

**Gradul de îndeplinire a standardelor minimale pentru obtinerea atestatului de abilitare
 in domeniul de studii universitare de doctorat *Ingineria Produselor Alimentare*
 Comisia 14: Ingineria resurselor vegetale si animale, conform OM 6560/2012**

Centralizare domeniu de activitate

Conditii minimale A naționale conform OM 6129 din 20.12.2016 Comisia 14: Ingineria resurselor vegetale si animale			
Nr.	Domeniu de activitate (A)	PUNCTAJ Necesar	PUNCTAJ Realizat
A1	Activitatea didactica / profesionala	Minim 100	158,7
A2	Activitatea de cercetare	Minim 260	485,622
A3	Recunoasterea impactului activitatii	Minim 40	531,04
Total (A)		Minim 400 puncte	1175,362 puncte

Centralizare necesar categorii de activitati pentru fiecare domeniu de activitate

Conditii minimale obligatorii pe subcategorii				Necesar	Realizat
A1	1.1. Carti si capitole in carti de specialitate	1.1.1. Carti cu ISBN/capitole ca autor	1.1.1.2. nationale	Minim 2 ca prim-autor; cel puțin o lucrare în ultimii 5 ani sau după ultima promovare	4 din care 3 prim-autor și 1 în ultimii 5 ani
	1.2. Suport didactic	1.2.1. Manuale, suport de curs	0	4	
		1.2.2. Indrumare de laborator/aplicatii	0	5	
A2	2.1. Articole in reviste cotate ISI Thomson Reuters si in volume indexate ISI proceedings			Minim 6	14
	2.2. Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internaționale			Minim 15	15
	2.3. Proprietate intelectuala, brevete de inventie, tehnologii si produse omologate	2.3.1. Internationale		0	1
		2.3.2. Nationale		0	2
	2.4. Granturi/proiecte castigate prin competitie inclusiv proiecte de cercetare/consultanta (valoarea de minim 10000 euro echivalent)	2.4.1. Director responsabil		Minim 2	4
2.4.2. Membru in echipa		0	10		
A3	3.1. Citari in reviste ISI si BDI	3.1.1. ISI		0	163
		3.1.2. BDI		0	4
	3.2. Prezentrari invitate in plenul unor manifestari stiintifice nationale si internationale si profesor invitat (exclusiv Erasmus)	3.2.1. Internationale		0	1
				0	
	3.3. Membru in colectivele de redactie sau comitete stiintifice al	3.3.1. Recenzor pentru reviste ISI		0	25
		3.3.2. Recenzor pentru reviste BDI		0	13

revistelor si manifestarilor stiintifice, recenzor pentru reviste si manifestari stiintifice nationale si internationale	3.3.3. Nationale si internationale neindexate	0	0
3.4. Experienta de management	3.4.2. Membru organisme de conducere	0	1 an 9 ani

Centralizare indicatori punctaj pentru fiecare domeniu de activitate

				Indicatori (kpi)	
A1	1.1. Carti si capitole in carti de specialitate	1.1.1. Carti/capitole ca autor	1.1.1.2. nationale	68,4	
	1.2. Suport didactic	1.2.1. Manuale, suport de curs		72	
		1.2.2. Indrumare de laborator/aplicatii		18,3	
	TOTAL A.1.				158,7
A2	2.1. Articole in reviste cotate ISI Thomson Reuters si in volume indexate ISI proceedings			157,26	
	2.2. Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale			61,67	
	2.3. Proprietate intelectuala, brevete de inventie, tehnologii si produse omologate	2.3.1. Internationale		1,538	
		2.3.2. Nationale		7,153	
	2.4. Granturi/proiecte castigate prin competitie inclusiv proiecte de cercetare/consultanta (valoare de minim 10000 euro echivalent)	2.4.1. Director responsabil		190,00	
		2.4.2. Membru in echipa		68,00	
TOTAL A.2.				485,622	
A3	3.1. Citari in reviste ISI sau BDI	3.1.1. ISI		249,04	
		3.1.2. BDI		7	
	3.2. Prezentari invitate in plenul unor manifestari stiintifice nationale si internationale si profesor invitat (exclusiv Erasmus)	3.2.1. Internationale		10	
		3.3. Membru in colectivele de redactie sau comitete stiintifice al revistelor si manifestarilor stiintifice, recenzor pentru reviste si manifestari stiintifice nationale si internationale	3.3.1. Recenzor pentru reviste ISI		180
			3.3.2. Recenzor pentru reviste BDI		65
	3.3.3. Nationale si internationale neindexate		0		
	3.4. Experienta de management	3.4.2. Membru organisme de conducere		20	
	TOTAL A.3.				531,04

A1. Activitatea didactica si profesionala**1.1. Carti si capitole în cărți de specialitate****1.1.1. Carti cu ISBN/capitole ca autor****1.1.1.2. Nationale**

Nr.	Autori	Titlu	Editura	Indicator
1	Anca Peter	<i>Principii și metode clasice și moderne de conservare a alimentelor - Anexa 0.1.</i>	Editura U.T.Press Cluj Napoca, ISBN 978-606-737-220-5, 127 p, 2017	25,4
2	Camelia Nicula, Anca Peter	<i>400 de itemi grila pentru biochimie - Anexa 0.2.</i>	Editura Risoprint Cluj Napoca, ISBN: 978-973-53-1449-1, 71p., 2014	7,1
3	Anca Peter, Camelia Nicula	<i>Chimia compusilor cu functiuni multiple prezenti in alimente - Anexa 0.3.</i>	Editura Risoprint Cluj Napoca, ISBN: 978-973-53-0530-7, 201 p, 2011	20,1
4	Anca Peter, Virginia Danciu	<i>Aerogeluri pe baza de TiO₂ cu aplicatii la depoluarea mediului - Anexa 0.4.</i>	Editura Risoprint, Cluj-Napoca, ISBN: 978-973-53-0353-2, 158 p, 2010	15,8
Total 1.1.				68,4

1.2. Suport didactic**1.2.1. Manuale, suport de curs**

Nr.	Suport de curs pentru disciplinele:	Indicator
1	Chimia alimentelor (222 pagini) (http://chimie-biologie.ubm.ro/peter_anca.html)	27,75
2	Chimie analitica cantitativa (52 pagini) (http://chimie-biologie.ubm.ro/peter_anca.html)	6,5
3	Nanotehnologii (206 pagini) (http://chimie-biologie.ubm.ro/peter_anca.html)	25,75
4	Principii si metode de conservare a produselor alimentare (96 pagini) (http://chimie-biologie.ubm.ro/peter_anca.html)	12
Total 1.2.1.		72

1.2.2. Indrumare de laborator/aplicatii

Nr.	Autori	Titlu	Editura	Indicator
1	Anca Peter, Camelia Nicula, Adriana Ambrus	<i>Chimia alimentelor - caiet de laborator pentru studenti - Anexa 0.5</i>	Editura Risoprint Cluj Napoca, ISBN: 978-973-53-0507-9, 83 p., 2011	3,45
2	G. Oprea, A.Peter, C. Varga, I. Dunca, C. Mihali	<i>Indrumator pentru lucrari practice de chimie fizica si coloidala - Anexa 0.6</i>	Ed. Risoprint, Cluj Napoca, ISBN: 973-751-384-3, 159 p., 2006	3,97
3	Adriana Ambruş, Anca Peter, Claudia Drinkal	<i>Lucrări practice de chimie organică - Anexa 0.7</i>	Editura Risoprint, Cluj Napoca, ISBN: 973-656-517-3, 104 p., 2004	4,33
4	Camelia Varga, Anca Peter, Adriana Ambruş, Ioana Dunca	<i>Lucrări practice de biochimie, partea a II-a - Anexa 0.8</i>	Editura Risoprint, Cluj Napoca, ISBN: 973-656-594-3, 116 p, 2004	3,62
5	Camelia Varga, Anca Peter, Adriana Ambruş, Ioana Dunca,	<i>Lucrări practice de biochimie, partea I - Anexa 0.9</i>	Editura Risoprint, Cluj Napoca, ISBN: 973-656-503-3, 94 p, 2003	2,93
Total 1.2.2.				18,3
Total 1.2.				90,3
TOTAL A.1.				158,7

