RAPORT DE AUTOEVALUARE
2013

ŞTIINȚE EXACTE – CHIMIE

1. Date de identificare institut/centru

1.1. Denumire: **INSTITUTUL DE CHIMIE TIMIŞOARA AL ACADEMIEI ROMÂNE**
(**ICT**)

1.2. Statut juridic: institutie publica cu personalitate juridica
1.3. Act de înfiinţare: HG. 1366/2001
1.4. Număr de înregistrare în Registrul Potenţialilor Contractori: **I-AR 3216**
1.5. Director general/Director: **Dr. Otilia Costisor**
1.6. Adresă: 300223-Timisoara, Bul. Mihai Viteazul, 24
1.7. Telefon, fax, pagină *web*, *e-mail*: **0256 491818; 0256 491824**
http://acad-icht.tm.edu.ro
E-mail: ocostisor@acad-icht.tm.edu.ro

2. Domeniu de specialitate

2.1. Conform clasificării UNESCO: **2303 - 07**
2.2. Conform clasificării CAEN: 7219

3. Stare institut/centru

3.1. Misiunea institutului/centrului, direcţiile de cercetare, dezvoltare, inovare. Rezultate de excelenţă în îndeplinirea misiunii (maximum 2000 de caractere):

ICT - instituţie publică cu personalitate juridica, institut al Academiei Romane, asigură competenţa cercetării româneşti în domeniul chimiei organice, anorganice si computationale prin efectuarea de cercetări fundamentale şi aplicative.

Misiunea **ICT** este de a efectua:

A. Activităţi de cercetare – dezvoltare:

a. în cadrul Programului de cercetare al Academiei Române;

b.în afara Programului de cercetare al Academiei Române, prin cercetare competitivă:

- prin sistemul de Programe fundamentale şi Programe prioritare ale A.R.;
- prin sisteme de granturi ale A.R. si MEC inclusiv PNCD;
- în cadrul programelor de cercetare – dezvoltare europene;
- în cadrul programelor europene transfrontaliere ;
- colaborari internationale in cadrul relaţiilor de schimb interacademic sau al colaborărilor bilaterale agreate.

B. Activităţi conexe în domeniul său de activitate:

- acordă asistenţă tehnică şi consultanţă unităţilor productive din zona de vest a ţării;
- efectuează expertize tehnice si analize chimice;
- acorda consultanţă la construirea şi implementarea sistemelor de asigurare a calităţii pentru zona de vest.

C. Activităţi de formare şi specializare profesională:

- Unitate de cercetare abilitată (ICA) să organizeze doctorate în cadrul **SCOSAR**

3.2. Modul de valorificare a rezultatelor de cercetare, dezvoltare, inovare şi gradul de recunoaştere a acestora (maximum 1000 de caractere):

Valorificarea rezultatelor cercetărilor prin diseminarea acestora astfel:

- publicarea lor în reviste cu un standard cât mai înalt evidentiata de cresterea calitatii revistelor in care apar lucrarile însoțită însă de scaderea numarului de publicatii.
- publicarea de carti şi monografii;
- supunerea lor discutiei specialiştilor prin participarea la manifestari nationale şi internaționale;
- obținerea de brevete si,
- implementarea lor în unități productive.

Recunoasterea rezultatelor evidențiată prin:

- cresterea numarului de publicatii cotate ISI şi a prestigiului acestora;
- cresterea numarului de citari si a prestigiului revistelor care citează;
- atragerea de fonduri: numar de granturi si proiecte acordate in urma competitiei directe;
- participarea la proiecte europene: fiecare laborator al ICT este implicat intr-un proiect european(FP 7 – 3 proiecte).
- colaborarea cu unitatile de invatamant si cercetare din tara si incadrarea intr-un sistem interdisciplinar/multidisciplinar(conform capitolului NOTE);
- colaborarile internationale bilaterale cu unitati prestigioase (conform capitolului NOTE);
- recunoasteraea cercetatorilor prin implicarea in actiuni de evaluare a proiectelor europene si nationale. (conform capitolului NOTE);
- vizita unor personalitati la ICT.

3.3. Situația financiară - datorii la bugetul de stat: **Nu sunt**.

3.4. Numărul personalului de cercetare (CS - CS I):

39 personal de cercetae atestat (2 concediu de maternitate)

37 doctori

3.5. Numărul total al personalului:

94.5 posturi din care **14** asistenti de cercetare

ŞTIINȚE EXACTE
(FIZICA, CHIMIE, separat MATEMATICA)

4. Criterii de performanță in cercetarea stiintifica (toate criteriile analizează numai perioada de evaluare) (40%)

Nr. crt.	Criteriu	n	Punctaj unitar	Punctaj acordat
1.	Participarea la un program fundamental sau prioritar al Academiei Române şi realizarea obiectivelor sale.		25	-
2.	Un tratat apărut într-o editură consacrată din străinătate[2]		$25\times(N_{ic}/N_a)$	-
3.	O carte apărută într-o editură consacrată din străinătate[2]		$20\times(N_{ic}/N_a)$	-
4.	O monografie apărută într-o editură consacrată din străinătate[2]		$15\times(N_{ic}/N_a)$	-
5.	O carte editată într-o editură consacrată din străinătate[2]		$10\times(N_{ic}/N_a)$	-
6.	Un tratat editat într-o editură consacrată din străinătate[2]		$13\times(N_{ic}/N_a)$	-
7.	O monografie editată într-o editură consacrată din străinătate[2]		$8\times(N_{ic}/N_a)$	-
8.	Un tratat apărut în Editura Academiei Române		$13\times(N_{ic}/N_a)$	-
9.	O carte apărută în Editura Academiei Române		$10\times(N_{ic}/N_a)$	-

10.	O monografie apărută în Editura Academiei Române		$8\times(N_{ic}/N_a)$	-
11.	Un tratat editat în Editura Academiei Române		$7\times(N_{ic}/N_a)$	-
12.	O carte editată în Editura Academiei Române		$5\times(N_{ic}/N_a)$	-
13.	O monografie editată în Editura Academiei Române		$3\times(N_{ic}/N_a)$	-

[2] Se vor lua în considerare următoarele edituri străine: Academic Press, Appleton & Lange, Birkhauser, Blackwell, Cambridge University Press, CRC Press, Elsevier, Garland Publishing, Kluwer Academic Publishers, McGraw-Hill, Mosby, Nova Science Publishers, Oxford University Press, QMP, Springer Verlag,

Nr. crt.	Criteriu	n	Punctaj unitar	Punctaj acordat
14.	Un articol publicat într-o revistă cotată de *Web of Science* (Thomson Reuters)	40	$(1 + FI)\times(N_{ic}/N_a)$[4]	56.181
15.	O lucrare prezentată la o manifestare ştiinţifică internaţională, publicată integral într-o revistă cotată de *Web of Science* (Thomson Reuters)	-	$(1 + FI)\times(N_{ic}/N_a)$[4]	-
16.	O lucrare prezentată la o manifestare ştiinţifică internaţională, publicată integral într-un volum editat într-o editură consacrată din străinătate, inclusiv electronic (*Conference Proceedings Citation Index- Science*, *Web of Science*, Thomson Reuters)[2]	14	$2\times(N_{ic}/N_a)$	17.665
17.	Un capitol într-un tratat, carte sau monografie editate într-o editură consacrată din străinătate[2]	5	$13\times(N_{ic}/N_a)\times(N_p/N_{tp})$	1.897
18.	Un capitol într-un tratat, carte sau monografie editate în Editura Academiei Române	-	$7\times(N_{ic}/N_a)\times(N_p/N_{tp})$	-
19.	Număr de citări conform *Web of Science* (Thomson Reuters)	352	0,5	176
20.	Factor de impact cumulat conform *Web of Science* (Thomson Reuters)[3]	- 40	$FI\times(N_{ic}/N_a)$	35.139
21.	O carte apărută într-o editură consacrată din ţară[7]	1	$7\times(N_{ic}/N_a)$	6
22.	O carte editată într-o editură consacrată din ţară[7]	-	$3\times(N_{ic}/N_a)$	-
23.	Un articol apărut într-o revistă recunoscută de CNCS (B+) sau indexată într-o bază internaţională de date (BDI)	-	$1\times(N_{ic}/N_a)$	-
24.	O conferinţă invitată/plenară/*keynote* prezentată la o manifestare ştiinţifică internaţională	3	10	30
25.	O conferinţă invitată/plenară/*keynote* prezentată la o manifestare ştiinţifică naţională	-	5	-
26.	O comunicare orală prezentată la o manifestare ştiinţifică internaţională	14	$5\times(N_{ic}/N_a)$	52.143
27.	O comunicare orală prezentată la o manifestare ştiinţifică naţională	-	$2\times(N_{ic}/N_a)$	-
Punctaj total criterii de performanţă in cercetarea stiintifica				375.025

Thieme, Willey-Liss, Williams and

Pondere 40% x 375.025 = 150.01

Wilkins, World Scientific Publishing, alte edituri straine de aceeasi anvergura.

[3] Pentru fiecare articol se va lua în calcul factorul de impact (FI) al revistei împărţit la numărul total de autori (N_a) şi înmulţit cu numărul de autori din institutul/centrul evaluat (N_{ic}). Factorul de impact este publicat anual de *Web of Knowledge*, *Journal Citation Report* (Thomson Reuters), iar pentru calcul se va utiliza valoarea corespunzătoare anului apariţiei articolului.

[4] Pentru revistele din domeniile: Botanică, Zoologie, Ecologie, Agronomie etc., al căror FI este $\leq$ 2,0 punctajul total se înmulţeşte cu 1,5.

[5] Punctajul total va fi suma punctajelor unitare rezultate prin calcul.

[6] Pentru domeniul Ştiinţe Agricole produsele sunt soiuri noi de plante, hibrizi etc., iar punctajul unitar va fi 30.

n = număr programe, tratate, cărți, monografii, lucrări, citări etc.; FI = factor de impact; N_{ic} = număr autori din institut/centru; N_a = număr total de autori; N_p = număr pagini capitol; N_{tp} = număr total de pagini volum.

[7] Se vor lua în considerare cărțile științifice de autor ce apar în evidența Bibliotecii Naționale.

n = număr programe, tratate, cărți, monografii, lucrări, citări etc.; FI = factor de impact; N_{ic} = număr autori din institut/centru; N_a = număr total de autori; N_p = număr pagini capitol; N_{tp} = număr total de pagini volum.

5. Capacitatea de a atrage fonduri de cercetare (20%)

Nr. crt.	Criteriu		n	Punctaj unitar	Punctaj acordat
1.	Un grant câştigat de către institut/centru de la organizații internaționale	5000 - 10000 EUR	1	2	12
		10001 - 50000 EUR	1	4	
		50001 - 200000 EUR	1	6	
		200001 - 1000000 EUR		8	
		peste 1000000 EUR		10	
2.	Un grant câştigat de către institut/centru de la organisme naționale	sub 10000 RON		1	12
		10001 - 100000 RON	3	2	
		100001 - 500000 RON	2	3	
		peste 500000 RON		4	
3.	Un contract extrabugetar obținut de către institut/centru de la organizații internaționale sau naționale	sub 5000 RON	3	0,5	10.5
		5001 - 10000 RON	2	1	
		10001 - 100000 RON	2	2	
		peste 100000 RON	1	3	
4.	O manifestare ştiinţifică (congres, conferință, simpozion) sau şcoală de vară internațională organizată de institut		2	10	20
5.	O manifestare ştiinţifică (congres, conferință, simpozion) sau şcoală de vară națională organizată de institut			5	-
Punctaj total atragere fonduri de cercetare					**54.50**

Pondere de 20% x 54.50 = 10.90

6. Capacitatea de a dezvolta servicii, tehnologii, produse (10%)

Nr. crt.	Criteriu		n	Punctaj unitar	Punctaj acordat
1.	Un brevet acordat	la nivel internațional	-	10	-
		la nivel național	-	5	-
2.	Un brevet aplicat	la nivel internațional	-	20	-
		la nivel național	-	10	-
3.	Un brevet citat în *Web of Science* (Thomson Reuters)		-	5	-
4.	Produse şi tehnologii rezultate din activități de cercetare bazate pe omologări sau inovații proprii (produs vândut, sume încasate)[6]		-	20	-
5	Un laborator de cercetare-dezvoltare acreditat		-	20	-
6	Studii de impact si servicii comandate de un beneficiar		18	5	90
	Punctaj total dezvoltare servicii s.a.				**90**

Pondere de 10% x 90 = 9

7. Capacitatea de a pregati superior tineri cercetatori (doctorat, post-doctorat) (10%)

Nr. crt.	Criteriu	n	Punctaj unitar	Punctaj acordat
1.	Institutul/centrul are dreptul de a conduce doctorate	1	20	20
2.	Un conducător de doctorat care activează în institut/centru	5	20	100

3.	Un doctorand	16	10	160
4.	Un post-doctorand	3	10	30
5.	Un cercetator angajat in institut/centru care a obtinut titlul de doctor in perioada de evaluare	3	10	30
Punctaj total pregatire tineri cercetatori				**340**

