor de impact) / număr autori	11,904.90
	<b>13.</b> Lucrări susținute în calitate de invitat	în străinătate: 25 puncte pentru fiecare activitate în țară: 10 puncte pentru fiecare activitate	85.00
	<b>16.</b> Premii internaționale obținute printr-un proces de selecție	100 puncte / categorie / număr persoane	100.00
	<b>19.</b> Participări la manifestări științifice	internaționale: membru comitet organizare 15 puncte pentru fiecare activitate internaționale: moderator panel 15 puncte pentru fiecare activitate	45.00
<b>TOTAL I</b>			<b>13,576.27</b>
<b>II. ACTIVITATEA DIDACTICĂ (30%)</b>	<b>1.</b> Tratatate și manuale universitare	30 puncte la 100 pagini / număr autori	144.00
	<b>2.</b> Proiecte didactice (dotare laboratoare licență, master)	40 puncte pentru fiecare activitate	160.00
	<b>3.</b> Materiale suport curs, seminar, lucrări practice și programe analitice detaliate	10 puncte pentru fiecare activitate	215.00
	<b>4.</b> Organizare de aplicații și practică de specialitate	5 puncte pentru fiecare activitate	30.00
<b>TOTAL II</b>			<b>549.00</b>

<b>I. ACTIVITATEA DE CERCETARE (70%)</b>	<b>II. ACTIVITATEA DIDACTICĂ (30%)</b>	<b>PUNCTAJ PONDERAT</b>
<b>13,576.27</b>	<b>549.00</b>	<b>9,668.09</b>

Nr.crt.	I.4. Articole conferințe - <i>in extenso</i>	Anul	Nr. Autori	Punctaj
	Broasca, G.; Borcia, G. ; Dumitrascu, N.; Cioca, M.; Coman, D.; Ourfelli, N.; Fundamental and practical aspects concerning the characterization of smart textiles, Edited by: Bondrea, I.; Simion, C.; Inta, M.; Book Series: MATEC Web of Conferences; Volume: 121; Article Number: UNSP 01001; Published: 2017; 8th International Conference on Manufacturing Science and Education (MSE) - Trends in New Industrial Revolution; Sibiu, Romania	2017	6	5.00
	G.B. Rusu, I. Topala, C. Borcia, N. Dumitrascu, G. Borcia, "Plasma treatment effects on the processes involved in fabrics dyeing" , XXXII International Conference on Phenomena in Ionized Gases (XXXII ICPIG), Iasi, Romania, 26-31 July 2015, (4 pp format electronic "ICPIG 2015")	2015	5	1.00
	M.E. Dorneanu, M. Dobromir, C.M. Talasman, D. Buteică, G. Borcia, A.S. Chiper, "Surface modification of natural and synthetic polymers induced by pulsed atmospheric pressure plasma", XXXII International Conference on Phenomena in Ionized Gases (XXXII ICPIG), Iasi, Romania, 26-31 July 2015, (3 pp format electronic "ICPIG 2015")	2015	6	0.83
	G. Borcia, "Atmospheric pressure plasma reactors for fibers processing" , 22nd International Symposium on Plasma Chemistry (ISPC 22), 5-10 July 2015, Antwerp, Belgium (5 pp format electronic "ISPC2015_proceedings")	2015	1	5.00
	C. Borcia, I. Punga, G. Borcia, "Post-treatment stability of aromatic polymers modified by helium atmospheric-pressure plasma" , 22nd International Symposium on Plasma Chemistry (ISPC 22), 5-10 July 2015, Antwerp, Belgium, (5 pp format electronic "ISPC2015_proceedings")	2015	3	1.67
	Borcia, G.; Chiper, A. S.; Mihaila, I.; Vitelaru, C.; Popa, G., Atmospheric-pressure dielectric barrier discharge in He and He+O <sub>2</sub> for surface modification of polymers. XXX International Conference on Phenomena in Ionized Gases (30th ICPIG), August 28th – September 2nd 2011, Belfast, Northern Ireland, UK, 4 pp. on web site.	2011	5	1.00
	Borcia, G.; Rusu, I.; Borcia, C.; Dumitrascu, N., Temporal behaviour of pulsed atmospheric pressure asymmetric dielectric barrier discharge. 19th Europhysics Conference on the Atomic and Molecular Physics of Ionized Gases (19th ESCAMPIG), Granada, Spain, 15-19 July 2008, 2 pp. on CD-ROM - Published by: European Physical Society, Volume number: 32 A, ISBN 2-914771-04-5.	2008	4	1.25
	Borcia, C.; Dumitrascu, N.; Borcia, G., Atmospheric pressure plasma processing of cylindrical surfaces. 19th Europhysics Conference on the Atomic and Molecular Physics of Ionized Gases (19th ESCAMPIG), Granada, Spain, 15-19 July 2008, 2 pp. on CD-ROM - Published by: European Physical Society, Volume number: 32 A, ISBN 2-914771-04-5.	2008	3	1.67