A.2. Activitatea de cercetare**2.1. Articole in reviste cotate ISI Thomson Reuters si in volume indexate ISI proceedings****Articole ISI specifice domeniului: Resurse vegetale si animale**

Nr.	Autori	Titlu	FI (WOS)	Indicator
1	A. Mihaly Cozmuta, A. Peter, C. Nicula, L. Mihaly Cozmuta	Assessment of the effective antioxidant activity of edible films taking into account films–food simulants and films – environment interactions. Packaging Technology and Science 30 (1-2) (2017), 3–20 http://apps.webofknowledge.com/full_record.do?product=WOS	1,292	12.710

		&search_mode=AuthorFinder&qid=2&SID=R2cgnMuERa8VLHVIZdL&page=1&doc=1		
2	A. Mihaly Cozmuta, L. Mihaly Cozmuta, A. Peter , C. Nicula, Z. Vosgan, L. Giurgiulescu, A. Vulpoi, M. Baia	Effect of monochromatic Far-Red light on physical-nutritional-microbiological attributes of red tomatoes during storage, <i>Scientia Horticulturae</i> 211 (2016) 220–230 - zona rosie http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=14&SID=R2cgnMuERa8VLHVIZdL&page=1&doc=3	1,538	6.970
3	A. Peter , L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, C. Nicula, W. Ziemkowska, D. Basiak, V. Danciu, A. Vulpoi, L. Baia, A. Falup, G. Craciun, A. Ciric, M. Begea, C. Kiss, D. Vatuiu	Changes in the microbiological and chemical characteristics of white bread during storage in paper packages modified with Ag/TiO ₂ -SiO ₂ , Ag/N-TiO ₂ or Au/TiO ₂ , <i>Food Chemistry</i> 197 (2016) 790–798. - zona rosie http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=21&SID=R2cgnMuERa8VLHVIZdL&page=1&doc=4	4,052	14.139
4	A. Mihaly Cozmuta, A. Peter , L. Mihaly Cozmuta, C. Nicula, L. Crisan, L. Baia, A. Turila	Active packaging system based on Ag/TiO ₂ nanocomposite used for extending the shelf life of bread. <i>Chemical and microbiological investigations, Packaging technology and science</i> , 28, 271–284 (2015). - zona galbena http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=25&SID=R2cgnMuERa8VLHVIZdL&page=1&doc=10	1,292	7.263
5	A. Mihaly Cozmuta, A. Turila, R. Apjok, A. Ciocian, L. Mihaly Cozmuta, A. Peter , C. Nicula, N. Galić, T. Benković	Preparation and Characterization of Improved Gelatin Films Incorporating Hemp and Sage Oils, <i>Food Hydrocolloids</i> , 49, 144-155 (2015). - zona rosie http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=29&SID=R2cgnMuERa8VLHVIZdL&page=1&doc=8	3,858	11.351
6	A. Peter , L. Mihaly Cozmuta, A. Mihaly Cozmuta, C. Nicula, E. Indrea, L. Barbu - Tudoran	Testing the preserving activity of Ag-TiO ₂ -Fe and TiO ₂ composites included in the polyethylene during the orange juice storage, <i>Journal of Food Process Engineering</i> , 37(6), 596-608 (2014). http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=33&SID=R2cgnMuERa8VLHVIZdL&page=2&doc=12	0,675	12.833
7	R. Apan, A. Mihaly Cozmuta, A. Peter , C. Nicula, L. Mihaly Cozmuta,	Nano food packages: from food preservation efficiency no consumer legal protection, <i>Amfiteatru Economic</i> , XVI(36), 397-415 (2014). - zona galbena http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=43&SID=R2cgnMuERa8VLHVIZdL&page=1&doc=1	0	5.000
8	E.N.Bakatula, E.M. Cukrowska, I.M. Weiersbye, L. Mihaly-Cozmuta, A. Peter , H. Tutu,	Biosorption of trace elements from aqueous systems in gold mining sites by the filamentous green algae (<i>Oedogonium sp.</i>), <i>Journal of Geochemical Exploration</i> , 144, 492–503 (2014). - zona galbena http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=33&SID=R2cgnMuERa8VLHVIZdL&page=2&doc=13	2,747	13.323
9	A. Peter , L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, C. Nicula, E. Indrea, H. Tutu	Calcium and ammonium ion-modification of zeolit amendments affects the metal-uptake of <i>Hieracium piloselloides</i> on a dose-dependent way, <i>Journal of Environmental Monitoring</i> , 14, 2807-2814 (2012). - zona galbena http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=33&SID=R2cgnMuERa8VLHVIZdL&page=2&doc=17	2,085	22.233
10	A. Peter , C. Nicula, A. Mihaly-Cozmuta, L. Mihaly-Cozmuta, E. Indrea	Chemical and sensory changes of different dairy products during storage in packages containing nanocrystallised TiO ₂ , <i>International Journal of Food Science and Technology</i> , 47(7), 1448-1456 (2012) - zona galbena http://apps.webofknowledge.com/full_record.do?product=WOS	1,240	19.920

		&search_mode=AuthorFinder&qid=33&SID=R2cgnMuERa8V LHVIZdL&page=2&doc=18		
11	A. Mihaly Cozmuta, L. Bretan, L. Mihaly Cozmuta, C. Nicula, A. Peter	Lead traceability along soil-melliferous flora-bee family-apiary products chain, Journal of Environmental Monitoring, 14(6), 1622-1630 (2012). - zona galbena http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=33&SID=R2cgnMuERa8V LHVIZdL&page=2&doc=19	2,085	13.340
12	M. Marian, A. Peter , L. Mihaly-Cozmuta, E. Bakatula	Increased survival chances of the species Quercus petraea in terms of pollution with Cd and Cu by using microbiota-bentonite systems, Carpathian Journal of Earth and Environmental Sciences, 7(1), 231 - 237 (2012). http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=33&SID=R2cgnMuERa8V LHVIZdL&page=3&doc=21	1,495	13.725
13	A. Peter , C. Nicula, A. Mihaly-Cozmuta, L. Mihaly-Cozmuta, E. Indrea, V. Danciu, H. Tutu, E. Bakatula Nsimba,	Efficiency of amendments based on zeolite and bentonite in reducing the accumulation of heavy metals in tomato organs (<i>Lycopersicon esculentum</i>) grown in polluted soils, African journal of agricultural research, 6(21), 5010-5023 (2011).	0	0
14	C. Varga (Nicula), M. Marian, A. Peter , D. Boltea, L. Mihaly-Cozmuta, E. Nour	Strategies of heavy metal uptake by Phaseolus vulgaris seeds growing in metalliferous and non-metalliferous areas, Studia Universitatis Babeş-Bolyai, Chemia, LIV(3), 223-234 (2009). http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=33&SID=R2cgnMuERa8V LHVIZdL&page=3&doc=28	0,086	4.453

Articole ISI care constituie suportul pentru prepararea și testarea ambajelor alimentare active și care au ca direcție de cercetare: Prepararea și caracterizarea materialelor active (compozite semiconductoare activate de radiație UV și Vis) utilizate la obținerea ambalajelor alimentare active

Nr.	Autori	Titlu	FI (WOS)	Indicator
15	Anca Peter , Anca Mihaly-Cozmuta, Camelia Nicula, Leonard Mihaly-Cozmuta, Agnieszka Jastrzębska, Andrzej Olszyna, Lucian Baia	UV Light-Assisted Degradation of Methyl Orange, Methylene Blue, Phenol, Salicylic Acid, and Rhodamine B: Photolysis Versus Photocatalysis, Water Air Soil Pollut (2017) 228: 41. doi:10.1007/s11270-016-3226-z http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=33&SID=R2cgnMuERa8V LHVIZdL&page=1&doc=2	1,551	0
16	I. Lázár, J. Kalmár, A. Peter , A. Szilágyi, E. Gyori, T. Ditrói, I. Fábíán	Photocatalytic performance of highly amorphous titania-silica aerogels with mesopores: The adverse effect of the in situ adsorption of some organic substrates during photodegradation, Applied Surface Science 356 (2015) 521-531 - zona galbena http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=33&SID=R2cgnMuERa8V LHVIZdL&page=1&doc=6	3,159	0
17	A. Peter , L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, C. Nicula, C. Cadar, A. Jastrzębska, P. Kurtycz, A. Olszyna, A. Vulpoi, V. Danciu, T. Radu, L. Baia	Silver functionalized titania-silica xerogels: Preparation, morphostructural and photocatalytic properties, kinetic modeling, Journal of Alloys and Compounds 648 (2015) 890-902. - zona galbena http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=33&SID=R2cgnMuERa8V LHVIZdL&page=1&doc=7	3,014	0
18	A. Peter , L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, C. Nicula, A. Jastrzębska, P. Kurtycz, A. Olszyna	Morphology, structure, and photoactivity of two types of graphene oxide-TiO ₂ composites, Chemical Papers 69 (6) 839-855 (2015). http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=33&SID=R2cgnMuERa8V LHVIZdL&page=1&doc=9	1,326	0