Pondere de 10% x 340 = 34

8. Prestigiu ştiinţific (toată perioada de activitate) (20%)

Nr. crt.	**Criteriu**	**n**	**Punctaj unitar**	**Punctaj acordat**
1.	Un membru în colectivul de redacție al unei reviste naționale/internaționale (cotată de *Web of Science*, Thomson Reuters sau indexată într-o BDI) sau în colectivul editorial al unor edituri internaționale consacrate[2]	14	20	280
2.	Un membru în conducerea unei organizații internaționale de specialitate	1	20	20
3.	Un membru al Academiei Române	1	50	50
4.	Un cercetător cu un indice Hirsch peste 8	6	20	120
5.	Un membru de onoare (*fellow*, *senior*) al unei societăți ştiinţifice naționale/internaționale	1	20	20
6.	Un premiu al Academiei Române	-	20	-
7.	Un premiu (distincție) al unei societăți ştiinţifice naționale obținut printr-un proces de selecție	1	10	10
8.	Un premiu (distincție) al unei societăți ştiinţifice internaționale obținut printr-un proces de selecție	3	40	120
Punctaj total prestigiu ştiinţific				**620**

Pondere de 20% x 620 = 124

Punctaj total criterii performanta stiintifica, atragere de fonduri, performanta dezvoltare, pregatire tineri şi prestigiu ştiinţific	**327.91**

Director

Dr. Otilia Costisor

Anexa 4.14

Un articol publicat într-o revistă cotată de *Web of Science* (Thomson Reuters)

1.	Goodarzi M., Funar-Timofei S., Vander Heyden Y. Towards better understanding of feature selection/reduction techniques for QSAR models ***TrAC-Trend. Anal. Chem***. 42: 49-63, **2013**	(1+6.273)x(1/3)	2.424
2.	Margan D., Ilia G., Borota A., Mracec M. Conformational analysis of prostaglandin E2. II ***Rev.Roum.Chim.*** 57: 449-456, **2012**	(1 + 0.418)×(2/4)	0.709
3.	Halip L., Gruia A.T., Borota A., Mracec M., Curpan R.F., Mracec M. 3D homology model of the alpha(2C)-adrenergic receptor subtype ***Rev.Roum.Chim.***, 57, 763-768, **2012**	(1 + 0.418)×(4/6)	0.945
4.	Ostopovici-Halip L., Rad-Curpan R., Modeling of ligand binding to dopamine D2 receptor, ***J.Serb. Chem. Soc.*** (2013) doi: 10.2298/JSC130208046O	(1+0.912)x(2/2)	1.912
5.	Crisan L., Pacureanu L., Bora A., Avram S., Kurunczi L., Implementation of PLS discriminant analysis to rank indirubin derivatives against decoys, ***Cent. Eur. J. Chem.*** 11(10): 1644-1656, **2013**	(1 + 1.167)×(4/5)	1.734
6.	Crisan L., Pacureanu L., Avram S., Bora A., Avram S., Kurunczi L., Shape-based similarity and PLS analysis of maleimide derivatives, ***J. Enz. Inhib. Med. Chem.*,** DOI:10.3109/14756366.2013.833196, **2013**	(1 + 1.495)×(4/6)	1.664
7.	Avram S.I., Crisan L., Bora A., Pacureanu L.M., Avram S., Kurunczi L. Retrospective group fusion similarity search based on eROCE evaluation metric, ***Bioorg. Med. Chem.*** 21(5): 1268-1278, **2013**	(1+2.903)×(4/6)	2.602
8.	Ivan D., Funar-Timofei S., Medeleanu M., Mracec M., Mracec M. Formation Enthalpy for conformers of (3s,5s,6s)-6-Acetylamidopenicillanic Acid calculated by the PM6 and PM7 semiempirical MO Methods, ***Rev. Roum. Chim***. 58(4-5): 463-472, **2013**.	(1+0.331)x(3/5)	0.799
9.	Tarabukina E., Fagadar-Cosma E., Enache C., Zakharova N., Birdeanu M. Molecular Properties and Aggregation of Porphyrin Modified Polysiloxane in Solutions ***J. Macromol. Sci. Phys.*** 52(8): 1077-1091, **2013**	(1+0.807)x(2/5)	0.723
10.	Vlascici D., Popa I., Chiriac V.A., Fagadar-Cosma G., Popovici H., Fagadar-Cosma E. Potentiometric detection and removal of copper using porphyrins ***Chem. Centr. J***. 7(1): 111, **2013**	(1+1.31)x(1/6)	0.385

11.	Iordache S., Cristescu R., Popescu A.C., Popescu C.E, Dorcioman G.,. Mihailescu I.N, Ciucu A.A., Balan A., Stamatin I., Fagadar-Cosma E., Chrisey D.B. Functionaliyed porphzrin conjugate thin films deposited BZ matrix assisted pulsed laser evaporation ***Appl. Surf. Sci.*** 278: 207-210, **2013**	(1+2.112)x(1/11)	0.283
12.	Bîrdeanu M., Bîrdeanu A.-V., Gruia A.S., Fagadar-Cosma E., Avram C.N. Synthesis and characterization of $Zn_3Ta_2O_8$ nanomaterials by hydrothermal method ***J. Alloy. Compd.*** 573: 53–57, **2013**	(1+2.390)x(1/5)	0.678
13.	Fagadar-Cosma E., Gil-Agusti M. Press release FP7-Project SOMABAT- Development of novel solid materials for high power Li polymer batteries (SOMABAT) recyclability of components-press release ***Rev. Chim. Buc***. 63(10): 2 pag. **2012**	(1+ 0.538)x(1/2)	0.769
14.	Creangă I., Făgădar-Cosma G., Palade A., Lascu A., Enache C., Birdeanu M., Făgădar-Cosma E. New hybrid silver colloid-A_3B porphyrin complex exhibiting wide band absorption ***Digest J. Nanomater. Bios.*** 8(2): 561-572, **2013**	(1+ 1.092)x(5/7)	1.494
15.	Palade A., Fagadar-Cosma G., Lascu A. Creanga I., Birdeanu M., Făgădar-Cosma E. New porphzrin-based spectrometric sensor for Ag^0 detection ***Digest J. Nanomater. Bios.*** 8(3): 1013-1022, **2013**	(1+1.092)x(3/3)	2.092
16.	Birdeanu M, Birdeanu A.V., Fagadar-Cosma E., Enache C., Miron I., Grozescu I. Structural, morphological, optical and thermal properties of the $ZnTa_2O_6$ nanomaterials obtained by solid state method ***Digest J. Nanomater. Bios.*** 8(1): 263-272, **2013**	(1+1.092)x(2/6)	0.697
17.	Ilia G., Crasmareanu E., Pascut D., Darabanti L., Simulescu V. The use of mass spectrometry in obstetric and gynecology ***Cent. Eur. J. Chem.*** *11(5)*: 645-654, **2013**	(1+1.167)x(3/5)	1.300
18.	Balint E., Tajti A., Drahos L., Ilia G., Keglevich G. Alcoholysis of dialkyl phosphites under microwave conditions ***Curr. Org. Chem.*** 17*(5)*: 555-562, **2013**	(1+3.434)x(1/5)	0.887
19.	Petric M., Crisan L., Crisan M., Micle A., Maranescu B., Ilia G. Synthesis and QSRR Study for a Series of Phosphoramidic Acid Derivatives ***Heteroatom Chem.*** 24(2): 138 -145, **2013**.	(1+1.577)x(4/6)	1.718
20.	Margan D. Borota A., Ilia G., Mracec M. Conformational Analysis for prostglandin E2II ***Rev. Roum. Chim***. 57(4-5): 449-456, **2012**	(1+0.331)x(3/4)	0.998
21.	Crasmareanu E., Simulescu V., Ilia G. Synthesis by Reversed Phase Transfer Catalysis and Characterization of Naphthol AS-D pigment ***J. Chem.*** Article ID 545374, **2013**.	(1+0.484)x(3/3)	1.484
22.	Crisan M., Bouros P., Chumakov Y., Petric M., Ilia G. Supramolecular assembly and ab initio quantum chemical calculations of 2-hydroxyethylammonium salts of para-	(1+4.689)x(3/5)	3.413

	substituted benzoic acids ***Cryst. Growth Des.*** 13(1): 143-154, **2013**		
23.	Grad M.E., Simu G.M., Muntean S.G., Ilia G. Synthesis, characterization and colour determination using CIELAB colour space of stilbene dyes, ***J. Iran. Chem. Soc.*** 10(4): 807-816, **2013**	(1+2.072)x(3/4)	2.304
24.	Muntean S.G., Paska O.M., Coseri S., Simu G.M., Grad M.E., Ilia G. Evaluation of a functionalized copolymer as adsorbent on direct dyes removal process: kinetics and equilibrium studies ***J. Appl. Polym. Sci.*** 127(6): 4409-4421, **2013**	(1+1.395)x(4/6)	1.597
25.	Pacurariu C., Mihoc G., Popa A., Muntean S.G., Ianos R. Adsorption of phenol and p-chlorophenol from aqueous solutions on poly (styrene-co-divinylbenzene) functionalized materials, ***Chem. Eng. J.*** 222: 218–227, **2013**	(1+3.461)x(2/5)	1.784
26.	Plesu N., Kellenberger A., Taranu I., Taranu B.O., Popa I. Impedimetric detection of dopamine on poly(3-aminophenylboronic acid) modified skeleton nickel electrodes ***React. Functional Polym***. 73(5): 772-778, **2013**	(1+2.505)x(1/5)	0.701
27.	Kellenberger A., Plesu N., Tara-Lunga Mihali M., Vaszilcsin N. Synthesis of polyaniline nanostructures by electrochemical deposition on niobium, ***Polymer*** 54(13): 3166-3174, **2013**	(1+3.379)x(2/4)	2.190
28.	Iliescu S., Zubizarreta L., Plesu N., Macarie L., Popa,A., Ilia G. Polymers containing phosphorus groups and polyethers: from synthesis to application ***Chem. Cent. J.*** 6: 132, **2012** (neraportata in 2012)	(1+1.312)x(5/6)	1.927
29.	Buruiana L.-I., Avram E., Popa A., Stoica I., Ioan S. Influence of triphenylphosphonium pendant groups on the rheological and morphological properties of new quaternized polysulfone ***J. Appl. Polym. Sci.*** 129(4): 1752-1762, **2013**	(1+1.395)x(1/5)	0.479
30.	Ciopec M., Davidescu C.- M., Negrea A., Lupa L., Popa A., Muntean C., R. Ardelean, G. Ilia Synthesis, characterization, and adsorption behavior of aminophosphinic grafted on poly(styrene-Co-divinylbenzene) for divalent metal ions in aqueous solutions ***Polym. Eng. Sci.*** 53(5): 1117-1124, **2013**	(1+1.243)x(2/8)	0.561
31.	Parvulescu V., Niculescu V., Ene R., Popa A., Mureseanu M., Ene C. D., Andruh M. Supported monocationic copper(II) complexes obtained by coordination with dialkylphosphonate groups on styrene-divinylbenzene copolymer as catalysts for oxidation of organic compounds ***J. of Molec. Catalysis A-Chemical***, 366: 275-281, **2013**	(1+3.187)x(1/7)	0.598
32.	Davidescu C.-M., Ciopec M., Negrea A., Popa A., Lupa L., Dragan E.-S., Ardelean R., Ilia G., Iliescu S. Synthesis, characterization, and Ni(II) ion sorption properties of poly(styrene-co-divinylbenzene) functionalized with	(1+1.332)x(3/9)	0.777

	aminophosphonic acid groups, ***Polym. Bull***. 70(1): 277-291, **2013**		
33.	Visa A., Maranescu B., Bucur A., Iliescu S., Demadis K. Synthesis and Characterization of a Novel Phosphonate Metal Organic Framework Starting from Copper Salts ***Phosphorus Sulfur*** **DOI:** 10.1080/10426507.2013.843004, **2013**	(1+0.601)x(3/5)	0.961
34.	Holclajtner-Antunovic I.D., Popa A., Bajuk-Bogdanovic D.V., Mentus S., Nedic Vasiljevic B.M., Uskokovic-Markovic S.M , Synthesis and characterization of acid silver salts of 12-tungstophosphoric acid, ***Inorg. Chim. Acta,*** 407, 197–203, **2013**	(1 + 1.899)×(1/6)	0.483
35.	Popa A., Sasca V., Verdes O., Barvinschi P., Holclajtner-Antunović I. Acidic and neutral cesium salts of 12-molybdophosphoric acid supported on SBA-15 mesoporous silica. The influence of Cs concentration and surface coverage on textural and structural properties, ***Mater. Res. Bull.***, 50, 312-322, **2014**	(1 + 1.913)×(3/5)	1.748
36.	Vlad-Oros B., Dascalu D., Dudas Z., Popovici H., Preda G., Ostafe V. Equilibrum and Kinetics Studies Regarding the Adsorption of Copper (II) Ions by various types of Chitosan Beads ***Dig. J. Nanomater. Bios.,*** 8(3), 917 – 927, **2013**	(1+1.092)×(1/6)	0.349
37.	Sasca V., Verdes O., Avram L., Popa A., Erdohelyi A., Oszko A., The $Cs_xH_{3-x}PW_{12}O_{40}$ catalysts microstructure model, ***Appl Catal A: Gen*** 451 50–57 **2013**	(1 + 3,410)×(4/6)	2.940
38.	Sasca V., Popa A., Band-gap energy of heteropoly compounds containing Keggin polyanion-$[PV_xMo_{12-x}O_{40}]^{-(3+x)}$ relates to counter-cations and temperature studied by UV-VIS diffuse reflectance spectroscopy ***J Appl Phys*****,** 114, 133503(1-7) **2013**	(1 + 2,210)×(2/2)	3.210
39.	Sasca V., Verdes O., Avram L., Popa A., Thermal decomposition of Pd doped 12-tungstophosphoric acid and some of its cesium salts ***Rev Roum Chim*** *58*(4-5) 451-461 **2013**	(1 + 0,331)×(4/4)	1.331
40.	Putz M.V**.,** Putz A.M. DFT Chemical Reactivity Driven by Biological Activity: Applications for the Toxicological Fate of Chlorinated PAHs. ***Structure and Bonding*** 150 (**2013**) 181–232; DOI: 10.1007/978-3-642-32750-6_6;	(1 + 4.068)×(1/2)	2.531
		TOTAL	**56.181**