Topala, I.; Asandulesa, M.; Borgia, G.; Dumitrascu, N., Application of natural polymers DBD treatment to painting. 19th Europhysics Conference on the Atomic and Molecular Physics of Ionized Gases (19th ESCAMPIG), Granada, Spain, 15-19 July 2008, 2 pp. on CD-ROM - Published by: European Physical Society, Volume number: 32 A, ISBN 2-914771-04-5.	2008	4	1.25
Topala, I.; Asandulesa, M.; Borgia, G.; Dumitrascu, N., Application of natural polymers DBD treatment to painting. 19th Europhysics Conference on the Atomic and Molecular Physics of Ionized Gases (19th ESCAMPIG), Granada, Spain, 15-19 July 2008, 2 pp. on CD-ROM - Published by: European Physical Society, Volume number: 32 A, ISBN 2-914771-04-5.	2008	4	1.25
Cazan, R.; Borgia, G.; Popa, G., Radial mapping of atmospheric pressure barrier discharge for surface processing. i-SUP 2008, Innovation for Sustainable Production - Bruges 22-25 April 2008, Proceedings of the first i-SUP conference, pp. 40-44.	2008	3	1.67
Topala, I.; Asandulesa, M.; Dumitrascu, N.; Borgia, G.; Popa, G., Polymerization reactions in plasma at atmospheric pressure. Proceedings of the 6th International Conference on Global Research and Education - Inter-Academia 2007 (iA) & Inter-Academia for Young Researchers Workshop (iAY), September 26-30, 2007, Hamamatsu, Japan, Vol. II, pp. 1334-1342.	2007	5	1.00
Dumitrascu, N.; Borgia, G.; Borgia, C., Control of the blood-polymer materials interface by plasma treatments. 18th International Symposium on Plasma Chemistry (ISPC 18), August 26 – 31 2007, Kyoto University, Japan, Full-Papers CD, paper00229.pdf (4 pp.), ISBN 978-4-9903773-3-5.	2007	3	1.67
Dumitrascu, N.; Borgia, G.; Borgia, C., Control of the blood-polymer materials interface by plasma treatments. 18th International Symposium on Plasma Chemistry (ISPC 18), August 26 – 31 2007, Kyoto University, Japan, Full-Papers CD, paper00229.pdf (4 pp.), ISBN 978-4-9903773-3-5.	2007	3	1.67
Borgia, C.; Borgia, G.; Dumitrascu, N., Plasma surface modification in relation to polymer properties. XXVIII International Conference on Phenomena in Ionized Gases (ICPIG), July 15-20, 2007, Prague, Czech Republic, paper in extenso on CD - Proceedings of XXVIII ICPIG, published by Institute of Plasma Physics AS CR, pp. 700-703, ISBN 978-80-87026-01-4.	2007	3	1.67
Rusu, I.A.; Borgia, G.; Sayed, S. O.; Sullivan, J. L., Ar rf plasma effect on polymer surfaces. XXVIII International Conference on Phenomena in Ionized Gases (ICPIG), July 15-20, 2007, Prague, Czech Republic, paper in extenso on CD - Proceedings of XXVIII ICPIG, published by Institute of Plasma Physics AS CR, pp. 704-707, ISBN 978-80-87026-01-4.	2007	4	1.25
Topala, I.; Borgia, G.; Dumitrascu, N.; Popa, G., Surface modification of polymers used in medicine by dielectric barrier discharge treatments. Conference on European Research in Cold Plasma Applications, 12-13 February, 2007, Iasi, Romania, pp. 87-98, ISBN 978-973-0-04933-6.	2007	4	1.25