19	A. Peter, L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, C. Nicula, L. Barbu Tudoran, A. Vulpoi, L. Baia	Photocatalytic Efficiency of Zeolite-Based TiO ₂ Composites for Reduction of Cu (II): Kinetic Models, International Journal of Applied-Ceramic Technology, 11(3), 568-581 (2014). - zona galbena http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=33&SID=R2cgnMuERa8V LHVIZdL&page=2&doc=15	1,320	0
20	A. Peter, L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, C. Nicula, L. Barbu Tudoran, L. Baia	Efficiency of Cu/TiO ₂ to Remove Salicylic Acid by Photocatalytic Decomposition: kinetic modeling, Materials Technology, 29(3), 129-133 (2014). http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=33&SID=R2cgnMuERa8V LHVIZdL&page=2&doc=14	1,227	0
21	L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, A. Peter, C. Nicula, H. Tutu, D. Silipas, E. Indrea,	Adsorption of heavy metal cations by Na-clinoptilolite: Equilibrium and selectivity studies, Journal of Environmental Management 137, 69-80 (2014). - zona rosie http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=33&SID=R2cgnMuERa8V LHVIZdL&page=2&doc=16	2,723	0
22	L. Mihaly Cozmuta, A Mihaly Cozmuta, A Peter, C Nicula, E Bakatula Nsimba and H Tutu	The influence of pH on the adsorption of lead by Na-clinoptilolite: Kinetic and equilibrium studies, Water SA, 38(2), 269-278 (2012). http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=33&SID=R2cgnMuERa8V LHVIZdL&page=2&doc=20	0,876	0
23	A Peter, E Indrea, A Mihaly-Cozmuta, L Mihaly-Cozmuta, C Nicula, H Tutu, E Bakatula,	Dual efficiency of nano-structured TiO ₂ /zeolyte systems in removal of copper (II) and lead (II) ions from aqueous solution under visible light, AIP Conference Proceedings, 1425, 139-143. (2012). http://apps.webofknowledge.com/full_record.do?product=WO S&search_mode=AuthorFinder&qid=33&SID=R2cgnMuERa8 VLHVIZdL&page=3&doc=22	0	0
24	L. Baia, L. Diamandescu, L. Barbu-Tudoran, A. Peter, G. Melinte, V. Danciu, M. Baia	Efficient dual functionality of highly porous nanocomposites based on TiO ₂ and noble metal particles, Journal of Alloys and Compounds, 509, 2672-2678 (2011). - zona galbena http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=33&SID=R2cgnMuERa8V LHVIZdL&page=3&doc=25	2,289	0
25	A. Peter, M. Marian, C. Nicula, L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, E. Indrea,	The sorptive performance of microorganisms-zeolite systems to remove Cu ²⁺ , Zn ²⁺ , Cd ²⁺ , Fe ²⁺ and Pb ²⁺ , Revue Roumaine de Chimie, 56(9), 847-852 (2011). http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=33&SID=R2cgnMuERa8V LHVIZdL&page=3&doc=24	0,418	0
26	A. Peter, L. Baia, M. Baia, E. Indrea, F. Toderas, V. Danciu, V. Cosoveanu, L. Diamandescu	Porous Au-TiO ₂ aerogels nanoarchitectures for photodegradation processes, Journal of Optoelectronics and Advanced Materials, 12 (5), 1071-1077 (2010). http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=33&SID=R2cgnMuERa8V LHVIZdL&page=3&doc=26	0,412	0
27	A. Peter, M. Baia, F. Toderas, M. Lazar, L. Barbu-Tudoran, V. Danciu	Photo-catalysts based on gold-titania composites, Studia Universitatis Babes-Bolyai, Chemia, LIV(3), 161-171 (2009). http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=33&SID=R2cgnMuERa8V LHVIZdL&page=3&doc=27	0,086	0
28	L. Baia, M. Baia, A. Peter, V. Cosoveanu, V. Danciu	Evaluating the thermal treatment parameters effect on the anatase nanocrystalites size of titania aerogels, J. Optoelectron. Adv. Mater. 9(3), 671-674 (2007). http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=33&SID=R2cgnMuERa8	0,827	0

		VLHVIZdL&page=4&doc=31		
29	A. Peter, I. C. Popescu, E. Indrea, P. Marginean and V. Danciu	The influence of the heat treatment on the photoactivity of the TiO ₂ -SiO ₂ aerogels, <i>Studia Universitatis Babes-Bolyai, CHEMIA</i> , XII(3), 105-111 (2007). http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=33&SID=R2cgnMuERa8VLHVIZdL&page=4&doc=32	0	0
30	L. Baia, A. Peter, V. Cosoveanu, E. Indrea, M. Baia, J. Popp, V. Danciu,	Synthesis and nanostructural characterization of TiO ₂ aerogel for photovoltaic devices, <i>Thin Solid Films</i> , 511-512, 512-516 (2006) - zona galbena http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=AuthorFinder&qid=33&SID=R2cgnMuERa8VLHVIZdL&page=4&doc=33	1,666	0
Total 2.1.			157,26	