Anexa 4.15

O lucrare prezentată la o manifestare ştiinţifică internaţională, publicată integral într-o revistă cotată de *Web of Science* (Thomson Reuters)

Anexa 4.16

O lucrare prezentată la o manifestare ştiinţifică internaţională, publicată integral într-un volum editat într-o editură consacrată din străinătate, inclusiv electronic (*Conference Proceedings Citation Index- Science*, *Web of Science*, Thomson Reuters)[2]

1.	Beteringhe A., Soloi A., Balan C., Iosif D., Costea M., Fagadar-Cosma E. HYDROBET – a novel method for calculation of hydrophobic/hydrophilic balance of New Asymmetric Porphyrins as Potential Photosensitizers in Photodynamic Therapy. The usefulness of the new APORBET index in the QSPR studies ***Proceedings of the 6th WSEAS International Conference on Computational Chemistry (COMPUCHEM '12): Advances in Environment, Computational Chemistry and Bioscience***, Montreux**,** Switzerland, **2012**, 308-313	2×(1/6)	0.333
2.	Lascu A., Birdeanu M., Creanga I., Palade A. About the aggregation behaviour of hydroxy-porphyrin Fe(III) complex ***Proceedings of the 19th International Symposium on Analytical and Environmental Problems***, Szeged, **2013,** 193-196	2×(3/4)	1.5
3.	Muntean S.G., Rădulescu-Grad M.E. Decontamination of colored wastewaters Using a synthetic sorbent ***Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection***, **2013**, 96-99.	2×(2/2)	2
4.	Rădulescu-Grad M.E., Muntean S.G. Colour determination using CIELAB colour space of stilbene dye ***Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection***, **2013**, 113-116	2×(2/2)	2
5.	Plesu N., Kellenberger A., Taranu B.O, Taranu I., Popa I., Dragos A. Poly(3-aminophenylboronic acid) modified nickel Raney Nickel electrode ***Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection***, Timişoara, România, **2013**, 92-95	2×(1/6)	0.333
6.	Buruiana L.l., Avram E., Popa A., Ioan S. Microarhitecture of quaternized polysulfone/poly(vinylidene floride) blend for scaffolds in tissue engineering ***Research People and Actual Tasks on Multidisciplinary***	2×(1/4)	0.5

	Science, 12 - Lozenec, Bulgaria, **2013**, 67-71		
7.	Buruiana L. I., Avram E., Popa A., Ioan S. Origin of shear thinning behaviour of poly(vinylidene fluoride)/quaternized polysulfone solutions with implication in biomedical applications ***10th HSTAM International Congress on Mechanics Chania***, Crete, Greece, **2013**, 1-8	2×(1/4)	0.5
8.	Taranu B.-O., Fagadar-Cosma E., Popa I., Fagadar-Cosma G., Vlascici D., Birdeanu M. I., Taranu I. Preliminary studies on glassy carbon electrode modified with a novel functionalized A_3B porphyrin. Application as potentiometric cation sensor ***Proceedings of the 19th International Symposyium on Analytical and Environmental Problems***, 23 September **2013**, Szeged, Ungaria, 80-83, ISBN 978-963-315-141-9.	2x(1/7)	0.285
9.	Bora A., Crisan L., Avram S., Neanu C., Pacureanu L. Preliminary molecular docking study of 2-phenyl-chroman-4-one derivatives against cyclin dependent kinases ***13th Edition of Timisoara's Academic Days, New Trends and Strategies in the Chemistry of Advanced materials with relevance in Biological Systems, technique and Environmental Protection, Chemistry***, 13-14 June **2013**, 100-105, Timisoara, Romania	2x(5/5)	2
10.	Crisan L., Pacureanu L., Bora A., Avram S., Ivan D., Neanu C., Kurunczi L., Preliminary PLS study of 38 benzufuran-3-yl-(indol-3-yl) maleimide and 18 4-azaindolyl-indolyl-maleimide derivatives using DRAGON and MOPAC descriptors ***13th Edition of Timisoara's Academic Days, New Trends and Strategies in the Chemistry of Advanced materials with relevance in Biological Systems, technique and Environmental Protection, Chemistry***, 3-14 June **2013**, 117-121, Timisoara, Romania, (Electronic vol. ISSN:2065-0760)	2x(6/7)	1.714
11.	Ivan D., Crisan L., Pacureanu L., 3D-similarity analysis of HIV1- reverse transcriptase inhibitors ***13th Edition of Timisoara's Academic Days, New Trends and Strategies in the Chemistry of Advanced materials with relevance in Biological Systems, technique and Environmental Protection, Chemistry***, 3-14 June **2013**, 126-129, Timisoara, Romania, (Electronic vol. ISSN:2065-0760)	2x(3/3)	2
12.	Funar-Timofei, S.; Rad-Curpan, R.; Ostopovici-Halip, L.; Bora A. Conformational Analysis of a Thiosemicarbazone Derivative Having in Vitro Antimicrobial Activity by Molecular Mechanics and Ab Initio Methods. ***Proceedings of the 16th Int. Electron. Conf. Synth. Org. Chem***., 1-30 November 2012; Sciforum Electronic Conference Series, Vol. 16, **2012**, http://sciforum.net/conference/ecsoc-16/paper/1040 (neraportată în 2012).	2x(4/4)	2
13.	Funar-Timofei, S.; Avram, S.; Borota, A. Structure-Toxicity Study of Some Pyrethroidal Esters		2

	Insecticides. ***Proceedings of the 17th Int. Electron. Conf. Synth. Org. Chem.*****,** 1-30 November 2013; Sciforum Electronic Conference Series, Vol. 17, **2013**, e012; doi:10.3390/ecsoc-17-e012, http://www.sciforum.net/conference/ecsoc-17/paper/2250	2x(3/3)	
14.	Funar-Timofei, S.; Simu G.; Ionescu D.; Chicu S. A. Sudan I Structure Study By *Ab Initio* Methods ***Proceedings of the 19th International Symposium ON Analytical and Environmental Problems*****, SZAB,** 23 September 2013, Szeged, Hungary, Zoltán Galbács (Ed.), ISBN 978-963-315-141-9, pag. 197-200.	2x(1/4)	0.500
		TOTAL	**17.665**

Anexa 4.17

Un capitol într-un tratat, carte sau monografie editate într-o editură consacrată din străinătate

Punctaj: $13\times(N_{ic}/N_a)\times(N_p/N_{tp})$

1. Putz, M. V.; Putz, A.-M.

DFT Chemical Reactivity Driven by Biological Activity: Applications for the Toxicological Fate of Chlorinated PAHs
Book Editor(s): Putz, MV; Mingos, DMP
Source: APPLICATIONS OF DENSITY FUNCTIONAL THEORY TO BIOLOGICAL AND BIOINORGANIC CHEMISTRY Book Series: Structure and Bonding Volume: 150 Pages: 181-231 DOI: 10.1007/978-3-642-32750-6_6
Ed. Springer Verlag, Berlin-Heidelberg, Germany (**2013**), 288 pp.; ISBN (Hardcover): 978-3-642-32749-0

13x(1/2)x(52/288)= 1.174

2. Putz M.V**.**, Putz A.M., Barou R.

"Spectral-SAR Realization of OECD-QSAR Principles", In: "*ADVANCES IN CHEMICAL MODELING. VOLUME 3*", M.V. Putz (Ed.) NOVA Science Publishers, Inc., New York, USA (**2013**), Chapter 32, pp. 449-464, numar de pagini **494**

13×(1/3)×(17/494)= 0.149

3. Putz A.M., Putz M.V.

" Spectral-Structure Activity Relationship (Spectral-SAR) Assessment of Ionic Liquids' in Silico Ecotoxicity", in "*IONIC LIQUIDS - NEW ASPECTS FOR THE FUTURE*", Jun-ichi Kadokawa (Ed.), InTech, Inc., Rijeka-New York-Shanghai, Croatia-USA-China (**2013**), ISBN: 978-953-51-0937-2, Chapter 4 (DOI:10.5772/51657), pp. 85-126, numar de pagini 695

13×(1/2)×(43/695)= 0.402

4. Putz M.V**.,** Ori O., De Corato M., Putz A.M., Benedek G., Cataldo F., Graovac A.

Introducing „Colored" Molecular Topology by Reactivity Indices of Electronegativity and Chemical Hardness, in "*TOPOLOGICAL MODELING OF NANOSTRUCTURES AND EXTENDED SYSTEMS*", 575 p. ;Ali Reza Ashrafi, Franco Cataldo, Ali Iranmanesh, Ottorino Ori (Eds.), Springer Verlag, Dordrecht, NL (**2013**) Chapter 9, pp. **265-286**;

13×(1/7)×(23/575)= 0.074

5. Putz M.V**.**, Tudoran M.A., Putz A.M.

Modeling Chlorinated Polycyclic Aromatic Hydrocarbons (Cl-PAH) Eco- and Toxico-logy by QSAR-OECD ToolBox Facility, 427-438 In: "*ADVANCES IN CHEMICAL MODELING. VOLUME 4*", M.V. Putz (Ed.) NOVA Science Publishers, Inc., New York, USA (**2013**), Chapter 30, numar de pagini **572**

13×(1/3)×(13/572) = 0.098

TOTAL: 1.897

Anexa 4.18

Un capitol într-un tratat, carte sau monografie editate în Editura Academiei Române

Anexa 4.19

Citări conform *Web of Science* (Thomson Reuters)

T 1. Goodarzi M., Bora A., Borota A., Funar-Timofei S,, Avram S,, Heyden Y,V.
Modeling of 2-Pyridin-3-yl-Benzo[d][1,3]Oxazin-4-one Derivatives by Several Conformational Searching Tools and Molecular Docking
Curr. Pharm. Design 19(12): 2194-2203, **2013**
C 1. Correa-Basurto, J.
Molecular Modeling and QSAR Studies for Drug Design
Curr. Pharm. Design 19(12): 2137-2137, APR **2013**

T 2. Funar-Timofei S., Kurunczi L., Vlaia V., Olariu T., Ciubotariu D.
Quantitative Dye Structure-Toxicity Relationships Study by PLS
Book Editor(s): Cepisca C., Kouzaev G.A., Mastorakis N.E.
Conference: 2nd European Computing Conference 2008 Location: MALTA Date: SEP 11-13, 2008 ***Proceedings of the 2nd European Computing Conference: New Aspects on Computers Reseach*** Book Series: Recent Advances in Computer Engineering, Pages: 108-113, **2008**
C 2. Luan F., Xu X., Liu H., Cordeiro M. N. D. S.
Review of quantitative structure-activity/property relationship studies of dyes: recent advances and perspectives
Color. Technol. 129(3): 173-186, JUN **2013**

T 3. Funar-Timofei S., Ilia G.
Theoretical study of organic-inorganic hybrids obtained by grafting reaction of vinyl phosphonic acid on titanium oxide
J. Optoelectron. Adv. M. 9(12): 3933-3938, **2007**
C 3. Siddabattuni S., Schuman T. P., Petrovsky V., Dogan F.
Impedance Analysis of Dielectric Nanoparticles Enabled via a Self-Assembled Monolayer
J. Am. Ceram. Soc. 96(5): 1490-1496, MAY **2013**

T 4. Kurunczi L., Funar-Timofei S., Bora A., Seclaman E.
Application of the MTD-PLS method to Heterocyclic dye-cellulose interactions
Int. J. Quantum Chem. 107(11): 2057-2065, **2007**
C 4. Luan F., Xu X., Liu H., Cordeiro M. N. D. S.
Review of quantitative structure-activity/property relationship studies of dyes: recent advances and perspectives
Color. Technol. 129(3): 173-186, JUN **2013**