Topala, I.; Borcia, G.; Dumitrascu, N.; Popa, G.; Surface modification of polymers used in medicine by dielectric barrier discharge treatments. Proceedings of the 5th International Conference on Global Research and Education - Inter-Academia 2006, 25 - 28 September, 2006, Iasi, Romania, Analele Stiintifice ale Universitatii "Al. I. Cuza", Supliment 2006, pp. 267-274, ISSN 1453-0759.	2006	4	1.25
Dumitrascu, N.; Borcia, G.; Pohoata, V.; Topala, I.; Asandulesa, M., Wood treatment by DBD plasma. 18th Europhysics Conference on Atomic and Molecular Physics of Ionized Gases (ESCAMPIG), July 12-16, 2006, Lecce, Italy, Europhysics Conference Abstracts, Volume 30 G, pp. 475-476, published by European Physical Society, ISBN 2-914771-38-X.	2006	5	1.00
Borcias, G.; Rusu, I.; Chiper, A.; Popa, G.; Surface modification of polymers using He+N <sub>2</sub> DBD. Proceedings of XXVII International Conference on Phenomena in Ionized Gases, July 17-22, 2005, Eindhoven, The Netherlands, 4 pp. on suport CD, ISSN 0963-0252.	2005	4	1.25
Borcias, G.; Dumitrascu, N.; Popa, G., Interaction of biological liquids with medical polymer films treated by dielectric barrier discharge. Proceedings of XXVII International Conference on Phenomena in Ionized Gases, July 17-22, 2005, Eindhoven, The Netherlands, 4 pp. on suport CD, ISSN 0963-0252.	2005	3	1.67
Borcias, G.; Dumitrascu, N.; Popa, G., Dielectric Barrier Discharge for Physico-Chemical Modification of PA-6 Films. Proceedings of the XVth International Symposium on Gas Discharges and their Applications, September 5-10, 2004, Toulouse, France, pp. 271-274.	2004	3	1.67
Borcias, G.; Dumitrascu, N.; Popa, G., Influence of DBD treatments on the surface properties of PA-6 films. Proceedings of the 17th Europhysics Conference on Atomic & Molecular Physics of Ionized Gases (ESCAMPIG), September 1-5, 2004, Constanta, Romania, pp. 267-268, ISSN 0963-0252.	2004	3	1.67
Borcias, G.; Brown, N. M. D.; Anderson, C. A., Plasma processing at atmospheric pressure using a dielectric barrier discharge (DBD). Proceedings of the 16th International Symposium on Plasma Chemistry, June 22-27, 2003, Taormina, Italy, 6 pp. on suport CD, ISSN 1093-3611.	2003	3	1.67
Borcias, G.; Dumitrascu, N.; Apetroaei, N.; Popa, G., Physico-chemical modifications of DBD treatments on polymer surfaces. Proceedings of the 16th Europhysics Conference on Atomic & Molecular Physics of Ionized Gases (ESCAMPIG), Grenoble, France, July 14-18, 2002, pp. 153-154, ISSN 0963-0252.	2002	4	1.25
Dumitrascu, N.; Borcia, G.; Apetroaei, N.; Popa, G., Immobilization of biological active species on polymer samples treated by DBD. Proceedings of 15th International Symposium on Plasma Chemistry, July 9-13, 2001, Orleans, France, vol. VI, pp. 2361 - 2366, ISSN 0033-4545.	2001	4	1.25
Dumitrascu, N.; Borcia, G.; Morariu, M.; Popa, G., AFM analysis of the roughness of some thin film materials enhanced by dielectric barrier discharge. XVth ESCAMPIG, August 26-30, 2000, Miskolc, Hungary, pp. 406 – 407, ISSN 0963-0252.	2000	4	1.25