2.2. Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale

Nr.	Articol	Indicator
1	A. Mihaly Cozmuta, L. Mihaly Cozmuta, A. Peter, C. Nicula, L. Crisan. (2016) The comparative effects of far-red light and UV-C light on some physical-chemical-microbiological attributes of the red bell peppers (<i>Capsicum annuum L</i>) during storage, <i>Analele Universitatii din Craiova, Section: Horticulture and Food Products Processing Technology</i> , vol XXI (LVII), 321-330. Indexare: Zoological Record (by former ISI), Index Copernicus, CAB Abstracts (by CAB International), Open Academic Journals Index, Google Academic.	3
2	Peter A., Nicula C., Kovacs E., Mihaly-Cozmuta L., Mihaly-Cozmuta A. (2016) Influence of lactic acid addition on color and chemical properties of fresh prepared orange juice, <i>Analele Universitatii din Craiova, Sections: Horticulture and Food Products Processing Technology</i> , vol XXI (LVII), 349-354. Indexare: Zoological Record (by former ISI), Index Copernicus, CAB Abstracts (by CAB International), Open Academic Journals Index, Google Academic.	6
3	A. Mihaly Cozmuta, L. Mihaly Cozmuta, A. Peter, C. Nicula, L. Crisan, A. Vulpoi, M. Baia (2016). The influence of far-red light on attributes of green bell pepper fruits (<i>Capsicum annuum L.</i>) during storage. <i>The Annals of the University Dunarea de Jos of Galati, Fascicle VI – Food Technology</i> , 40(2), 98-118. http://www.ann.ugal.ro/tpa/ft_2016_no_2.htm ; Indexare: Thomson Reuters Master Journal List, SCOPUS.	2.142
4	A. Mihaly Cozmuta, L. Mihaly Cozmuta, A. Peter, C. Nicula (2016). The comparative effect of Far-Red light and UV-C light on some physical-chemical attributes in red bell peppers (<i>Capsicum annuum L</i>) during storage. <i>Analele Universității din Oradea, Fascicula Biologie</i> , XXIII(2), 72-78. http://www.bioresearch.ro/bioresearch/2016-2/072-078-AUOFB.23.2.2016.MIHALY-COZMUTA.A.-The.comparative.effect.pdf ; Indexare: Thompson, CABI.	3.75
5	F. D. Bora, A. Donici, C. Voica, T. Rusu, C. Cimpoi, C. Nicula, A. Peter, C.I. Bunea, N. Pop, D.E. Mihăiescu, 2016, Inductively coupled plasma-mass spectrometry (ICP-MS) characterization of some white wines from Dealu Bujorului Vineyard by their mineral content, <i>AAB Bioflux Advances in Agriculture & Botany</i> , 8(3), 156-175. Indexare: ISI Web of Knowledge, CAB International, CNCSIS-quoted B+. http://www.aab.bioflux.com.ro/home/volume-8-3-2016/	1.5
6	A. Peter, D. Tegla, L. Giurgulescu, A. Mihaly Cozmuta, C. Nicula, L. Mihaly Cozmuta, I. Vagelas (2015). Development of Ag/TiO ₂ -coated food packaging film and its role in preservation of green lettuce during storage. <i>Carpathian Journal of Food Science and Technology</i> , 7(4), 88-96. http://chimie-biologie.ubm.ro/carpathian_journal/Vol_7(4)_2015.pdf ; Indexare: Web of Science, SCOPUS.	4.285
7	A. Peter, A. Mihaly-Cozmuta, L. Mihaly-Cozmuta, C. Nicula (2013). Nanosensor based on TiO ₂ for detection of oxygen in damaged vacuum packages. <i>Carpathian Journal of Food Science and Technology</i> , 5(1-2), 9-12. http://chimie-biologie.ubm.ro/carpathian_journal/Vol%205(1-2)%202013.pdf ; Indexare: Web of Science, SCOPUS.	7.5
8	C. Nicula, M. Sisestean, A. Mihaly-Cozmuta, A. Peter, L. Mihaly-Cozmuta (2013). Nitrate and nitrite content in various types of cucumbers and options to reduce it, <i>Carpathian Journal of Food Science and Technology</i> , 5(1-2), 36-44. http://chimie-biologie.ubm.ro/carpathian_journal/Vol%205(1-2)%202013.pdf ; Indexare: Web of Science, SCOPUS.	3
9	A. Mihaly Cozmuta, A. Conea, A. Peter, A. Mihaly-Cozmuta, L. Mihaly-Cozmuta, C. Nicula, (2013). Study the influence of work parameters on the leacheability of mineral elements into the coffee infusion, <i>Carpathian Journal of Food Science and Technology</i> 5(1-2), 23-35. http://chimie-biologie.ubm.ro/carpathian_journal/Vol%205(1-2)%202013.pdf ; Indexare: Web of Science, SCOPUS.	2.5
10	A. Peter, L. Roatis, C. Nicula, A. Mihaly-Cozmuta, L. Mihaly-Cozmuta (2012). Combined use of paper or LDPE and natural extracts from <i>Satureja hortensis</i> and <i>Allium sativum</i> for the preservation of the summer	6

	salame. <i>Carpathian Journal of Food Science and Technology</i> , 4(2), 18-27. http://chimie-biologie.ubm.ro/carpathian_journal/Vol%204(2)%202012.pdf ; Indexare: Web of Science, SCOPUS.	
11	C. Nicula, D. Lungu, A. Peter , A. Mihaly-Cozmuta, L. Mihaly-Cozmuta (2012). Curd cheese stored in modified packaging with extract of garlic and thyme: variation of some physico-chemical parameters. <i>Carpathian Journal of Food Science and Technology</i> , 4(2), 1-8. http://chimie-biologie.ubm.ro/carpathian_journal/Vol%204(2)%202012.pdf ; Indexare: Web of Science, SCOPUS.	3
12	A. Peter , L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, C. Nicula (2011). The role of natural zeolite and modified with ammonium ions in reducing the uptake of lead, zinc, copper and iron ions in <i>Hieracium aurantium</i> and <i>Rumex acetosella</i> grown on tailing ponds, <i>Analele Universitatii din Oradea, Fascicula Biologie</i> , Tom. XVIII, Issue: 2, 128-135. https://doaj.org/article/161cd3bde3247f3ba7b0e1333d637f8 ; Indexare: DOAJ	7.5
13	C. Nicula, A. Peter , L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, E. Indrea, V. Danciu, (2011). The influence of the type and concentration of amendments on the growth dynamics of <i>Phaseolus vulgaris L.</i> , <i>Analele Universitatii din Oradea, Fascicula Biologie</i> , Tom. XVIII, Issue: 2, 111-119. https://doaj.org/article/ab39d5dbc5134e1fa8b36f249d420f7a ; Indexare: DOAJ	2.5
14	C. Nicula, M. Marian, L. Mihaly Cozmuta, A. Peter , A. Mihaly Cozmuta (2010). Adaptative mechanisms of <i>Phaseolus vulgaris</i> and <i>Zea mays</i> seeds grown in agrocenosis prone to pollution with heavy metals. <i>Analele Universitatii din Oradea, Fascicula Biologie</i> , XVII/1, 152-157. http://www.bioresearch.Ro/bioresearch/2010-1.html ; Indexare: Thompson, CABI.	3
15	A. Peter , D. Bregnya, L. Mihaly-Cozmuta, A. Mihaly Cozmuta, C. Nicula (2010). Use of TiO ₂ photocatalyst as alternative means for the cottage cheese preservation. <i>Carpathian Journal of Food Science and Technology</i> , 2(2), 50-58. http://chimie-biologie.ubm.ro/carpathian_journal/Vol%202(2)%202010.pdf ; Indexare: Web of Science, SCOPUS.	6
Total 2.2.		61,67

2.3. Proprietate intelectuala, brevete de inventie, tehnologii si produse omologate

2.3.1. Internationale

Nr.	Brevet	indicator
1	A. Peter , C. Nicula, A. Mihaly Cozmuta, L. Mihaly Cozmuta and other 23 inventors, <i>Process for obtaining nanocomposite food packages</i> , - International patent - application no. 15464006.4-1358 from 28.08.15, priority: RO/08.04.15/ROA 201500256; solicitanti: Technical University of Cluj, Babes-Bolyai University of Clu, ICA R&D, L&G Consulting, Warsaw University of Technology Poland, Anexa 1 - 1.1.	1,538

2.3.2. Nationale

1	A. Peter , C. Nicula, A. Mihaly Cozmuta, L. Mihaly Cozmuta si alti 23 inventatori, <i>Procedee de obtinere a unor ambalaje alimentare inteligente</i> , - nr. inregistrare a2015 00256 din 8.04.2015 la OSIM Romania, solicitanti: Technical University of Cluj Napoca, Babes-Bolyai University Cluj Napoca, ICA R&D, L&G Consulting, Warsaw University of Technology Poland, nr. inreg. a2015 00256, <i>sub evaluare</i> . Anexa 1 - 1.2.	1,153
2	Danciu V., Cosoveanu V., Peter A. , Moldovan Z., Nutiu G., <i>Procedeu pentru mineralizarea prin fotocataliza a contaminantilor organici din apele reziduale (PROCESS FOR PHOTOCATALYSIS MINERALIZATION OF ORGANIC CONTAMINANTS IN WASTE WATER)</i> , Patent no. 122840/6.05.2004, according to the Romanian Law 64/1991. Assignee: UNIV CLUJ-NAPOCA BABES-BOLYAI Anexa 1 - 1.3.	6
Total 2.3.		8,692

2.4. Granturi/proiecte castigate prin competitie inclusiv proiecte de cercetare/consultanta (valoarea de minim 10000 euro echivalent)

2.4.1. Director de proiect

2.4.1.1. International

Nr.	Denumire	Indicator
1	Titlu: Active GRAPhene based FOOD packaging systems for a modern society (GRAFOOD)– acceptat la finantare Coordonator consortiu si responsabil UTCN: Conf. Anca Peter Membri: Leonard Mihaly Cozmuta, Anca Mihaly Cozmuta, Camelia Nicula si altii. Durata: 2017-2020 Sursa de finantare: M-ERANET 2016 Parteneri: Universitatea Tehnica din Cluj Napoca, Ceprohart Braila, National Institute of Chemistry	60