T 5. Funar-Timofei S., Kurunczi L., Iliescu S.
Structure-property study of some phosphorus-containing polymers by computational methods
Polym. Bull. 54(6): 443-449, **2005**
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QSPR prediction of thermal decomposition property of non-vinyl polymers having alpha-amino acids moieties
Polym. Bull. 70(2): 715-732, FEB **2013**

T 6. Schuurmann G., Funar-Timofei S.
Multilinear regression and comparative molecular field analysis (CoMFA) of azo dye-fiber affinities. 2. Inclusion of solution-phase molecular orbital descriptors
J. Chem. Inf. Comp. Sci. 43(5): 1502-1512, **2003**
C 6. Luan F., Xu X., Liu H., Cordeiro M. N. D. S.
Review of quantitative structure-activity/property relationship studies of dyes: recent advances and perspectives
Color. Technol. 129(3): 173-186, JUN **2013**

T 7. Funar-Timofei S., Suzuki T., Paier J.A., Steinreiber A., Faber K., Fabian Walter M. F. Quantitative structure - Activity relationships for the enantioselectivity of oxirane ring-opening catalyzed by epoxide hydrolases
J. Chem. Inf. Comput. Sci. 43(3): 934-940, **2003**
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Predicting CYP2C19 catalytic parameters for enantioselective oxidations using artificial neural networks and a chirality code
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C 8. Cunha, D.; Gaudin, C.; Colinet, I.; Horcajada P., Maurin G., Serre C.
Rationalization of the entrapping of bioactive molecules into a series of functionalized porous zirconium terephthalate MOFs
J. Mater. Chem. B 1(8): 1101-1108, **2013**

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Comparative molecular field analysis (CoMFA) of anionic azo dye-fiber affinities I: Gas-phase molecular orbital descriptors
J. Chem. Inf. Comp. Sci. 42(4): 788-795 **2002**
C 9. Luan F., Xu X., Liu H., Cordeiro M. N. D. S.
Review of quantitative structure-activity/property relationship studies of dyes: recent advances and perspectives
Color. Technol. 129(3): 173-186, JUN **2013**

T 9. Timofei S., Kurunczi L., Schmidt W., Simon Z.
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SAR QSAR Environ. Res. 13(2): 219-226, **2002**
C 10. Luan F., Xu X., Liu H., Cordeiro M. N. D. S.
Review of quantitative structure-activity/property relationship studies of dyes: recent advances and perspectives
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T 10. Suzuki T., Timofei S., Kurunczi L., Dietze U., Schueuermann G.
Correlation of aerobic biodegradability of sulfonated azo dyes with the chemical structure
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Review of quantitative structure-activity/property relationship studies of dyes: recent advances and perspectives
Color. Technol. 129(3): 173-186, JUN **2013**
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Enzyme based cleavage strategy of Bacillus lentus BI377 in response to metabolism of azoic recalcitrant
Bioresource Technol. 130: 360-365, FEB **2013**

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Bioremediation of Direct Blue 14 and Extracellular Ligninolytic Enzyme Production by White Rot Fungi: Pleurotus Spp.
BioMed Research International Article Number: 180156, **2013**, http://dx.doi.org/10.1155/2013/180156
C 14. Barka N., Ouzaouit K., Abdennouri M., Makhfouk M. El
Dried prickly pear cactus (Opuntia ficus indica) cladodes as a low-cost and eco-friendly biosorbent for dyes removal from aqueous solutions
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T 11. Suzuki T., Timofei S., Iuoras B.E., Uray G., Verdino P., Fabian W. M. F.
Quantitative structure-enantioselective retention relationships for chromatographic separation of arylalkylcarbinols on Pirkle type chiral stationary phases
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Review of quantitative structure-activity/property relationship studies of dyes: recent advances and perspectives
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Structure - Property relationships for dyes of different nature
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T 13. Timofei S., Fabian W.M.F.
Comparative molecular field analysis of heterocyclic monoazo dye-fiber affinities
J. Chem. Inf. Comp. Sci. 38(6): 1218-1222, **1998**
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Review of quantitative structure-activity/property relationship studies of dyes: recent advances and perspectives
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T 14. Timofei S., Kurunczi L., Suzuki T., Fabian W. M. F., Mureşan S.
Multiple Linear Regression (MLR) and Neural Network (NN) calculations of some disazo dye adsorption on cellulose

Dyes Pigments 34(3): 181-193, **1997**
C 21. Luan F., Xu X., Liu H., Cordeiro M. N. D. S.
Review of quantitative structure-activity/property relationship studies of dyes: recent advances and perspectives
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Dyes Pigments 33(1): 41-64, **1997**
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Review of quantitative structure-activity/property relationship studies of dyes: recent advances and perspectives
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One-pot synthesis of 2,3-benzodiazepines from arynes and β-diketones
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J. Mol. Struc.-THEOCHEM, 340 (1-3): 73-81, **1995**
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Adv. Mat. Res. 821-822: 488-492, **2013**

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J. Nat. Prod., 76(3): 439-444, **2013**
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J. Chem. Inf. Model., 53(2): 461-474, **2013**
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J. Mol. Graph. Model., 29(8): 1030-1038, **2011**
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Mechanism of Selective Inhibition of Yohimbine and Its Derivatives in Adrenoceptor alpha 2 Subtypes
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Nat. Chem. Biol., 5(7): 441-447, **2009**
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Mater. Plast., 47 (1) , pp. 28-34, **2010**
C352. Pascariu MC, Rusnac LM, Macsim AM
Tethered glycoderivatives with unsaturated spacer: Synthesis and characterization ***Synth. Comm.*** 42 (17): 2503-2511, **2012**

TOTAL: 352*0.5 **= 176**

Anexa 4.20

Factor de impact cumulat conform *Web of Science* (Thomson Reuters)[3]
$FI \times (N_{ic}/N_a)$

1.	M. Goodarzi, S. Funar-Timofei, Y. Vander Heyden Towards better understanding of feature selection/reduction techniques for QSAR models ***TrAC-Trend. Anal. Chem.***, 42, 49-63, **2013**	6.273x(1/3)	2.091
2.	Margan D., Ilia G., Borota A., Mracec M. Conformational analysis of prostaglandin E2. II ***Rev.Roum.Chim.***, 57, 449-456, **2012**	0.418×(2/4)	0.209
3.	Halip L., Gruia A.T., Borota A., Mracec M., Curpan R.F., Mracec M. 3D homology model of the alpha(2C)-adrenergic receptor subtype ***Rev.Roum.Chim.***, 57, 763-768, **2012**	0.418×(4/6)	0.279
4.	Liliana Ostopovici-Halip, Ramona Rad-Curpan, Modeling of ligand binding to dopamine D2 receptor, ***J.Serb. Chem. Soc.*** (2013) doi: 10.2298/JSC130208046O	0.912x(2/2)	0.912
5.	Crisan L., Pacureanu L., Bora A., Avram S., Kurunczi L., Implementation of PLS discriminant analysis to rank indirubin derivatives against decoys, ***Cent. Eur. J. Chem.***, 11(10), 1644-1656, **2013**	1.167×(4/5)	0.934
6.	Crisan L., Pacureanu L., Avram S., Bora A., Avram S., Kurunczi L., Shape-based similarity and PLS analysis of maleimide derivatives, ***J. Enz. Inhib. Med. Chem.*,** DOI:10.3109/14756366.2013.833196, **2013**	1.495×(4/6)	0.997
7.	Avram S.I., Crisan L., Bora A., Pacureanu L.M., Avram S., Kurunczi L. Retrospective group fusion similarity search based on eROCE evaluation metric, ***Bioorg. Med. Chem.***, 21(5), 1268-1278, **2013**	2.903×(4/5)	2.322
8.	Ivan D., Funar-Timofei S., Medeleanu M., Mracec M., Mracec M. Formation Enthalpy for conformers of (3s,5s,6s)-6-Acetylamidopenicillanic Acid calculated by the PM6 and PM7 semiempirical MO Methods, ***Rev. Roum. Chim***., 58(4-5),463-472, **2013**.	0.331x(3/5)	0.199
9.	Tarabukina E., Fagadar-Cosma E., Enache C., Zakharova N., Birdeanu M. Molecular Properties and Aggregation of Porphyrin Modified Polysiloxane in Solutions ***J. Macromol. Sci. Phys.*** 52(8): 1077-1091, **2013**	0.807x(2/5)	0.323
10.	Vlascici D., Popa I., Chiriac V.A., Fagadar-Cosma G., Popovici H., Fagadar-Cosma E. Potentiometric detection and removal of copper using	1.31x(1/6)	0.218

	porphyrins ***Chem. Centr. J***. 7(1): 111, **2013**		
11.	Iordache S., Cristescu R., Popescu A.C., Popescu C.E, Dorcioman G.,. Mihailescu I.N, Ciucu A.A., Balan A., Stamatin I., Fagadar-Cosma E., Chrisey D.B. Functionaliyed porphzrin conjugate thin films deposited BZ matrix assisted pulsed laser evaporation ***Appl. Surf. Sci.*** 278: 207-210, **2013**	2.112x(1/11)	0.192
12.	Bîrdeanu M., Bîrdeanu A.-V., Gruia A.S., Fagadar-Cosma E., Avram C.N. Synthesis and characterization of $Zn_3Ta_2O_8$ nanomaterials by hydrothermal method ***J. Alloy. Compd.*** 573: 53–57, **2013**	2.390x(1/5)	0.478
13.	Press release FP7-Project Fagadar-Cosma E., Gil-Agusti M. SOMABAT- Development of novel solid materials for high power Li polymer batteries (SOMABAT) recyclability of components-press release ***Rev. Chim***. ***Buc***. 63(10): 2 pag. **2012**	0.538x(1 /2)	0.269
14.	Creangă I., Făgădar-Cosma G., Palade A., Lascu A., Enache C., Birdeanu M., Făgădar-Cosma E. New hybrid silver colloid-A_3B porphyrin complex exhibiting wide band absorption ***Digest J. Nanomater. Bios.*** 8(2): 561-572, **2013**	1.092x(5/7)	0.780
15.	Palade A., Fagadar-Cosma G., Lascu A. Creanga I., Birdeanu M., Făgădar-Cosma E. New porphzrin-based spectrometric sensor for Ag^0 detection ***Digest J. Nanomater. Bios.*** 8(3): 1013-1022, **2013**	1.092x(3 /3)	1.092
16.	Birdeanu M, Birdeanu A.V., Fagadar-Cosma E., Enache C., Miron I., Grozescu I. Structural, morphological, optical and thermal properties of the $ZnTa_2O_6$ nanomaterials obtained by solid state method ***Digest J. Nanomater. Bios.*** 8(1): 263-272, **2013**	1.092x(2/6)	0.364
17.	Ilia G., Crasmareanu E., Pascut D., Darabanti L., Simulescu V. The use of mass spectrometry in obstetric and gynecology ***Cent. Eur. J. Chem.*** *11(5)*: 645-654, **2013**	1.167x(3/5)	0.700
18.	Balint E., Tajti A., Drahos L., Ilia G., Keglevich G. Alcoholysis of dialkyl phosphites under microwave conditions ***Curr. Org. Chem.*** 17*(5)*: 555-562, **2013**	3.434x(1/5)	0.687
19.	Petric M., Crisan L., Crisan M., Micle A., Maranescu B., Ilia G. Synthesis and QSRR Study for a Series of Phosphoramidic Acid Derivatives ***Heteroatom Chem.*** 24(2): 138 -145, **2013**.	1.577x(4/6)	1.051
20.	Margan D. Borota A., Ilia G., Mracec M. Conformational Analysis for prostglandin E2II ***Rev. Roum. Chim***. 57(4-5): 449-456, **2012**	0.331x(3/4)	0.248