	Borgia, G.; Arefi-Khonsari, F.; Amouroux, J.; Popa, G., Study of a helium plasma with low oxygen content applied to the surface treatment of poly(ethylene terephthalate). Proceedings of 14th International Symposium on Plasma Chemistry, August 2-6 1999, Prague, Czech Republic, vol. IV, pp. 1815 – 1820, ISSN 0033-4545.	1999	4	1.25
	Dumitrascu, N.; Borgia, G.; Pohoata, V.; Popa, G., Corona discharge treatments of PVC films used in medical applications. Proceedings of 14th International Symposium on Plasma Chemistry, August 2-6 1999, Prague, Czech Republic, vol. IV, pp. 1831 – 1836, ISSN 0033-4545.	1999	4	1.25
	Placinta, G.; Arefi-Khonsari, F.; Amouroux, J.; Popa, G., Study of plasmas in He-O <sub>2</sub> mixtures and their role on the stability of the surface properties. Proceedings of ISPC 13 – IUPAC 1997, August 1997, Pekin, China, pp. 1269 – 1274, ISSN 0272-4324.	1997	4	1.25
	Placinta, G.; Verdes, D.; Popa, G., Surface modifications of He-O <sub>2</sub> corona treated poly(ethylene terephthalate) (PET). Proceedings of the XXIII ICPIG, July 1997, Toulouse, France, vol. IV, pp. 242 – 243.	1997	3	1.67
	Placinta, G.; Arefi-Khonsari, F.; Gheorghiu, M.; Amouroux, J.; Popa, G., Surface properties and the stability of PET films treated in plasmas of He-O <sub>2</sub> mixtures. Proceeding of 11th International Colloquium on Plasma Processes, CIP '97, Le Mans, Mai 1997, pp. 105 – 108.	1997	5	1.00
	Placinta, G.; Arefi-Khonsari, F.; Gheorghiu, M.; Amouroux, J.; Popa, G., Surface properties and the stability of PET films treated in plasmas of He-O <sub>2</sub> mixtures. Proceeding of 11th International Colloquium on Plasma Processes, CIP '97, Le Mans, Mai 1997, pp. 105 – 108.	1997	5	1.00
<b>TOTAL</b>				<b>51.42</b>

<b>Nr.crt.</b>	<b>I.5. Cărți științifice publicate</b>	<b>Anul</b>	<b>Nr. pagini</b>	<b>Nr. autori</b>	<b>Punctaj</b>
1	Borgia, G., Chap. 3 X-ray photoelectron spectroscopy of polymers, in Surface properties of polymers, Vasile, C.; Pascu, M. C., Eds., 2007, pp. 91-129, Research Signpost, Kerala, India , ISBN 978-81-308-0142-1.	2007	39	1.000	27.300
2	Borgia, G., Introducere în teoria cuantică a atomului și moleculei, 2006, 318 pp., Editura Sedcom Libris, Iași, ISBN 978-973-670-183-2.	2006	318	1.000	63.600
3	Borgia, G., Dumitrascu, N., Cap. VI Tratamentele cu plasmă ale polimerilor naturali și/sau sintetici. Importanță și aplicații în domeniul medical, în Polimeri degradabili și biocompatibili, Editori: Vasile, C.; Chiriac, A. P.; Niță, L. E.; 2006, pp. 151-175, Tehnopress, Iași, ISBN 978-973-702-378-0.	2006	25	2.000	2.500
<b>TOTAL</b>					<b>93.400</b>

Nr.crt.	I.9. Contracte de cercetare științifică în instituții academice			Valoare (lei)	Punctaj
1	Director proiect, PN-II-PT-PCCA-2013-4-0325, contract de finanțare nr. 254/2014, „Adeziune și stabilitate controlată a țesăturilor tratate în plasmă pentru aplicații industriale” (CASPIA), 2014-2017			750,000.000	75.000
2	Responsabil proiect, CEEX nr. 61/2006 (Biotech), „Studiul și realizarea de tehnologii inovative bazate pe utilizarea plasmei la presiune atmosferică” (TRATPLAS), finanțat prin Centrul Național de Management Programe, 2006-2008			390,000.000	39.000
3	Director proiect, Grant CNCIS nr. 68/2004, „Aplicații în tratamente de suprafață ale unei descărcări cu barieră dielectrică (DBD) omogene în amestecuri de gaze, 2004-2005			70,000.000	7.000
<b>TOTAL</b>					<b>121.000</b>