	<p>Ljubljana Slovenia, University of Camerino Italy, SYNBIOTEC Italy, Andaltec Spain Buget total: 762 634 euro, Buget UTCN: 180 000 euro Anexa 2 - 2.1.</p>	
2	<p>Title of the proposal: STRUCTural and PHOtochemical investigations of a nanosized composite as active component of paper based PACKage designed for food applications (STRUCT-PHO-PACK) Cooperation Protocols of the applicant institution in Romania with JINR, or Cooperation Agreement with JINR for a Scientific Programme Responsabil Romania: Conf. Anca Peter Responsabil Rusia: Dr. Eugen Anitas Number of Protocol between Romania and IUCN: 4517-3-16/18 Theme and activity from the JINR Topical Plan: Theme code: 01-3-1115-2014/2018 Priority: 1 Theme name: Theory of Condensed Matter Perioada: 2017-2018 Parteneri: Universitatea Tehnica Cluj Napoca Romania si Joint Institute for Nuclear Research Dubna Rusia Buget: 11000 dolari (10347 euro) (dintre care 5500 dolari / 2017 - contract in curs de semnare Anexa 2 - 2.2.</p>	40
3	<p>Titlu: Smart functions of packages containing nano-structured materials in food preservation – SMARTPACK – 7-065 / 26.09.2012; http://chimie-biologie.ubm.ro/smartpack/index.html Coordonator consorțiu și responsabil UTCN: Anca Peter Membri: Leonard Mihaly Cozmuta, Anca Mihaly Cozmuta, Camelia Nicula și alții. Durata: 2012-2015 Sursa de finanțare: MNT-ERANET Micro-Nano-Technologies (2011) Parteneri: ICA-Bucuresti-Romania, Universitatea Babes Bolyai Cluj Napoca-Romania, SC L&G Consulting SA -Romania, Warsaw University of Technology – Poland Buget: 530.000 euro Anexa 2 - 2.3.</p>	60

2.4.1.2. National

4	<p>Titlu: Materiale avansate nanostructurate de tip aerogel cu aplicatii la depoluarea mediului prin fotocataliza heterogena, cod CNCSIS 44, tema 15/2005. Colectivul de cercetare: Peter Anca - director de proiect, Danciu Virginia, Cosoveanu Veronica, etc.... Anul: 2005-2007 Buget: Total: 36.000 RON (10169 euro la curs BNR 3.54 din 4.05.2005) Sursa de finanțare: Ministerul Educatiei și Cercetarii prin Programul TD. Anexa 2 - 2.4.</p>	30
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2.4.2. Membru in echipa de cercetare

2.4.2.1. International

1	<p>Titlul proiectului: FOOD CHAIN 4 EUROPE Durata: 2017-2022 Responsabil proiect UTCN-CUNBM: Prof.dr.ing. Anca Mihaly Cozmuta Membri UTCN-CUNBM: Conf.dr. Anca Peter, Conf.dr. Camelia Nicula, Conf. dr. Leonard Mihaly Cozmuta Sursa de finanțare: INTERREG IV C Structura consorțiului: Consiliul Județean Maramureș cu Universitatea Tehnica din Cluj Napoca - Centrul Universitar Nord din Baia Mare (Romania), Provincia Flevoland (Olanda), Fundația AERES GROUP UAS (Olanda), Fundația Euro Perspectives (Bulgaria), Universitatea de Tehnologie Alimentară Plovdiv (Bulgaria), Universitatea Catolica Del Sacro Cuore Milano (Italia), Regiunea Emilia Romagna - directoratul General pentru Agricultură, Vânătoare și Pescuit (Italia), Consiliul Metropolitan Oldham (Marea Britanie), Universitatea Metropolitană Manchester (Marea Britanie). Buget total: 1556512 euro din care pentru Romania 149354 euro. Rol UTCN-CUNBM: îmbunătățirea punerii în aplicare a politicilor regionale care să stimuleze furnizarea de inovare pentru a crea lanțuri alimentare durabile. Anexa 2 - 2.5.</p>	20
2	<p>Titlu: <i>Developing of a biophysical system based on zeolites microorganisms-vegetal species for ecoremediation of tailing ponds coming from gold-silver preparation industry - ZEMIP</i></p>	12

	<p>Consortium coordinator: Lecturer dr. eng. Leonard Mihaly Cozmuta - Chemistry-Biology Department North University of Baia Mare, Membri: Camelia Varga (Nicula), Anca Peter, Anca Mihaly Cozmuta, Monica Marian Time range: 2009-2011 Funding source: PNCDI 2 Partners: North University of Baia Mare, University of Witswatersrand, Johannesburg, South Africa Anexa 2 - 2.6.</p>	
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2.4.2.2. National

3	<p>Titlu proiect: <i>Bioacumularea metalelor grele in lantul sol-legume-om - BIOMEG</i> Coordonator: Conf.dr. Camelia Varga (Nicula) - Universitatea de Nord Baia Mare Membri: Leonard Mihaly Cozmuta, Monica Marian, Anca Mihaly Cozmuta, Anca Peter, Vasile Oros, Rodica Apan, Flavia Pop, Liviu Giurgiulescu, Anca Dumuta Anul: 2008-2011 Sursa de finantare: CNMP (PNCD 2) Parteneri: Universitatea de Nord Baia Mare, Universitatea din Oradea, Statiunea de Cercetari Agricole Livada Satu Mare, facultatea de Medicina Universitatea Transilvania Brasov Buget: Total 1.900.000 RON Anexa 2 - 2.7.</p>	6
4	<p>Titlu proiect: <i>Reabilitarea iazurilor de decantare prin aplicare de amendamente si cultivarea unor specii vegetale cu adaptabilitate ridicata la continutul de metale grele - RIVAM</i> Coordonator: sef lucrari dr. Leonard Mihaly Cozmuta- Universitatea de Nord Baia Mare Membri: Camelia Varga (Nicula), Anca Mihaly Cozmuta, Monica Marian, Anca Peter, Oros Vasile, Gheorghe Vatca, Apan Rodica, Liviu Giurgiulescu, Denut Ioan, Anca Dumuta, Pop George Ovidiu Anul: 2008-2011 Sursa de finantare: CNMP (PNCD 2) Parteneri: Universitatea de Nord Baia Mare, Universitatea din Oradea, Statiunea de Cercetari Agricole Livada Satu Mare Buget: Total 1.900.000 RON Anexa 2 - 2.8.</p>	6
5	<p>Titlu proiect: <i>Monitorizarea actiunii microbiotei solului in vederea utilizarii ei in reabilitarea ecologica a iazurilor de decantare – AMSREI; Contract nr.: 31010/2007</i> Coordonator: sef lucrari dr. Monica Marian - Universitatea de Nord Baia Mare Membri: Camelia Varga (Nicula), Leonard Mihaly Cozmuta, Anca Mihaly Cozmuta, Anca Peter, Vasile Oros, Mirela Coman, Mihaescu Lucia, Oana Rosca Mare, Flavia Maries, Codre Anca, Anul: 2007-2010 Sursa de finantare: CNMP (PNCD 2) Parteneri: Universitatea de Nord Baia Mare, Universitatea din Oradea, Statiunea de Cercetari Agricole Livada Satu Mare Buget: Total 1.300.000 RON Anexa 2 - 2.9.</p>	6
6	<p>Titlul proiectului: <i>Elaborarea hartilor de hazard si evaluarea calitatii mediului in arealele miniere din judetele Maramures si Satu Mare utilizand sistemele informatinale geografice - SIG</i> Coordonator consortiu: dr. Driga Basarab - IGAR Director de proiect UBM: prof.dr.ing. Anca Mihaly Cozmuta Membri: Leonard Mihaly Cozmuta, Camelia Varga (Nicula), Anca Peter, Vasile Viman, Denut Ioan, Bud Ioan, Spatar Cornel, Gheorghe Vatca Anul: 2005-2008 Sursa de finantare: CNCSIS Parteneri: Institutul de Geografie al Academiei Romane, Institutul de Instrumentatie Analitica Cluj Napoca, Geoproiect Bucuresti, Universitatea de Nord Baia Mare, FSM Cluj Napoca Buget: Total 179.860 RON Anexa 2 - 2.10.</p>	6
7	<p>Titlu proiect: <i>Aplicarea integrata a bazelor de date pentru adoptarea si restructurarea factorilor naturali si artificiali de protectie a mediului in Ferme Zootehnice-AIBD</i> Director de proiect: prof.dr.ing. Anca Mihaly Cozmuta – Universitatea de Nord Baia Mare Membri: Leonard Mihaly Cozmuta, Camelia Varga (Nicula), Anca Mihaly Cozmuta, Oprea Gabriela, Vasile Viman, Gheorghe Vatca, Anca Peter, Flavia Maries, Ioana tascu, Corina Dragos, Florin Boltea Anul: 2005-2008 Sursa de finantare: Ministerul Educatiei si Cercetarii prin Programul Cercetare de Excelenta - CALIST</p>	6