21.	Crasmareanu E., Simulescu V., Ilia G. Synthesis by Reversed Phase Transfer Catalysis and Characterization of Naphthol AS-D pigment ***J. Chem.*** Article ID 545374, **2013**.	0.484x(3/3)	0.484
22.	Crisan M., Bouros P., Chumakov Y., Petric M., Ilia G. Supramolecular assembly and ab initio quantum chemical calculations of 2-hydroxyethylammonium salts of para-substituted benzoic acids ***Cryst. Growth Des.*** 13(1): 143-154, **2013**	4.689x(3/5)	2.813
23.	Grad M.E., Simu G.M., Muntean S.G., Ilia G. Synthesis, characterization and colour determination using CIELAB colour space of stilbene dyes, ***J. Iran. Chem. Soc.*** 10(4): 807-816, **2013**	2.072x(3/4)	1.554
24.	Muntean S.G., Paska O.M., Coseri S., Simu G.M., Grad M.E., Ilia G. Evaluation of a functionalized copolymer as adsorbent on direct dyes removal process: kinetics and equilibrium studies ***J. Appl. Polym. Sci.*** 127(6): 4409-4421, **2013**	1.395x(4/6)	0.930
25.	Pacurariu C., Mihoc G., Popa A., Muntean S.G., Ianos R. Adsorption of phenol and p-chlorophenol from aqueous solutions on poly (styrene-co-divinylbenzene) functionalized materials, ***Chem. Eng. J.*** 222: 218–227, **2013**	3.461x(2/5)	1.384
26.	Plesu N., Kellenberger A., Taranu I., Taranu B.O., Popa I. Impedimetric detection of dopamine on poly(3-aminophenylboronic acid) modified skeleton nickel electrodes ***React. Functional Polym***. 73(5): 772-778, **2013**	2.505x(1/5)	0.501
27.	Kellenberger A., Plesu N., Tara-Lunga Mihali M., Vaszilcsin N. Synthesis of polyaniline nanostructures by electrochemical deposition on niobium, ***Polymer*** 54(13): 3166-3174, **2013**	3.379x(2/4)	1.690
28.	Iliescu S., Zubizarreta L., Plesu N., Macarie L., Popa,A., Ilia G. Polymers containing phosphorus groups and polyethers: from synthesis to application ***Chem. Cent. J.*** 6: 132, **2012** (neraportata in 2012)	1.312x(5/6)	1.093
29.	Buruiana L.-I., Avram E., Popa A., Stoica I., Ioan S. Influence of triphenylphosphonium pendant groups on the rheological and morphological properties of new quaternized polysulfone ***J. Appl. Polym. Sci.*** 129(4): 1752-1762, **2013**	1.395x(1/5)	0.279
30.	Ciopec M., Davidescu C.- M., Negrea A., Lupa L., Popa A., Muntean C., R. Ardelean, G. Ilia Synthesis, characterization, and adsorption behavior of aminophosphinic grafted on poly(styrene-Co-divinylbenzene) for divalent metal ions in aqueous solutions ***Polym. Eng. Sci.*** 53(5): 1117-1124, **2013**	1.243x(2/8)	0.311

31.	Parvulescu V., Niculescu V., Ene R., Popa A., Mureseanu M., Ene, C. D., Andruh M. Supported monocationic copper(II) complexes obtained by coordination with dialkylphosphonate groups on styrene-divinylbenzene copolymer as catalysts for oxidation of organic compounds ***J. of Molec. Catalysis A-Chemical***, 366: 275-281, **2013**	3.187x(1/7)	0.455
32.	Davidescu C.-M., Ciopec M., Negrea A., Popa A., Lupa L., Dragan E.-S., Ardelean R., Ilia G., Iliescu S. Synthesis, characterization, and Ni(II) ion sorption properties of poly(styrene-co-divinylbenzene) functionalized with aminophosphonic acid groups, ***Polym. Bull***. 70(1): 277-291, **2013**	1.332x(3/9)	0.444
33.	Visa A., Maranescu B., Bucur A., Iliescu S., Demadis K. Synthesis and Characterization of a Novel Phosphonate Metal Organic Framework Starting from Copper Salts ***Phosphorus Sulfur*** **DOI:** 10.1080/10426507.2013.843004, **2013**	0.601x(3/5)	0.361
34.	Holclajtner-Antunovic I.D., Popa A., Bajuk-Bogdanovic D.V., Mentus S., Nedic Vasiljevic B.M., Uskokovic-Markovic S.M , Synthesis and characterization of acid silver salts of 12-tungstophosphoric acid, ***Inorg. Chim. Acta,*** 407, 197–203, **2013**	1.899×(1/6)	0.317
35.	Popa A., Sasca V., Verdes O., Barvinschi P., Holclajtner-Antunović I. Acidic and neutral cesium salts of 12-molybdophosphoric acid supported on SBA-15 mesoporous silica. The influence of Cs concentration and surface coverage on textural and structural properties, ***Mater. Res. Bull.***, 50, 312-322, **2014**	1.913×(3/5)	1.148
36.	Vlad-Oros B., Dascalu D., Dudas Z., Popovici H., Preda G., Ostafe V. Equilibrum and Kinetics Studies Regarding the Adsorption of Copper (II) Ions by various types of Chitosan Beads ***Dig. J. Nanomater. Bios.,*** 8(3), 917 – 927, **2013**	1.092×(1/6)	0.182
37.	Sasca V., Verdes O., Avram L., Popa A., Erdohelyi A., Oszko A., The $Cs_xH_{3-x}PW_{12}O_{40}$ catalysts microstructure model, ***Appl Catal A: Gen*** 451 50–57 **2013**	3,410×(4/6)	2.273
38.	Sasca V., Popa A., Band-gap energy of heteropoly compounds containing Keggin polyanion-$[PV_xMo_{12-x}O_{40}]^{-(3+x)}$ relates to counter-cations and temperature studied by UV-VIS diffuse reflectance spectroscopy ***J Appl Phys***, 114, 133503(1-7) **2013**	2,210×(2/2)	2.210
39.	Sasca V., Verdes O., Avram L., Popa A., Thermal decomposition of Pd doped 12-tungstophosphoric acid and some of its cesium salts ***Rev Roum Chim*** *58*(4-5) 451-461 **2013**	0,331×(4/4)	0.331

40.	Putz M.V**.,** Putz A.M. DFT Chemical Reactivity Driven by Biological Activity: Applications for the Toxicological Fate of Chlorinated PAHs. ***Str. Bond.,*** 150 (**2013**) 181–232; DOI: 10.1007/978-3-642-32750-6_6;	4.068)×(1/2)	2.034
TOTAL			**35.139**

Anexa 4.21

O carte apărută într-o editură consacrată din țară

1	Ilia G., Fagadar-Cosma E., Iliescu S., Macarie L., Plesu N., Fagadar-Cosma G., Popa A. Solid polymer electrolites for bateries Editura Mirton, Timisoara, ISBN 978-973-52-1396-1, 230 pag., **2013**.	7x(6/7)	6

TOTAL: 6

Anexa 4.22

O carte editată într-o editură consacrată din țară[7]

Anexa 4.23

Un articol apărut într-o revistă recunoscută de CNCS (B+) sau indexată într-o bază internațională de date (BDI)

Anexa 4.24

O conferință invitată/plenară/*keynote* prezentată la o manifestare științifică internațională

1. Făgădar-Cosma E., speaker invitat video-conferință:
Research Trends and the Elsevier Labs presents: **"**The Individual and Scholarly Network - a two-part seminar on Building Networks and Evaluating Network Relationships**"**
January 22, 2013

2. Făgădar-Cosma E., speaker invitat video-conferință:
"Collaboration and Communication regarding EU Research programmes. Challenges
Elsevier –Invitation Innovation Explorers, https://elsevier.communispace.com/

3. Făgădar-Cosma E.
Conferință: "Porphyrins. Optoelectrical applications"
13th Edition of Academic Days Timisoara - New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, Timişoara, România, 22, Ed. Art Press, ISSN: 2065-0760, **2013**.

TOTAL: 10*3=30

Anexa 4.25

O conferință invitată/plenară/*keynote* prezentată la o manifestare ştiințifică națională

Anexa 4.26

O comunicare orală prezentată la o manifestare ştiinţifică internaţională

$5\times(N_{ic}/N_a)$

1.	Pacureanu L.M., Bora A., Crisan L., Avram S., Ivan D., Neanu C. Theotetical work beyond imagination CDK's inhibitors selectivity versus optimal off-target effect ***13th Edition of Timisoara's Academic Days, New Trends and Strategies in the Chemistry of Advanced materials with relevance in Biological Systems, technique and Environmental Protection, Chemistry***, 13-14 June **2013**, 48, P26, Timişoara, Romania.	5×(6/6)	5.000
2.	Taranu B.-O., Fagadar-Cosma E., Popa I., Fagadar-Cosma G., Vlascici D., Birdeanu M. I., Taranu I. Preliminary studies on glassy carbon electrode modified with a novel functionalized A_3B porphyrin. Application as potentiometric cation sensor ***Proceedings of the 19th International Symposyium on Analytical and Environmental Problems***, 23 September **2013**, Szeged (Hungary), 80-83, ISBN 978-963-315-141-9	5×(1/7)	0.714
3.	Cristescu R., Popescu A., Popescu C., Mihailescu I.N., Ciucu A.A., Balan A., Iordache S., Stamatin I., Fagadar-Cosma E., Chrisey D.B. Novel meso-phenyl unsymmetrical substituted porphyrin thin films deposited by MAPLE ***E-MRS 2013 SPRING MEETING Congress Center*** *- Strasbourg, France, Symposium O: Synthesis, processing and characterization of nanoscale multi functional oxide films IV, Technical sessions: May 27-31,* ***2013***	5×(1/10)	0.500
4.	Făgădar-Cosma E., Vlascici D., Pică E.M., Costişor O., Cosma V., Olenic L., Bizerea O. **P**rocedure for obtaining of a highly selective potentiometric sensor for silver ion detection based on porphyrin ionophore ***EuroInvent 2013 European Exhibition of Creativity and Innovation*****,** 9-11 mai 2013, Iasi, Romania, ISBN: 978-973-703-891-3, Editura Universitatii Al.I. Cuza Iasi, 137, **2013**	5×(2/7)	1.429
5.	Dudás Z., Enache C., Savii C. Low temperature willemite luminescent properties enhanced by activators ***13th Edition Timisoara's Academic Days, Chemistry***, June 13-14 **2013,** Timisoara, Romania	5×(3/3)	5.000
6.	Dudás Z., Enache C., Fábián M., Lazău R., Savii C. Rare-Earth co-Dopant Effect upon the Structure of Sol-Gel Derived Inorganic Luminophores ***Conference for Young Scientist in Ceramics -The Tenth Students' Meeting, SM-2013*** November 6-9, **2013,** pp. 49, Novi Sad, Serbia	5×(2/5)	2.000
7.	Sorescu S-L, Ianasi C., Stefanescu M.	5x(2/3)	3.333

	Synthesis of Fe2O3/SiO2 nanocomposites from Fe(III) carboxylate precursors inside hybrid silica gels, ***Conference for Young Scientist in Ceramics -The Tenth Students' Meeting***, ***SM-2013***, November 6-9, 2013, pp. 83, Novi Sad, Serbia		
8.	Sasca V. Z., Verdes O., Popa A., Furcă M., Barbu M., Ethanol dehydration on $H_{3-x}Cs_xPW_{12}O_{40}$ and Pd doped catalysts, ***International Symposium of the Romanian Catalysis Society***, *Cluj-Napoca*, Romania, May 29-31, **2013,** p.47-48	5x(5/5)	5.000
9.	Sasca V. Z., Verdes O., Furca M., Popa A. Thermogravimetric standard method used to the determination of the kinetic parameters for decomposition of heteropoly acidic catalysts and their thermal endurance calculation. ***The 19th Symposium on Analytical and Environmental Problems***, *Szeged,* 23 Septembrie **2013**	5x(4/4)	5.000
10.	Sasca V., Verdes O., Popa A. Study on TPD of basic substances by thermogravimetry for Bronsted acidity determination from solid catalysts ***Timisoara's Academic Days XIIIth, New trends and strategies in the chemistry of advanced materials with relevanced in biological systems, technique and enviromental protection***, Timişoara, 13- 14 June, **2013,** p. 87.	5x(3/3)	5.000
11.	Verdeş O.,. Sasca V, Popa A., Barbu M., Furca M. L., Oszko A., Catalytic activity of Pd doped $Cs_xH_{3-x}PW_{12}O_{40}$ in relation with its microstructure ***Timisoara's Academic Days XIIIth, New trends and strategies in the chemistry of advanced materials with relevanced in biological systems, technique and enviromental protection***, Timişoara, 13-14 June, **2013,** p. 122.	5x(5/6)	4.167
12.	Furca M. L., Barbu M., Verdeş O., Popa A., Sasca V., Catalytic activity of Ni doped $Cs_xH_{3-x}PW_{12}O_{40}$ for ethanol conversion ***Timisoara's Academic Days XIIIth, New trends and strategies in the chemistry of advanced materials with relevanced in biological systems, technique and enviromental protection,*** Timişoara, 13-14 June, **2013,** p. 135.	5x(5/5)	5.000
13.	Popa A., Sasca V., Verdes O., Furca, Barbu M.L. UV-Vis DRS studies of some supported catalysts ***Timisoara's Academic Days XIIIth, New trends and strategies in the chemistry of advanced materials with relevanced in biological systems, technique and enviromental protection,*** Timişoara, 13-14 June, **2013,** p. 106.	5x(5/5)	5.000
14.	Barbu M., Furca M., Sasca V. Preparation and characterization of $CS_xH_{3-x}PW_{12}O_{40}$ doped with Ni ***Timisoara's Academic Days XIIIth, New trends and strategies in the chemistry of advanced materials with relevanced in biological systems, technique and enviromental protection,*** Timişoara, 13-14 June, **2013,** p. 131.	5x(3/3)	5.000
	TOTAL		**52.143**

Anexa 4.27

O comunicare orală prezentată la o manifestare ştiinţifică naţională

Anexa 5.1

Un grant câştigat de către institut/centru de la organizații internaționale

1. Proiect SOMABAT -FP7, Nr. 266090/2010-11-09
Denumire proiect: Development of novel solid materials for high power Li polymer bateries (SOMABAT). Recyclability of components.
Responsabil Proiect ICT (PARTENER 5) Eugenia Fagadar-Cosma
Valoare proiect: **78794 Eur**
Durata contractului: 3 ani

6

2. FP7 EU-OPENSCREEN -European Infrastructure of Open Screening Platforms for Chemical Biology Grant nr.261861, Preparatory PhaseFonduri acordate: **4400 Eur.**
Institutul de Chimie Timisoara - reprezentant national.
Director proiect: Dr. Liliana Pacureanu

2

3. Proiect CEI (Central European Initiative)
Denumire Proiect: Fostering scientific cooperation in CEI countries through research and training in renewable energies and nanophysics
Coordonator : UNESCO Chair at Horia Hulubei Foundation, http://www.unescochair-hhf.ro/
Director Proiect : Victor Barsan
Responsabili Proiect: Laura Tugulea, Stefan Antohe, Eugenia Fagadar-Cosma (intra muros expert), Radu Lungu, Sandica Manole
Valoare proiect: **43200 EUR**
Durata contractului: 1 an (mai 2013/mai 2014).