Nr.crt.	I.13. Lucrări susținute în calitate de invitat	Anul		Punctaj
	G. Borgia, “Atmospheric pressure plasma reactors for fibers processing” , 22nd International Symposium on Plasma Chemistry (ISPC 22), 5-10 July 2015, Antwerp, Belgium, invited lecture (IN-10)	2015		25
	24. G. Popa, G. Borgia, A. Chiper, “Low temperature plasma systems used for fluid treatment”, ECO-NET Meeting, “Modern Techniques in Atmospheric Physics and Chemistry”, University of Szeged, Hungary, May 2 – 4, 2007 - invited	2007		25
	25. R. Cazan, A. Chiper, G. Borgia, G. Popa, “Tunable diode laser absorption spectrometry”, ECO-NET Meeting, “Modern Techniques in Atmospheric Physics and Chemistry”, University of Szeged, Hungary, May 2 – 4, 2007 - invited	2007		25
	G. Borgia, N. Dumitrascu, A. Chiper, G. Popa, "Surface Functionalization of Polymers Using Atmospheric Pressure Discharges". invited lecture, 13th CPPA, Iasi, Romania, October 27-29, 2005	2005		10
<b>TOTAL</b>				<b>85</b>

Nr.crt.	I.16. Premii internaționale obținute printr-un proces de selecție	Anul		Punctaj
	2008 - “3rd prize for the most cited paper in the last five years” (categoria Most cited paper award), din partea revistei Plasma Sources Science and Technology, IOP Publishing, pentru lucrarea Borgia G, Anderson CA, Brown NMD, Dielectric barrier discharge for surface treatment: application to selected polymers in film and fibre form, Plasma Sources Sci. Technol., 12 (3) (2003) 335-344	2008		100
<b>TOTAL</b>				<b>100</b>

Nr.crt.	I.19. Participări la manifestări științifice	Anul		Punctaj
	Membru comitet organizare: 16th International Conference on Global Research and Education, Inter-Academia 2017, 25-28 September, 2017, Iași, Romania	2017		15
	Moderator panel: 16th International Conference on Global Research and Education, Inter-Academia 2017, 25-28 September, 2017, Iași, Romania (Special Session for iA2017 Young Researchers)	2017		15
	Membru în comitet organizare: Conferința Internațională de Fizica Plasmei și Aplicații, Iasi, Romania, October 27-29, 2005	2005		15
<b>TOTAL</b>				<b>45</b>

Nr.crt.	II.1. Tratatate și manuale universitare	Anul	Nr. Autori	Nr. Pagini	Punctaj
	G. Borcia, Fizica atomului și moleculei, Editura Sedcom Libris, Iași, 2014, 187 pp., ISBN 978-973-670-136-8	2014	1	187	56.100
	Borcia, G., Fizica atomului și moleculei: note de curs și aplicații, 2006, 293 pp., Editura Sedcom Libris, Iași, ISBN 978-973-670-182-5.	2006	1	293	87.900
<b>TOTAL</b>					<b>144.000</b>

Nr.crt.	II.2. Proiecte didactice	Anul	Nr. Autori	Nr. Pagini	Punctaj
	Dotare laborator la cursul de master Biomateriale și Biocompatibilitate (master)	2007-2009			40.000
	Dotare laborator la cursul Metode experimentale de studiu al suprafețelor și interfețelor (master și școala doctorală)	2008-2009			40.000
	Dotare Laborator Fizica Plasmei (licență)	2008			40.000
	Dotare Laborator de cercetare - Fizica Plasmei (Școala doctorală)	2008			40.000
<b>TOTAL</b>					<b>160.000</b>

Nr. crt.	II.3. Materiale suport curs, seminar, lucrări practice și programe analitice detaliate				Punctaj
	G. Borcia - coordonator volum, Lucrări de laborator - Fizica atomului și moleculei, autori A. Chiper, C. Borcia, I. Topală, G. Borcia, Editura Universității „Alexandru Ioan Cuza” Iași, ISBN 978-606-714-090-3	2014			10.000
	G. Borcia - Lucrarea III - pp. 47-62, "Modele atomice - Modelul atomic Bohr. Determinarea lungimilor de undă ale liniilor atomilor hidrogenoizi și calcularea constantei Rydberg"	2014	1	16	10.000
	G. Borcia - Lucrarea IV - pp. 63-78, "Modele atomice - Modelarea pe calculator a densității de probabilitate pentru orbitalii atomului de hidrogen"	2014	1	16	10.000
	G. Borcia - Lucrarea V - pp. 79-90, "Structura fină a nivelurilor energetice și a liniilor spectrale - Studiul structurii fine a liniilor spectrale emise de atomul de sodiu (Na)"	2014	1	12	10.000
	G. Borcia - Lucrarea VI - pp. 91-100, "Descărcarea luminescentă - Studiul fenomenelor de excitare și ionizare într-un gaz rarefiat"	2014	1	10	10.000
	G. Borcia - Lucrarea VIII - pp. 119-132, "Spectre de rezonanță magnetică - Determinarea unor elemente de structură ale moleculelor din analiza spectrelor RMN de înaltă rezoluție"	2014	1	14	10.000
	G. Borcia - Lucrarea IX - pp. 133-142, "Proprietăți magnetice ale moleculelor - Determinarea susceptibilității magnetice și a momentului magnetic propriu al moleculelor"	2014	1	10	10.000
	G. Borcia - Lucrarea X - pp. 143-160, "Spectrele moleculelor - Analiza spectrelor de rotație și oscilație-rotație ale moleculei de acid clorhidric (HCl)"	2014	1	18	10.000
	G. Borcia - Lucrarea XI - pp. 161-172, "Spectrele moleculelor - Spectre electronice de absorbție"	2014	1	12	10.000