	Parteneri: USAMV Cluj Napoca, Universitatea de Nord Baia Mare – Romania, Universitatea Gent Belgia, Academia de Stiinte Republica Moldova – Institutul de Zoologie Buget: Total 100.000 RON Anexa 2 - 2.11.	
8	Titlu proiect: Conexiuni la cercetarea europeana de excelenta in problematica de mediu - CONEEX, nr. 1560/2.09.2005 Director de proiect: prof.dr.Vasile Viman – Universitatea de Nord Baia Mare Membri: Anca Mihaly Cozmuta, Leonard Mihaly Cozmuta, Camelia Varga (Nicula), Oprea Gabriela, Gheorghe Vatca, Anca Peter , Flavia Maries, etc... Anul: 2005-2007 Sursa de finantare: Ministerul Educatiei si Cercetarii prin Programul Cercetare de Excelenta - P-INT-VIZ Parteneri: UBM, ICIA-CENTI Cluj, INOE Bucuresti Buget: Total 200.000 RON Anexa 2 - 2.12.	6

Proiecte suport care au ca activitati: prepararea si caracterizarea materialelor active utilizate la obtinerea ambalajelor alimentare active, in care candidata a fost membra a echipei de cercetare

9	Titlul proiectului: <i>Materiale fotocatalitice inovative aplicate la decontaminarea chimica si microbiologica a aerului din incinte</i> , MATDECON-PN II 71-099/2007 Colectivul de cercetare: Virginia Danciu - director de proiect, Peter Anca , Cosoveanu Veronica si altii Anul: 2007-2010 Buget: Total: 840.400 RON Sursa de finantare: Ministerul Educatiei si Cercetarii prin Programul PN II.	0
10	Titlul proiectului: <i>Noi sisteme vitroase telurate si germanate cu aplicatii in telecomunicatii</i> , NOSIVTEL-PN II 71-099/2007 Colectivul de cercetare: Virginia Danciu - director de proiect, Peter Anca , Cosoveanu Veronica si altii Anul: 2007-2010 Buget: Total: 268.028 RON Sursa de finantare: Ministerul Educatiei si Cercetarii prin Programul PN II.	0
Total 2.4.		258
TOTAL A.2.		485,622

A.3. Recunoasterea impactului activitatii

3.1. Citari in reviste ISI si BDI

3.1.1. ISI

Nr.	Articolul citat	Articolul care citeaza	Indicator
1	Peter, Anca; Mihaly-Cozmuta, Leonard; Mihaly-Cozmuta, Anca; Nicula, Camelia; Ziemkowska, Wanda; Basiak, Dariusz; Danciu, Virginia; Vulpoi, Adriana; Baia, Lucian; Falup, Anca, Changes in the microbiological and chemical characteristics of white bread during storage in paper packages modified with Ag/TiO ₂ -SiO ₂ , Ag/N-TiO ₂ or Au/TiO ₂ , FOOD CHEMISTRY, 197 790-798, Part: A, DOI: 10.1016/j.foodchem.2015.11.048, 2016	1-Methylcyclopropene (MCP)-Containing Cellulose Paper Packaging for Fresh Fruit and Vegetable Preservation: A Review By: Hu, Zhijun; Tang, Chunxia; He, Zhibin; et al. BIORESOURCES Volume: 12 Issue: 1 Pages: 2234-2248 Published: 2017	1
2	I. Lázár, J. Kalmár, A. Peter, A. Szilágyi, E. Gyori, T. Ditrói, I. Fábíán, Photocatalytic performance of highly amorphous titania-silica aerogels with mesopores: The adverse effect of the in situ adsorption of some organic substrates during photodegradation, Applied Surface Science 356 (2015) 521–531	Structurally engineered TiO ₂ -SiO ₂ monolithic designs for the enhanced photocatalytic degradation of organic textile dye pollutants By: Thejaswini, T. V. L.; Prabhakaran, D.; Maheswari, M. Akhila FUNCTIONAL MATERIALS LETTERS Volume: 10 Issue: 2 Article Number: 1750006 Published: APR 2017	11,42
3	531	Ambient pressure drying synthesis of Cs _{0.33} WO ₃ /SiO ₂ composite aerogels for efficient removal of Rhodamine B from	