4

Total: 12

Anexa 5.2

Un grant câştigat de către institut/centru de la organisme naționale
2013

In calitate de coordonator

1. Grant CNCSIS PD nr. 174/2010: Reactivitatea chimică – cauza majoră de rezultate false în testarea biologică de capacitate ridicată?
Director de proiect: Dr. Curpăn Ramona
Valoare totală grant: **63.000 RON/2013**
Durata: 4 ani (2010-2014)

2

2. Grant CNCSIS PD nr. 119/2010: Noi strategii de identificare a compuşilor farmacologic activi pe receptori cuplați cu proteine G (GPCR) orfani
Director de proiect: Dr. Halip Liliana
Valoare totală grant: **170.000 RON**/2013
Durata: 4 ani (2010-2014)

3

3. Proiect PNII Capacitati-Modul III-SOMABAT Nr. 128EU/28 iunie 2011
Cofinantare la PROIECTUL de Colaborare EU-FP7
Denumire proiect: Dezvoltarea de noi materiale solide pentru baterii Li-polimerice (SOMABAT) cu putere mare. Reciclarea componentelor
Director de proiect: Eugenia Fagadar-Cosma
Valoare proiect: **73849 lei/2013**
Durata contractului: 2011-2013

2

4. Proiect PN 09-450102, Program Nucleu INCDFM Institutul Național de Cercetare – Dezvoltare pentru Fizica Materialelor şi Institutul de Chimie Timişoara
Titlul proiectului**:** Prepararea şi caracterizarea materialelor cu dimensionalitate redusă pentru confecționarea de senzori
Director de proiect: Mihai Popescu
Titlu fază **2013:** Straturi Langmuir-Blodgett depuse pe stearat de Ba cu metalo-porfirine şi nanotuburi de carbon. Senzori rezistivi.
Parteneri: Eugenia Făgădar-Cosma (Institutul de Chimie Timişoara)

-

In calitate de partener

5. Grant PN-II-RU-TE-2011-3-92: Contract de finanțare nr. 81/05.11.2011; Retele metal organice fosfonice: complexitatea si diversitatea structurilor si a aplicatiilor
Director de proiect: Dr. Visa Aurelia
Valoare totală grant: **215671 RON**/2013
Durata: 3 ani (2011-2014)

3

Colaborare bilaterala

6. Contract nr. 669/2013 România Ungaria 2013-2014; Modul III
Institutul de Chimie Timisoara Coordonator: Dr. Ing. Ilia Gheorghe
Universitatea Tehnica si Economica Budapesta: Coordonator: Prof Keglevich Gyorgy
Valoare totală grant: **13500 RON/**2013
Durata: 20 luni (2013-2014)

2

Total: 12

Anexa 5.3

Un contract extrabugetar obținut de către institut/centru de la organizații internaționale sau naționale

1 Contract Nr. 1159/25.08.2008, Act Aditional Nr. 2/19.01.2010 - S.C. SYSTRONICS S.R.L, Ing. Milos Mihai –**3695.20 RON**

0.5

2. Contract nr. 547/1997, Act Adițional 891/01. 09. 2004
Tema: Monitorizarea calităților fizice şi chimice ale unor organe de asamblare din oțeluri speciale.
Beneficiar S. C. Notabil Pek SRL, Timişoara; Valoare**: 9972.55 RON**

1

3. Contract participațiune nr. 1098/1997, Act adițional nr. 1/2004
Tema: Materiale avansate cu proprietăți optice şi magnetice speciale
Beneficiar: MOBIFON, Timişoara; Valoare: **101925.75 RON**

3

4. Contract participațiune SC UNDERGROUND SRL, nr. 1154/1997;
Valoare: **30624 RON**

2

5. Contract participatiune nr. 1338/1998-SC Teletim SRC,
Valoare: **22968 RON**

2

6. Consiliu Judetean Timis; Centrul de Cultura si Arta al Judetului Timis; contract nr.849/22.05.2013
Tema: sustinere Simpozion ***Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection***, 13-14 Iun., Timişoara, România, **2013**
Valoare: **7000 RON**

1

7. Contract de colaborare cu ISIM
Tema: prestari servicii
Valoare: **2000 RON**

0.5

8. Ministerul Educației Naționale (MEN) – ANCS; contract nr. 21/28.05.2013
Tema: sustinere Simpozion ***Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection***, 13-14 Iun., Timişoara, România, **2013**
Valoare: **2000 RON**

0.5

Total: 10.5

Anexa 5.4

O manifestare ştiinţifică (congres, conferinţă, simpozion) sau şcoală de vară internaţională organizată de institut

A. Simpozion

1. Simpozion: "***13th EDITION OF ACADEMIC DAYS TIMISOARA - New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection",*** June 13-14, 2013, Timisoara, Romania.

10

B. **Organizare de Workshop -**

-

C. Manifestari Stiintifice la care ICT este co-organizator.

2. Asociatia de Cercetare Multidisciplinara pentru Zona de Vest, Romania – Ungaria – Serbia, ACMV, Al XV-lea Simpozion International "Tinerii si Cercetarea Multidisciplinara" ISYPMR – Timisoara 14-15 nov. 2013

10

Total: 20

Anexa 5.5
O manifestare ştiinţifică (congres, conferinţă, simpozion) sau şcoală de vară naţională organizată de institut

Anexa 6.1
Un brevet acordat

Anexa 6.2
Un brevet aplicat

Anexa 6.3
Un brevet citat în *Web of Science* (Thomson Reuters)

Anexa 6.4
Produse şi tehnologii rezultate din activităţi de cercetare bazate pe omologări sau inovaţii proprii (produs vândut, sume încasate)

Anexa 6.5
Un laborator de cercetare-dezvoltare acreditat

Anexa 6.6
Studii de impact si servicii comandate de un beneficiar

1. Dr. Curpăn Ramona - Reactivitatea chimică – cauza majoră de rezultate false în testarea biologică de capacitate ridicată?
Grant PN-II-RU-PD-2010; Contract de finanțare PD_502, nr. 174/2010 încheiat între UEFISCDI şi Institutul de Chimie Timişoara al Academiei Române

2. Dr. Liliana Halip - Noi strategii de identificare a compuşilor farmacologic activi pe receptori cuplați cu proteine G (GPCR) orfani
Grant PN-II-RU-PD-2010; Contract de finanțare PD_500, nr. 119/05.08.2010 încheiat între UEFISCDI şi Institutul de Chimie Timişoara al Academiei Române

3. Făgădar-Cosma Eugenia - Dezvoltarea de noi materiale solide pentru baterii Li-polimerice (SOMABAT) cu putere mare. Reciclarea componentelor
Proiect PNII Capacități-Modul III-SOMABAT Nr. 128EU/28 iunie 2011; Cofinanțare la PROIECTUL de Colaborare EU-FP7

4. Făgădar-Cosma Eugenia - Prepararea şi caracterizarea materialelor cu dimensionalitate redusă pentru confecționarea de senzori'
Titlu fază 2013: Straturi Langmuir-Blodgett depuse pe stearat de Ba cu metalo-porfirine şi nanotuburi de carbon. Senzori rezistivi
Proiectul PN 09-450102, Program Nucleu INCDFM Institutul Național de Cercetare – Dezvoltare pentru Fizica Materialelor şi Institutul de Chimie Timişoara

5. Dr. Visa Aurelia - Retele metal organice fosfonice: complexitatea si diversitatea structurilor si a aplicatiilor
Grant PN-II-RU-TE-2011-3-92; Contract de finanțare nr. 81/05.11.2011 încheiat între UEFISCDI şi Institutul de Chimie Timişoara al Academiei Române

6. Dr. Ramona Tudose - Evaluarea activitatii antitumorale si antivirale a unor noi combinatii complexe continand elemente 3d si acizi biliari, baze Schiff si baze Mannich.
Institutul de Morfologie, Patologie si Antropologie Experimentala si Muzeu al Academiei Bulgare de Stiinte din Sofia

7. Dr. Savii Cecilia - Sinteza si caracterizarea unor nanomateriale chimic active
Academia de Stiinte a Republicii Cehe, Institutul de Chimie Anorganica, Departamentul de Chimia Starii Solide si Compusi de Intercalare, Praga, Republica Ceha

8. Dr. Popa Alexandru - Heteropoliacizi cu structura Keggin folositi în cataliza eterogenă Universitatea din Belgrad, Facultatea de de Chimie Fizică şi la Departamentul de Cataliză şi Inginerie chimică din cadrul Institutului de Chimie Tehnologie şi Metalurgie**,** Localitatea Belgrad, Serbia

9. Milos Mihai - Studii prospective privind determinarea continutului de oligoelemente in produse biologice. Metode preparative in spectroscopia de absorbtie atomica.
Beneficiar: Proiect Nr. 2/2010, cod CNCIS ID-PCCE-140 din cadrul Programului PNCDI-II-IDEI, Aplicatii ale compusilor metalelor - Metallomics - 2010-2013.

10. Milos Mihai - Optimizarea metodelor de analiza a otelurilor prin spectroscopie de absorbtie atomica. Beneficiar: S.C. SYSTRONICS S.R.L

11. Sasca Viorel - Proiectarea de catalizatori cu înaltă eficiență pentru conversia etanolului prin cercetare comună complementară; Proiect HURO/0901/090/2.2.2, Program de Cooperare Transfrontalieră Ungaria-Romania (CBC Phare Programme) 2007-2013.

12. Milos Mihai - Monitorizarea calităților fizice şi chimice ale unor organe de asamblare din oțeluri speciale. Contract nr. 547/1997, Act Adițional 891/01. 09. 2004; Beneficiar S. C. Notabil Pek SRL

13. Tema: Materiale avansate cu proprietăți optice şi magnetice speciale; Contract participațiune nr. 1098/1997, Act adițional nr. 1/2004; Beneficiar: MOBIFON.

14. Tema: Obtinerea unor doze solutii de reactivi chimici si pentru atac metalografic pe probe sudate si nesudate tip A, B, C, D, E si F conform cu lista de reactivi CR 12361; Beneficiar: ISIM.

15. Dr. Savii Cecilia - Tema: Magnetita micrometrica, monocristalina, monodispersa, functionalizata, cu comportament superparamagnetic pentru uz in imagistica gastrointestinala, ca agent de contrast de tip MRI T2. Coordonator: Institutul C&D pentru Electrochimie si Materie Condensata, Timisoara

16. Dr. Savii Cecilia - Tema: Acoperiri rezistente la eroziune-coroziune obținute prin tehnologii inovative de pulverizare termică cu aplicare în medii apoase; Coordonator: Universitatea Politehnica din Timişoara

17. Dr. Ramona Tudose: Acoperirea implanturilor medicale cu straturi compozite biocompatibile depuse prin tehnici de pulverizare moderne; Beneficiar: Universitatea Politehnica din Timisoara.