	G. Borcia - Lucrarea XIII - pp. 183-194, "Spectrele moleculelor - Interacțiuni intermoleculare evidențiate prin analiza spectrului electronic de absorbție"	2014	1	12	10.000
	G. Borcia - Lucrarea XIV - pp. 195-208, "Spectrele moleculelor - Analiza spectrelor în infraroșu (IR) ale moleculelor complexe"	2014	1	14	10.000
	G. Borcia - Lucrarea XV - pp. 209-224, "Simetria sistemelor atomice - Studiul elementelor de simetrie ale unor structuri moleculare"	2014	1	26	10.000
	G. Borcia, Fizica moleculei - note de curs (2015) - material suport nou curs - extensiunea Balti <a href="http://www.plasma.uaic.ro/didactica/course/">http://www.plasma.uaic.ro/didactica/course/</a>	2015	1	121	10.000
	G. Borcia, Fizica moleculei - note de curs (2015) - material suport nou seminar - extensiunea Balti, <a href="http://www.plasma.uaic.ro/didactica/course/">http://www.plasma.uaic.ro/didactica/course/</a>	2015	1	20	10.000
	G. Borcia, Polymer Physics (Master, anul II) - note de curs (2015) - material suport nou pentru curs, <a href="http://www.plasma.uaic.ro/didactica/course/view.php?id=18">http://www.plasma.uaic.ro/didactica/course/view.php?id=18</a>	2015	1	56	10.000
	G. Borcia, Polymer Physics (Master, anul II) - set referate laborator (2015) - material suport nou laborator, <a href="http://www.plasma.uaic.ro/didactica/course/view.php?id=18">http://www.plasma.uaic.ro/didactica/course/view.php?id=18</a>	2015	1	48	10.000
	G. Borcia, Metode experimentale de studiu al suprafețelor și interfețelor (Școala doctorală, anul I) – material suport curs	2008	1		10.000
	Physics of materials II (Master) - fisa disciplinei (detaliata)	2017	2		5.000
	Polymer physics (Master) - fisa disciplinei (detaliata)	2012	1		10
	Introducere în Fizica polimerilor (Master) - programa analitica	2007	1		10
	Materiale polimere cu proprietăți speciale (Master) - programa analitică	2007	1		10
	Ciocniri atomice și moleculare (Master, anul II, Specializarea Fizica plasmelor) - programa analitică	2005	1		10.000
<b>TOTAL</b>					<b>215.000</b>

Nr.crt.	II.4. Organizare de aplicații și practică de specialitate	Anul			Punctaj
1	Participare la activitatea "Porti deschise" - laborator Fizica atomului/Fizica plasmelor - 2012-2017	2012-2017			30
<b>TOTAL</b>					<b>30.000</b>