		water By:Huang, X (Huang, Xia) ^[1] ; Liu, JX (Liu, Jing-Xiao) ^[1] ; Shi, F (Shi, Fei) ^[1] ; Yu, L (Yu, Ling) ^[1] ; Liu, SH (Liu, Su-Hua) ^[1] MATERIALS & DESIGN, 110, 624-632, 2016	
4		Exceptional activity for photocatalytic mineralization of formaldehyde over amorphous titania nanofilms Deng, XQ (Deng, Xiao-qing) ^[1] ; Zhu, XB (Zhu, Xiaobing) ^[1] ; Sun, ZG (Sun, Zhi-guang) ^[1] ; Li, XS (Li, Xiao-song) ^[1] ; Liu, JL (Liu, Jing-lin) ^[1] ; Shi, C (Shi, Chuan) ^[1] ; Zhu, AM (Zhu, Ai-Min) ^[1] CHEMICAL ENGINEERING JOURNAL Volume: 306 Pages: 1001-1009 DOI: 10.1016/j.cej.2016.08.036 Published: DEC 15 2016	
5		Sol-gel synthesis, characterization and catalytic activity of silica aerogels functionalized with copper(II) complexes of cyclen and cyclam By:Bereczki, HF (Bereczki, Helga Fruzsina) ^[1,3] ; Darozi, L (Darozi, Lajos) ^[2] ; Fabian, I (Fabian, Istvan) ^[1] ; Lazar, I (Lazar, Istvan) ^[1] Microporous and Mesoporous Materials, Volume 234, 1 November 2016, Pages 392-400.	
6		Comparison study on surface depth distribution of chemical species of different nanocomposite Ti-Si binary oxides By:Wang, LY (Wang, Luyan) ^[1] ; Liu, JK (Liu, Junkai) ^[1] ; Meng, LQ (Meng, Lingqiang) ^[1] ; Zhong, CL (Zhong, Congli) ^[2] JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, 80(1), 142-151	
7		Electrochemical and Catalytic Studies of a Supported Photocatalyst Produced from Petrochemical Residue in the Photocatalytic Degradation of Dexamethasone and Guaifenesin Drugs By: da Silva, WL (da Silva, William Leonardo) ^[1] ; Lansarin, MA (Lansarin, Marla Azario) ^[1] ; dos Santos, JHZ (dos Santos, Joao Henrique Z.) ^[2] ; Da Rocha, ZN (Da Rocha, Zenis N.) ^[3] ; Pepe, IM (Pepe, Iuri Muniz) ^[4] WATER AIR AND SOIL POLLUTION Volume: 227 Issue: 7 Article Number: 242 Published: JUL 2016	
8		Preparation and Characterization of Titania-silica Composite Particles by Pechini Sol-gel Method By: Wu Yuanting; Li Menglong; Wang Xiufeng; et al. Edited by: Jawaid, M; Kenawy, ER Conference: International Symposium on Materials Application and Engineering (SMAE) Location: Chiang Mai, THAILAND Date: AUG 20-21, 2016 INTERNATIONAL SYMPOSIUM ON MATERIALS APPLICATION AND ENGINEERING (SMAE 2016) Book Series: MATEC Web of Conferences Volume: 67 Article Number: UNSP 03049 Published: 2016	
9		The pore network and the adsorption characteristics of mesoporous silica aerogel: adsorption kinetics on a timescale of seconds By:Kalmar, J (Kalmar, Jozsef) ^[1] ; Keri, M (Keri, Monika) ^[2] ; Erdei, Z (Erdei, Zsolt) ^[3] ; Banyai, I (Banyai, Istvan) ^[2] ; Lazar, I (Lazar, Istvan) ^[3] ; Lente, G (Lente, Gabor) ^[3] ; Fabian, I (Fabian, Istvan) ^[3] RSC ADVANCES Volume: 5 Issue: 130 Pages: 107237-107246, 2015	
10	Peter A., Mihaly-Cozmuta L., Mihaly-Cozmuta A., Nicula C., Cadar C., Jastrzebska A., Kurtycz P., Olszyna A., Vulpoi A., Danciu V., Radu T., Baia L. (2015). Silver functionalized titania-silica xerogels: Preparation, morpho-structural and photocatalytic properties, kinetic modeling. <i>Journal of Alloys and Compounds</i> , 648, 890-902.	Jastrzebska, A.M., Karcz, J., Letmanowski, R., Zabost, D., Ciecierska, E., Siekierski, M, Olszyna, A. (2016) Synthesis of RGO/TiO ₂ nanocomposite flakes and characterization of their unique electrostatic properties using zeta potential measurements. <i>Journal of Alloys and Compounds</i> , 679, 470-484.	2,5
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119		Effects of nitrogen content in monocrystalline nano-CeO ₂ on the degradation of dye in indoor lighting By:Sun, DF (Sun, Dongfeng) ^[1,1] ; Gu, MJ (Gu, Mingjie) ^[1,1] ; Li, RX (Li, Ruixing) ^[1,1] ; Yin, S (Yin, Shu) ^[2,1] ; Song, XZ (Song, Xiaozhen) ^[1,1] ; Zhao, B (Zhao, Bin) ^[1,1] ; Li, CQ (Li, Chengqiang) ^[1,1] ; Li, JP (Li, Junping) ^[3,1] ; Feng, ZH (Feng, Zhihai) ^[3,1] ; Sato, T (Sato, Tsugio) ^[2,1] APPLIED SURFACE SCIENCE Volume: 280 Pages: 693-697 DOI: 10.1016/j.apsusc.2013.05.044 Published: SEP 1 2013	
120		A new sensor for ammonia based on cyanidin-sensitized titanium dioxide film operating at room temperature By:Huang, XW (Huang Xiao-Wei) ^[1,1] ; Zou, XB (Zou Xiao-bo) ^[1,2,1] ; Shi, JY (Shi Ji-yong) ^[1,1] ; Zhao, JW (Zhao Jie-wen) ^[1,1] ; Li, YX (Li Yanxiao) ^[1,1] ; Hao, LM (Hao Limin) ^[3,1] ; Zhang, JC (Zhang Jianchun) ^[3,1] ANALYTICA CHIMICA ACTA Volume: 787 Pages: 233-238 DOI: 10.1016/j.aca.2013.05.057 Published: JUL 17 2013	
121		Facile synthesis of MoS ₂ nanosheet-silver nanoparticles composite for surface enhanced Raman scattering and electrochemical activity By:Zhao, J (Zhao, Jun) ^[1,1] ; Zhang, ZC (Zhang, Zhaochun) ^[1,1] ; Yang, SS (Yang, Shanshan) ^[1,1] ; Zheng, HL (Zheng, Houli) ^[1,1] ; Li, YB (Li, Yunbo) ^[1,1] JOURNAL OF ALLOYS AND COMPOUNDS Volume: 559 Pages: 87-91 DOI: 10.1016/j.jallcom.2013.01.067 Published: MAY 15 2013	
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130		Effect of cysteamine layer formed on gold surfaces interacting with TiO ₂ surfaces By: Park, Jin-Won <i>CURRENT APPLIED PHYSICS</i> Volume: 11 Issue: 3 Pages: 498-502 Published: MAY 2011	
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141	Photocatalytic hydrogen production using TiO ₂ -Pt aerogels By: Puskelova, Jarmila; Baia, Lucian; Vulpoi, Adriana; et al. CHEMICAL ENGINEERING JOURNAL Volume: 242 Pages: 96-101 Published: APR 15 2014	
142	TiO ₂ /WO ₃ /Au nanoarchitectures' photocatalytic activity, "from degradation intermediates to catalysts' structural peculiarities", Part I: Aeroxide P25 based composites By: Kovacs, G.; Baia, L.; Vulpoi, A.; et al. APPLIED CATALYSIS B-ENVIRONMENTAL Volume: 147 Pages: 508-517 Published: APR 5 2014	
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144	The photocatalytic activity of TiO ₂ /WO ₃ /noble metal (Au or Pt) nanoarchitectures obtained by selective photodeposition By: Karacsonyi, E.; Baia, L.; Dombi, A.; et al. CATALYSIS TODAY Volume: 208 Pages: 19-27 Published: JUN 1 2013	
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154	ZnO xerogel powders for photovoltaic applications By: Wang, Chien-Tsung; Ro, Shih-Hung; Jao, Chan-Shu; et al. JOURNAL OF NON-CRYSTALLINE SOLIDS Volume: 356 Issue: 18-19 Pages: 873-878 Published: APR 15 2010	

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157	TiO ₂ -SiO ₂ Composite Aerogel: Preparation by Ambient Pressure Drying Process and Characterization By: Leng Xiao-Wei; Liu Jing-Xiao; Shi Fei; et al. CHINESE JOURNAL OF INORGANIC CHEMISTRY Volume: 25 Issue: 10 Pages: 1791-1796 Published: OCT 2009	
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160	Synthesis, structural characterization, and photocatalytic properties of iron-doped TiO ₂ aerogels By: Popa, M.; Diamandescu, L.; Vasiliu, F.; et al. JOURNAL OF MATERIALS SCIENCE Volume: 44 Issue: 2 Pages: 358-364 Published: JAN 2009	
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	composition of porous titania layers prepared via water based chemical solution deposition By: Truijen, I.; Haeldermans, I.; Van Bael, M. K.; et al. JOURNAL OF THE EUROPEAN CERAMIC SOCIETY Volume: 27 Issue: 16 Pages: 4537-4546 Published: 2007	
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3	A. Peter , C. Nicula, A. Mihaly-Cozmuta, L. Mihaly-Cozmuta, E. Indrea, Chemical and sensory changes of different dairy products during storage in packages containing nanocrystallised TiO ₂ , International Journal of Food Science and Technology, 47(7), 1448-1456 (2012).	But, A., Bertoti, A., Testing the preserving activity of nanostructured Ag-TiO ₂ during the deposition of summer sausage and boneless chicken breast, Carpathian Journal of Food Science and Technology, 4(1), 9-16, 2012	2,5
4		Mare, A., Bob, I., Efficiency of the nano-packages based on Ag-TiO ₂ in preserving the fresh cheese from cow milk and yogurt, Carpathian Journal of Food Science and Technology, 4(1), 22-30, 2012	2,5
Total 3.1.2.			7
Total 3.1.			256,04

3.2. Prezentari invitate in plenul unor manifestari stiintifice nationale si internationale si profesor invitat (exclusiv Erasmus)

3.2.1. Internationale

Nr		Indicator
1	University of Pecs, Department of Analytical Chemistry, Faculty of Sciences and Institute of Bioanalysis, Faculty of Medicine, Hungary, teacher mobility CEEPUS : CII – HU-0010-04-0910-M-34185, 12.04.2010 – 12.05.2011 - Anexa 3	10
Total 3.2.		10

3.3. Membru in colectivele de redactie sau comitete stiintifice al revistelor si manifestarilor stiintifice, organizator de manifestari stiintifice, recenzor pentru reviste si manifestari stiintifice nationale si internationale