18. Dr. Cseh Liliana: Recuperarea avansata a produselor utile din deseurile de catalizatori uzati; Beneficiar Pro Air Clean

Total: 18*5 = **90**

Anexa 7.1
Institutul/centrul are dreptul de a conduce doctorate

1. INSTITUTUL DE CHIMIE TIMIŞOARA AL ACADEMIEI ROMÂNE (ICT)

Total: 20

Anexa 7.2
Conducători de doctorat care activează în institut

1. Prof. Dr. Zeno Simon, M.C. al Academiei Romane
2. Prof. Dr. Ludovic Kurunczi
3. Prof. Dr. Mircea Mracec
4. Dr. Otilia Costişor
5. Dr. Eugenia Lenuța Făgădar-Cosma

Total 5*20=100

Anexa 7.3
Doctoranzi

Doctoranzi angajati ai institutului

1. Creanga C. Maria-Ionela
2. Palade I. Anca-Maria
3. Ianăşi M. Cătălin
4. Creţu V. Daniela Carmen
5. Bucovicean C. Carmen Maria
6. Mosoarca C. Elena Maria

Doctoranzi externi

1. Uderscu-Milosan V. Lucretia Paula
2. Ţăranu I. Bogdan Ovidiu
3. Haidu I. Daniela
4. Oprescu I. Raul
5. Popa D. Iuliana
6. Gruia G. Alexandra Teodora
7. Mocanu P. Liviu Lucian
8. Olariu C. V. Tudor
9. Marius Mioc
10. Bogdan Dragos

Total doctoranzi : 6+10=16

Punctaj : 16*10=**160**

Anexa 7.4
Post-Doctoranzi

1. Dr. Dudás Zoltán
Titlu: Luminophores and superparamagnetic composites, advanced optic and magnetic micro- and nano-materials with tunable structure, morphology and composition.
Institutia: Hungary, Budapest, Wigner Research Centre for Physics, Department of Neutron Spectroscopy
Durata: 3 ani, 01.10.2013-01.10.2016
Coordonator: Dr. János Füzi

10

2. Dr. Simulescu Vasile
Proiect: Excellent young researchers at BUT
Titlul temei: Research on delivery systems focusing on the physical chemistry of biopolymers and biocolloids
Institutia: Materials Research Centre, Faculty of Chemistry, Brno University of Technology, Brno, Czech Republic
Coordonator: Prof. Miloslav Pekar

10

3.Dr. Pana Ana-Maria
Proiect: Polimeri biodegradabili pe baza de carbohidrati / Materiale performante
Institutia:Universitatea Tehnica "Gheorghe Asachi" Iasi, Facultatea de Inginerie Chimica si Protectia Mediului
Coordonator: Prof dr.ing. dr.h.c. Marcel Popa
Durata: 01.03.2011 - 28.02.2013

10

Total: 30

Anexa 7.5
Cercetator angajat in institut/centru care a obtinut titlul de doctor in perioada de evaluare

1. Avram Iancu Sorin
2. Furca Liliana Marinela
3. Barbu Mirela

TOTAL: 30

Anexa 8.1
Un membru în colectivul de redacție al unei reviste naționale/internaționale

1. Făgădar-Cosma E. - ***Der Chemica Sinica*** www.pelagiaresearchlibrary.com (ISSN No 0976 – 8505) din anul 2010
2. Făgădar-Cosma E. - ***Advances in Applied Science Research*** www.pelagiaresearchlibrary.com (ISSN No 0976 – 8610) din anul 2010
3. Făgădar-Cosma E. - ***The Open Chemical and Biomedical Methods Journal*** http://www.benthamscience.com/open/tocbmj/EBM.htm (ISSN: 1875-0389) Bentham Science Publishers Ltd.
4. Făgădar-Cosma E. - ***Journal of Advanced Scientific Research*** http://www.sciensage.info/jasr/editorial-board.php (ISSN: 0976-9595)
5. Făgădar-Cosma E. - ***European Journal of Experimental Biology***, http://pelagiaresearchlibrary.com/european-journal-of-experimental-biology/index.html
6. Făgădar-Cosma E. - ***American Journal of Organic Chemistry*** http://journal.sapub.org/AJOC, Scientific & Academic Publishing (http://www.sapub.org/), USA (ISSN: 2163-1271)
7. Făgădar-Cosma E. -***Chemical Sensors Journal***, Simplex Academic Publishers www.simplex-academic-publishers.com
8. Făgădar-Cosma E. - ***The Science***, VA 22201, 703.778.3080
9. Făgădar-Cosma E. - ***American Journal of Nanoscience and Nanotechnology***, http://www.sciencepublishinggroup.com/j/NANO
10. Făgădar-Cosma Eugenia - ***Annals of West University of Timisoara***
11. Ilia Gheorghe - ***Current Green Chemistry***, http://www.benthamscience.com/cgc
12. Ilia Gheorghe - ***American Journal of Polymer Science*****,** http://www.sapub.org/journal/aimsandscope.aspx?journalid=1019
13. Simon Zeno - Revue Roumaine de Chimie
14. Costişor Otilia - Material Science Research Publ. Oriental Scientific , Publishing Company ISSN 0973-3469

TOTAL: 20*14 = **280**

Anexa 8.2
Un membru în conducerea unei organizații internaționale de specialitate

1. Fagadar-Cosma E. este membru (expert) în Comisia: Risk Assessment & Advisory Structure of Scientific Committees and Experts, EUROPEAN COMMISSION, Health systems and products; **e-Health and Health Technology Assessment**, Scrisoare de numire: Ref. Ares(2013)1262115 - 23/05/2013

TOTAL: 20

Anexa 8.3
Un membru al Academiei Române

1. Prof. Simon Zeno - Membru Corespondent al Academiei Române

TOTAL: 50

Anexa 8.4
Cercetător cu un indice Hirsch peste 8

1. Dr. Simona Funar-Timofei 12
2. Dr. Făgădar-Cosma Eugenia 8
3. Dr. Ilia Gheorghe 9
4. Dr. Iliescu Smaranda 8
5. Dr. Popa Adriana 9
6. Dr. Visa Aurelia 8

TOTAL: 20*6 = **120**

Anexa 8.5
Un membru de onoare (*fellow*, *senior*) al unei societăţi ştiinţifice naţionale/internaţionale

1. Făgădar-Cosma E. este numită Senior Editor: Chemical Sensors (September 2012 to August 2013- application for 2013/2014) Section: New Materials Developments AcademicPublishers Website: *www.simplex-academic-publishers.com*

TOTAL: 20

Anexa 8.6
Un premiu al Academiei Române

Anexa 8.7
Un premiu (distincție) al unei societăți științifice naționale obținut printr-un proces de selecție

1. Diploma şi Medalia Petru Poni
Patent no. RO 123.447/30.05.2012
Făgădar-Cosma E., Vlascici D., Pică E.M., Costişor O., Cosma V., Olenic L., Bizerea O.
Procedure for obtaining of a highly selective potentiometric sensor for silver ion detection based on porphyrin ionophore
Salonul National de Inventica Chim-Invent 2013, Academia Romana, Institutul De Chimie Macromoleculară "Petru Poni", 3-5 iulie 2013 Iasi, Romania.

TOTAL: 10

Anexa 8.8
Un premiu (distincție) al unei societăți științifice internaționale obținut printr-un proces de selecție

1. Diplomă şi Medalie de AUR
Patent no. RO 123.447/30.05.2012
Făgădar-Cosma E., Vlascici D., Pică E.M., Costişor O., Cosma V., Olenic L., Bizerea O.
Procedure for obtaining of a highly selective potentiometric sensor for silver ion detection based on porphyrin ionophore
5th European Exhibition of Creativity and Innovation, 9-11 May 2013, Iaşi, Catalog Editura Universității Alexandru Ioan Cuza, Iaşi, ISBN: 978-973-703-891-3, 137 Editor: Andrei-Victor Sandu.

2. Diplomă şi Medalie de AUR
Patent no. RO 123.447/30.05.2012
Eugenia Făgădar-Cosma, Dana Vlascici, Elena Maria Pică, Otilia Costişor, Viorica Cosma, Liliana Olenic, Otilia Bizerea
Procedure for obtaining of a highly selective potentiometric sensor for silver ion detection based on porphyrin ionophore
Salonul Internațional al Cercetării, Inovării şi Inventicii "Pro Invent" Cluj-Napoca, România, Ediția a XI-a, 19 - 23 martie **2013**

3. Bianca Maranescu - premiu la postere oferit de editura RSC, jurnalul PCCP cu lucarea: *Ni – vinyl phosphonate electrical properties, 44th IUPAC World Chemistry Congress,* Istanbul, Turcia, 11-16 August **2013**, p. 1202

TOTAL: 40*3 = **120**

Lucrări publicate ca rezumat la conferințe, congrese şi simpozioane internaționale – Postere

1. Țăranu B., Popa I., Făgădar-Cosma E.

Electrochemical studies on novel functionalized A3B porphyrin

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, 36. (ISSN: 2065-0760)

2. Popa I., Țăranu B., Făgădar-Cosma E., Țăranu I.

Corrosion inhibition of carbon steel by 5,10,15,20-tetra(4-methylphenyl)-21h,23h-porphine cobalt (II), in acid media

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, 39. (ISSN: 2065-0760)

3. Şişu I., Ghiulai R., Lascu A., Şerb A., Capitan F., Pascariu M.-C., Rusnac L.-M., Şişu E.

Mass spectrometry analysis of maltodextrin-lactones

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, 62. (ISSN: 2065-0760)

4. Lascu A., Creanga I., Palade A., Fagadar-Cosma E.

Synthesis and spectroscopic characterization of Fe(III)-*meso*-tetra-(3-hydroxyphenyl) porphyrinate chloride

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, 57. (ISSN: 2065-0760)

5. Palade A., Făgădar-Cosma G., Lascu A., Creangă I., Birdeanu M., Bârsan V., Făgădar-Cosma E.

New porphyrin -based spectrophotometric sensor for Ag^{o} detection

***Solar Energy for World Peace*, August 17-19, 2013 Istanbul / Turkey**, Book of Abstracts, Abstract: 0399, pag 266

6. Creangă I., Palade A., Lascu A., Făgădar-Cosma E.

Obtaining of silver colloid-A_3B porphyrin complex

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, 61. (ISSN: 2065-0760)

7. Palade A., Lascu A., Creanga I., Fagadar-Cosma E.

Spectrophotometric sensor for Ag^0 detection based on porphyrin

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, 64. (ISSN: 2065-0760)

8. Petric M., Crisan L., Crisan M., Micle A., Maranescu B., Ilia G.

PLS study of phosphoramidic acid derivatives based on molecular descriptors,

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, 66. (ISSN: 2065-0760)

9. Crisan M., Bouros P., Chumakov Y., Petric M., Ilia G.

Synthesis, crystal structure and biological activity of 2-hydroxyethylammonium salt of *para*-hydroxybenzoic acid

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, 59. (ISSN: 2065-0760)

10. Kellenberger A., Plesu N., Taranu I., Taranu B. O., Popa I.

Nonoxidative mpedimetric sensor based on poly(3-aminophenylboronic acid) modified skeleton nickel electrodes for dopamine detection

Fourth Regional Symposium on Electrochemistry South East Europe, 26-30 May, **2013**, Ljubljana, Slovenia, 43**.** ISBN 978-961-6104-23-4.

11. Kellenberger A., Plesu N., Taranu I., Taranu B. O., Popa I.

Eis assays of poly(3-aminophenylboronic acid) films on platinum electrodes***,***

Fourth Regional Symposium on Electrochemistry South East Europe, **2013**, 26-30 May, Ljubljana, Slovenia, 80, ISBN 978-961-6104-23-4.

12. Iliescu S., Visa A., Macarie L., Popa A., Maranescu B., Ilia G.

Polyphosphoesters obtained by inverse phase transfer catalysis

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and

environmental protection, 13-14 Iun., Timişoara, România, **2013**, 37. (ISSN: 2065-0760)

13. Ene R., Popa A., Parvulescu V.

Immobilized Cu(II) and Mn(II) complexes as catalysts for oxidation of hydrocarbons. Comparative study of polymer support functions

The International Symposium of The Romanian Catalysis Society, Cluj Napoca, Romania, May 29-31, **2013**, 102-103

14. Davidescu C.-M., Ardelean R., Popa A., Ilia G., Iliescu S.

Poly(styrene-co-divinylbenzene) functionalized with isopropylaminophosphonic acid used for removal of phenol compounds from aqueous solutions

13th Edition of Timisoara's Academic Days, Chemistry, Timisoara, Romania, June 13-14, **2013**, 44

15. Ene R., Filip M., Popa A., Mureseanu M., Parvulescu V.

Hybrid catalysts with Cu(II) and Mn(II) complexes obtained by functionalization of polymeric organic and inorganic supports

International Conference of Physical Chemistry - ROMPHYSCHEM 15, Bucuresti, 1-13 sept. **2013**, 166

16. Buruiana L.-I., Avram E., Petreus O., Popa A., Ioan S.

Structure / antithrombogenic properties relationship of new phosphorus-modified polysulfones

18th Intetrntational Conference on Chemistry and Chemical Engineering, Septembrie, 4-7, **2013**, Sinaia, Romania, S4-68,

17. Buruiana L.I., Avram E., Popa A., Ioan S.

Pseudoplastic behaviour of quaternized polysulfone/poly(vinylidene fluoride) blends, with implications in cellular engineering

International Conference of Physical Chemistry - ROMPHYSCHEM 15, Bucuresti, 1-13 sept. **2013**, 48

18. Macarie L., Plesu N., Iliescu S., Ilia G.

Synthesis and characterization of copolymers of epoxyacrylate and 1-vinylimidazole