## Citări în reviste cotate ISI

	Articol (informatii complete)	Anul aparitiei articolului	Nr. Autori	Impact ISI	Calcul punctaj articol	Calcul punctaj citari ISI
	Citarile articolului respectiv	Anul aparitiei articolului care citeaza			(25+60*ISI_impact_articol)/Nr. Autori	(10+20*ISI_impact_citare)/Nr. Autori
1	Rusu, G. B.; Topala, I.; Borgia, C.; Dumitrascu, N.; Borgia, G., Effects of Atmospheric-Pressure Plasma Treatment on the Processes Involved in Fabrics Dyeing. <i>Plasma Chemistry and Plasma Processing</i> 2016, 36, 341-354.	2016	5	1.811	26.732	
1	Nastuta, A. V.; Pohoata, V.; Mihaila, I.; Topala, I., Diagnosis of a short-pulse dielectric barrier discharge at atmospheric pressure in helium with hydrogen-methane admixtures. <i>Physics of Plasmas</i> 2018, 25 (4).	2018	5	1.941		9.764
2	Oliveira, F. R.; Steffens, F.; de Holanda, P. S. B.; do Nascimento, J. H. O.; Matsui, K. N.; Souto, A. P., Physical, Chemical and Morphological Characterization of Polyamide Fabrics Treated with Plasma Discharge. <i>Materials Research-Ibero-American Journal of Materials</i> 2017, 20, 60-68.	2017	5	1.103		6.412
2	Borgia, C.; Punga, I. L.; Borgia, G., Surface properties and hydrophobic recovery of polymers treated by atmospheric-pressure plasma. <i>Applied Surface Science</i> 2014, 317, 103-110.	2014	3	2.711	62.5533	
1	Barnes, B. K.; Das, K. S., Resistance Switching and Memristive Hysteresis in Visible-Light-Activated Adsorbed ZnO Thin Films. <i>Scientific Reports</i> 2018, 8.	2018	3	4.122		30.8133
2	Kelar, J.; Shekargoftar, M.; Krumpolec, R.; Homola, T., Activation of polycarbonate (PC) surfaces by atmospheric pressure plasma in ambient air. <i>Polymer Testing</i> 2018, 67, 428-434.	2018	3	2.247		18.3133
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24	Morent, R.; De Geyter, N.; Gengembre, L.; Leys, C.; Payen, E.; Van Vlierberghe, S.; Schacht, E., Surface treatment of a polypropylene film with a nitrogen DBD at medium pressure. <i>European Physical Journal-Applied Physics</i> 2008, 43 (3), 289-294.	2008	3	0		3.33333
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32	<b>Gheorghiu, M.; Arefi, F.; Amouroux, J.; Placinta, G.; Popa, G.; Tatouliau, M., Surface cross linking and functionalization of poly(ethylene terephthalate) in a helium discharge. <i>Plasma Sources Science &amp; Technology</i> 1997, 6 (1), 8-19.</b>	1997	6	1.606	20.2267	
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9	Perez-Roldan, M. J.; Debarnot, D.; Poncin-Epaillard, F., Processing of plasma-modified and polymer-grafted hydrophilic PET surfaces, and study of their aging and bioadhesive properties. <i>Rsc Advances</i> 2014, <b>4</b> (59), 31409-31415.	2014	6	3.84		14.4667
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11	Drobota, M.; Aflori, M.; Stoica, I.; Doroftei, F., SURFACE CHARACTERIZATION OF AMINE FUNCTIONALIZED PET FILMS AFTER COLLAGEN IMMOBILIZATION. <i>Revue Roumaine De Chimie</i> 2013, <b>58</b> (2-3), 203-207.	2013	6	0.393		2.97667
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23	Almazan-Almazan, M. C.; Paredes, J. I.; Perez-Mendoza, M.; Dominco-Garcia, M.; Lopez-Garzon, F. J.; Martinez-Alonso, A.; Tascon, J. M. D., Surface characterisation of plasma-modified poly(ethylene terephthalate). <i>Journal of Colloid and Interface Science</i> 2006, 293 (2), 353-363.		6	0		1.66667	
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25	Chiper, A. S.; Apetroaei, N.; Popa, G., Correlation between surface modifications induced on PET/TiO2 sample by DBD plasma produced in He/N-2 gas mixture and plasma parameters. <i>Journal of Optoelectronics and Advanced Materials</i> 2005, 7 (5), 2561-2570.		6	0		1.66667	
26	Hwang, Y. J.; Matthews, S.; McCord, M.; Bourham, M., Surface modification of organic polymer films treated in atmospheric plasmas. <i>Journal of the Electrochemical Society</i> 2004, 151 (7), C495-C501.		6	0		1.66667	
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29	Dumitrascu, N.; Balau, T.; Tasca, M.; Popa, G., Corona discharge treatment of the plastified PVC films obtained by chemical grafting. <i>Materials Chemistry and Physics</i> 2000, 65 (3), 339-344.		6	0		1.66667	
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TOTAL						1175.547	11904.94