3.3.1. Recenzor pentru articole trimise spre publicare in reviste ISI

Nr	revista	articolul	Indicator
2011			
1	Clean Soil Air Water	Photodecomposition of gaseous DMDS (a malodorous compound) by supported-TiO ₂ based catalysts homemade by green preparation - Anexa 4 - 4.1.	10
2	African Journal of Agricultural Research	Seasonal Changes of Thermocline in Northern Zone of Persian Gulf (Short Communication) - Anexa 4 - 4.2.	10
3		The Effect of Malathion (Organophosphate) and Sevin (Carbamate) Application on Radish (<i>Raphanus sativus</i> L.) Growth - Anexa 4 - 4.3.	10
4	International Journal of Food Science & Technology	Optimization of basil seed gum (Ocimum basilicum L.) as a novel stabiliser for ice cream to deliver improved processing and sensory quality - Anexa 4 - 4.4.	10
2012			
5	International Journal of Food Science & Technology	Characterisation, stability and in-vitro degradation of microcapsules containing Chinese yak (Poephagus grunniens L.) butter - Anexa 4 - 4.5.	10
6		Influence of adjuncts as debittering aids on the sensory properties of enzyme modified cheese-base - Anexa 4 - 4.6.	10
7	Journal of materials Science	Synthesis and performance of magnetic TiO ₂ nanocomposites in the adsorption removal of salicylic acid from aqueous solution: kinetics, isotherms and thermodynamics studies - Anexa 4 - 4.7.	10
8	International Journal of	Comparative assessment of antimicrobial efficiency of ionic silver, silver	10

	Applied Technology	Ceramic	monoxide and metallic silver incorporated onto an aluminum oxide nanopowder carrier - Anexa 4 - 4.8	
2013				
9	Material Letters		A relative evaluation of Dollimore-Heal and Barrett-Joyner-Halenda methods of Pore Volume Distribution (PVD) patterns of zeolites - Anexa 4 - 4.9.	10
2014				
10	International Journal of Applied Ceramic Technology		The impact of zeta potential and physico-chemical properties of TiO ₂ -based nanocomposites on their biological activity - Anexa 4 - 4.10.	10
11	International Journal of Food Science & Technology		Effect of the use of date fibres on the quality and nutritional properties of ice-cream - Anexa 4 - 4.11	10
2015				
12	Chemical Papers		Properties of natural rubber composites with structurally different clay intercalable Surfactants - Anexa 4 - 4.12	0
13	CLEAN - Soil, Air, Water		Green synthesis of CuONPs and their application for removal of arsenite: RSM and ANN-GA approach - Anexa 4 - 4.13	0
14	CLEAN - Soil, Air, Water		Synthesis of complex 3D Cd ²⁺ doped-ZnS composites through a simple hydrothermal method and its optical and photocatalytic properties - Anexa 4 - 4.14.	0
15	Desalination and Water Treatment		Removal of Heavy Metals from Waste Water (artificial or natural) by the Synthetic Na-P1 Zeolite from Bentonite - Anexa 4 - 4.15.	10
16	NANO		Study of various nanostructures titania with graphene composites: the preparation and photocatalytic activities - Anexa 4 - 4.16	0
17	Surface and Coatings Technology		Enhanced photocatalytic activities of TiO ₂ -SiO ₂ nanohybrids immobilized on cement based materials for dye degradation - Anexa 4 - 4.17	0
2016				
18	ACS Applied Materials & Interfaces		Unraveling the Multiple Effects Originating the Increased Oxidative Photoactivity of {001}-Facet Enriched Anatase TiO ₂ - Anexa 4 - 4.18	0
19	Carpathian Journal of Food Science and Technology		Antibacterial activity of various extracts from <i>thymus transcaspicus</i> against food pathogenic microorganisms - Anexa 4 - 4.19	10
20	Desalination and Water Treatment		Fabrication of PES/NaX Nanocomposite nanofibrous adsorbent for the removal of Cu ²⁺ , Co ²⁺ and Fe ²⁺ from aqueous solutions - Anexa 4 - 4.20	10
21	Industrial & Engineering Chemistry Research		Enhanced removal of Pb ²⁺ , Cu ²⁺ and Cd ²⁺ by aminofunctionalized magnetite/kaolin clay - Anexa 4 - 4.21.	10
22	Main Group Chemistry		Are Graphene Family Materials truly good bacteria adsorbents? The critical evaluation of their bio-activity and bio-adsorptive properties in relation to the nano-Al ₂ O ₃ used as an competitive adsorbent- Anexa 4-4.22	10
23	Nutrition and Food Science		Quality and safety assessment of cow's milk in different regions of Mathura city - Anexa 4 - 4.23	10
24	Food and Nutritional Disorders - SciTechnol		Studies on Effect of <i>A. niger</i> on Physiological Weight Loss and biochemical Changes in Black Mould Rot Diseased Onion - Anexa 4 - 4.24	0
2017				
25	Journal of Food Science		HDPE Packaging Performance for Protecting Milk Quality in a Retail Dairy Case with LED or Fluorescent Lighting - Anexa 4 - 4.25	10
Total 3.3.1.				180

3.3.2. Recenzor pentru articole trimise spre publicare in reviste BDI

Nr	revista	articolul	Indicator
2012			
1	International Journal of Agricultural Sciences	Combining Ability for Fruit Worm Resistance in Some Commercially Grown Tomatoes in Parts of North Eastern Nigeria - Anexa 5 - 5.1.	5
2		Effect of menthol absorption by packaging material on the quality of yogurt drink during storage time - Anexa 5 - 5.2	5
3	International Journal of Biochemistry and Biotechnology	Biodegradation of linear alkylbenzene sulfonate (LAS) and alkylbenzene sulfonat (ABS) by <i>Pseudomonas aeruginosa</i> bacteria - Anexa 5 - 5.3.	5

4	International Journal of Medicinal Plant Research	Watermelon lycopene; an exclusive treatise - Anexa 5 - 5.4.	5
5	International Research Journal of Plant Science(IRJPS)	Impact of fertilizer types on yield and quality of tomato (lycopersicon lycopersicum) varieties in Ogbomoso, South West Nigeria - Anexa 5 - 5.5.	5
2013			
6	International Journal of Agricultural Sciences	Antagonistic activity of plant growth promoting rhizobacteria isolated from tomato rhizosphere against soil borne fungal plant pathogens - Anexa 5 - 5.6.	5
7	International Journal of Biochemistry and Biotechnology	Metal Concentration in Plant Tissues of Jatropha curcas L grown in crude oil contaminated soil - Anexa 5 - 5.7.	5
8	TOPCLASS JOURNAL OF AGRICULTURAL RESEARCH	Response of fennel plants to organic and biofertilizer in replacement of chemical fertilization - Anexa 5 - 5.8	5
2014			
9	International Journal of Plant Physiology and Biochemistry	The intensity of respiration in germinating seeds of plants in conditions of salt stress - Anexa 5 - 5.9	5
10	International Research Journal of Plant Science	Effects of the Aqueous Fruit Extract of Solanum macrocarpum L., α -solanidine and Standard Lipid Lowering Agents on Biochemical Kidney Function of Hyperlipidaemic Rats Administered Triton-X Orally for 7 Days - Anexa 5 - 5.10	5
11	Pacesetter Journal of Agricultural Science Research	Characterization of Dairy Cattle Production Systems in Debremarkos District, Amhara Regional State, Ethiopia - Anexa 5 - 5.11	5
2015			
12	British Journal of Applied Science & Technology	Synthesis, characterization and in vitro cyto toxicity assessment of eggshell-derived β -CaSiO ₃ nano biomaterial - Anexa 5 - 5.12	5
2016			
13	International Journal of Agricultural Policy and Research	DO FARMING RURAL HOUSEHOLDS BENEFIT FROM HIGH FOOD PRICES? PANEL EVIDENCE FROM RURAL HOUSEHOLDS IN ETHIOPIA - Anexa 5 - 5.13	5
Total 3.3.2			65
Total 3.3.			245

3.4. Experienta de management

3.4.2. Membru in organisme de conducere

Nr		Indicator
1	Membra a Consiliului Facultatii de Stiinte din anul 2016- Universitatea Tehnica din Cluj Napoca	2
2	Membra a conducerii editoriale a revistei indexata ISI Carpathian Journal of Food Science and Technology http://chimie-biologie.ubm.ro/carpathian_journal/editors.html	18
Total 3.4.2.		20
Total 3.4.		20
TOTAL A.3.		531,04

Materialele doveditoare ale activitatilor raportate pentru indicatorii A0, A1, A2 si A3 se gasesc in format electronic pe CD sub denumirea Anexa doveditoare.

Data
26.05.2017

Conf.dr. Anca Peter