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection**,** ***13-14 Iun., Timişoara, România,*** *2013,* ***110-113 (ISSN: 2065-0760)***

19. Visa A., Maranescu B., Bucur A.

Phosphonate Metal Organic Framework Synthesis For Diverse Applications

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, 49

20. Maranescu B., Visa A., Simulescu V.

Synthesis And Characterization Of New Unsaturated Layered Metal Phosphonates

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, 55

21. Visa A., Maranescu B., Bucur A.

Studies on the salts effect on crystallinity of phosphonate metal organic framework

44th IUPAC World Chemistry Congress, Istanbul, Turcia,11-16 August **2013,** 906

22. Visa A., Maranescu B., Mracec M.

Structural properties analyses of phosphonate metal organic framework

44 th IUPAC World Chemistry Congress**,** Istanbul, Turcia, 11-16 August **2013**, 1513

23. Maranescu B., Visa A.

Styryl phosphonic acid as precursor for new metal organic framework

44th IUPAC World Chemistry Congress**,** Istanbul, Turcia, 11-16 August **2013,** 1198

24. Maranescu B., Maranescu V., Visa A.

Ni–vinyl phosphonate electrical properties

44th IUPAC World Chemistry Congress, Istanbul, Turcia11-16 August **2013**, 1202

25. Maranescu B., Visa A.

A study on the effect of synthesis parameters of a new divalent metal phosphonate

International Conference of Physical Chemistry Romphschem 15, Bucharest, Romania, 11-13 September **2013**, 122

26. Visa A., Maranescu B., Mracec M.

Electronic Properties of Cu^{2+} vinylphosphonate Estimated by PM3 Semiempirical Method

International Conference of Physical Chemistry Romphschem 15, Bucharest, Romania11-13 September **2013**, 37

27. Cretu C., Tudose R., Cseh L., Dudas Z. , Salifoglou A., Costisor O.

The crystal structures and fluorescence properties of a schiff base ligand and its novel homo-dinuclear Zn(II) complex

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, 40

28. Cretu C., Cseh L., Badea V., Zeng X., Tang B.J., Mehl G.H., Costisor O.

Synthesis and liquid crystalline properties of two new Schiff base ligands

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, 47

29. Bucovicean-Bereczki C.M., Cseh L., Tudose R., Salifoglou A., Costisor O.

The single-crystal x-ray diffraction analysis of the Schiff base N, N'-bis[3(4-dodecyloxy-benzylideneamino)-propyl]-piperazine and the infrared spectra study on its stability as ligand by complexation reactions.

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, 50

30. Pană A.M., Cseh L., Badea V., Costişor O.

pH-dependent photochromic behavior of a curcumin analogue

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, 53

31. Tudose R., Dudas Z., Costisor O.

Spectroscopic studies of mono- and binuclear complexes of Zn(II), Cu(II) and La(III) containing N,N'-bis-(antipyryl-methyen)-piperazine as a ligand

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, 130

32. Borota A., Halip L., Bora A., Ivan D., Neanu C.,

Pharmacophore models for histamine H3 receptor agonists

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, p.63, Timisoara, Romania, (Electronic vol. ISSN:2065-0760

33. Ostopovici-Halip L., Rad-Curpan R., Borota A.,

G-protein coupled receptor pharmacophore validation and analysis

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, p.65, Timisoara, Romania, (Electronic vol. ISSN:2065-07603

34. Ostopovici-Halip L., Bologa C. Innovative solutions for G-protein coupled receptors deorphanization

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, p. 58.

35. Ostopovici-Halip C., Bologa C. Key molecular features of the orphan G-protein coupled receptor (oGPCR).

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, p. 38.

36. Ostopovici-Halip L., Bologa C. Structurally conserved motifs in pharmacologically relevant class B and C G-protein-coupled receptors (GPCR), ***44th IUPAC World Chemistry Congress***, 11-16 August 2013, Istanbul, Turcia.p.1307

37. Ostopovici-Halip L., Bologa C. A potential strategy for GPCR de-orphanization

44th IUPAC World Chemistry Congress, 11-16 August 2013, Istanbul, Turcia. p.1308

38. Ostopovici-Halip L, Bologa C.

Template Structure Selection for Homology Modeling of Class A Orphan G-protein Coupled Receptors

International Conference of Physical Chemistry ROMPHYSCHEM 15, 11-13 September 2013, Bucharest, Romania. p34

39. Ostopovici-Halip L., Bologa C. Template Structure Selection for Homology Modeling of Class A Orphan G-protein Coupled Receptors ***International Conference of Physical Chemistry ROMPHYSCHEM*** 15, 11-13 September 2013, Bucharest, Romania. p34

40. Bora A., Crisan L., Avram S., Neanu C., Pacureanu L.

Preliminary molecular docking study of 2-phenyl-chroman-4-one derivatives against cyclin dependent kinases

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, P50

41. Crisan L., Pacureanu L., Bora A., Avram S., Ivan D., Neanu C., Kurunczi L.

Preliminary PLS study of 38 benzufuran-3-yl-(indol-3-yl) maleimide and 18 4-azaindolyl-indolyl-maleimide derivatives using DRAGON and MOPAC descriptors

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, P54

42. Ivan D., Crisan L., Pacureanu L.,

3D-similarity analysis of HIV1- reverse transcriptase inhibitors

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, P55

43. Neanu C., Avram S., Borota A., Bora A., Crisan L., Pacureanu L.,

Mapping representative protein structures for Glycogen Synthase Kinase-3

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, P43

44. Pascariu M.C., Gruia A., Neanu C., Rafaila M., Rusnac L.M., Sisu E.N.V.,

Structure determination of sugar mono- and diacetal derivatives through GC-EI-MS combined with computational chemistry,

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, pag.56, P60

45. Avram S.I., Crisan L., Bora A., Pacureanu L.M., Avram S., Kurunczi L.

Prediction of Promiscuous Flavonoid-Related Compounds In High-Throughput Screenings

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, 48, P26

46. Pacureanu L.M., Bora A., Crisan L., Avram S., Ivan D., Neanu C.

Theotetical work beyond imagination CDK's inhibitors selectivity versus optimal off-target effect

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, 48, P26

47. Funar-Timofei S., Simu G., Ionescu D., Chicu S. A.

Sudan I structure study by molecular mechanics and quantum semiempirical methods

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, pag. 30, (poster).

48. Ostopovici-Halip L., Bora A., Rad-Curpăn R., Funar-Timofei S.

General aspects of CDK5 inhibition: II. 3-methyl triazoles attached to cyclohexyl thiophene

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, pag. 42, (poster).

49. Funar-Timofei S., Halip L., Borota A., Bora A.

Quantitative Structure-Activity Study of Some Cyclin-Dependent Kinase 5/P25 Inhibitors

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, pag. 46, poster.

50. Bora A., Ostopovici-Halip L., Curpăn R., Funar-Timofei S.

Identification of Novel Antitubercular Agents - Still a Challenge for the Scientist

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, pag. 52, poster.

51. Funar-Timofei S., Halip L., Bora A.

Comparative Study of a Thiosemicarbazone Derivative Structure by Advanced Quantum-Chemical Approaches

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, pag. 54, poster.

52. Bora A., Borota A., Ostopovici-Halip L., Funar-Timofei S.

General Aspects of CDK5 Inhibition: I. Triazoles Derivatives Substituted with Thiophene Rings

Timisoara's Academic Days, 13th Edition, New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection, 13-14 Iun., Timişoara, România, **2013**, pag. 60, poster.

Lucrari publicate in reviste fara factor de impact

1. Suzuki T., Rad-Curpăn R., Ostopovici-Halip L., Goodarzi M., Saeys W., Funar-Timofei S.
Modeling of Thienyl Triazoles CDK5/P25 Inhibitors by Accessible Computational Methods
J.Toyo Univ., Natural Sci., 57, 123-138, **2013** (ISSN: 0372-0330)

2. Suzuki T., Funar-Timofei S., Iliescu S.
Structure-Flammability Relationships Study of Some Polyphosphonates
J. Univ., Natural Sci., 57, 109-121**, 2013** (ISSN: 0372-0330)

MANIFESTARI STIINTIFICE 2013

A. MANIFESTARI STIINTIFICE ORGANIZATE DE INSTITUTUL DE CHIMIE TIMISOARA AL ACADEMIEI ROMANE

1. **SIMPOZION - „Zilele Academice Timişene – Noi tendinţe şi strategii în chimia materialelor avansate, cu relevanţă în sisteme biologice, tehnică şi protecţia mediului”** – ediţia a XIII-a; 13-14 iunie 2013

Finantare:
Consiliu Judetean Timis: .....7000 lei
ANCS.....2000 lei
Finantare din surse proprii: .....8000 lei
TOTAL:.....**17000 lei**

Număr comunicări prezentate: **96**
- 15 conferinţe (lecţii invitate)
- 7 prezentari extinse
- 14 prezentări orale
- 60 de postere

Număr participanţi : **145**
- 112 din ţară
- 33 din străinătate

B. MANIFESTARI STIINTIFICE la care ICT este co-organizator.

1. Asociatia de Cercetare Multidisciplinara pentru Zona de Vest, Romania – Ungaria – Serbia, ACMV, Al XV-lea Simpozion International “Tinerii si Cercetarea Multidisciplinara” ISYPMR – Timisoara 14-15 nov. 2013

SITUAȚIE CENTRALIZATOARE

privind doctoratul la

INSTITUTUL DE CHIMIE TIMIŞOARA AL ACADEMIEI ROMANE

2013

1. **Doctoranzi**:
- 6 interni
- 10 externi

2. **Conducatori doctorat**:
    - Dr. Chim. Costişor Otilia
    - Dr. Ing. Făgădar-Cosma Eugenia
    - Prof. Dr. Simon Zeno, MCA
    - Prof. Dr. Kurunczi Ludovic - Universitatea de Farmacie Timisoara
    - Prof. Dr. Mracec Mircea - pensionat

3. **S-au sustinut**:
- referate - 7
- examene - 6
- teze 3

Director	**Secretar Stiintific**
Dr. Otilia Costisor	**Dr. Ramona Tudose**

Recenzori/referenti
la publicatii si teze de doctorat

1. Savii C. - ***Mat. Res. Bull.,***, Elsevier, 4 prezente
2. Savii C. - ***Czech Science Foundation*** , 3 prezente
3. Savii C. - ***EU funded network : M-ERA.NET*** , call 2013; call topics: 3. Composite Technology and 4. Materials for Health; 1 prezenta;
4. Savii C. - ***International Evaluation Panel for JICAM Programmme, Nanotechnology***, la solicitarea : Portuguese Foundation for Science and Technology; 3 prezente
5. Sasca V. – ***Appl. Catalysis A: General*** -1 prezenta
6. Sasca V. – ***J. Mater. Sci.***-1 prezenta
7. Tudose R. ***– J. Serbian Chem. Soc., -*** 1 prezenta
8. Popa Al. - ***Mat. Res. Bull.,***, Elsevier, - 2 prezente
9. Popa Al. – ***Appl. Surf. Sci.,*** - 2 prezente
10. Popa Al. – ***Talanta*** - 1 prezente
11. Funar-Timofei S. - ***African J. Microbiology Res.*** – 1 prezență
12. Funar-Timofei S. – ***Canadian J. Chem.*** - 1 prezență
13. Funar-Timofei S. – ***Desalination Water Treatment*** – 1 prezență
14. Funar-Timofei S. – ***Dyes and Pigments*** – 1 prezență
15. Funar-Timofei S. – ***Food and Chemical Toxicology*** – 1 prezență
16. Funar-Timofei S. – ***J. Mexican Chem. Soc.*** – 1 prezență
17. Funar-Timofei S. – ***Separation Sci. Technol.***– 1 prezență
18. Liliana Ostopovici-Halip ***– J. Bioinfor. Sequence Anal.*** - 1 prezență
19. Liliana Ostopovici-Halip ***– J. Computer Sci. System Biol.*** - 1 prezență
20. Alina Bora – ***J. Inhibition Med. Chem. -*** 1 prezență
21. Fagadar-Cosma E. - ***Arabian Journal of Chemistry***, Elsevier 3 prezente
22. Fagadar-Cosma E. - ***Materials Research Bulletin***, Elsevier 1 prezenta
23. Fagadar-Cosma E. - ***Materials Chemistry and Physics***, Elsevier 4 prezente
24. Fagadar-Cosma E. - ***Colloids and Surfaces A: Physicochemical and Engineering Aspects*** Elsevier 3 prezențe
25. Fagadar-Cosma E. - ***Journal of Solid State Chemistry***, Elsevier 1 prezenta
26. Fagadar-Cosma E. - ***American Chemical Science Journal***, 1 prezenta
27. Fagadar-Cosma E. - ***SciKnow***, 1 prezenta
28. Fagadar-Cosma E. - ***Chinese Journal of Chemistry***, Wiley 1 prezenta
29. Fagadar-Cosma E. - ***Combinatorial Chemistry & High Throughput Screening,*** BSP 1 prezenta
30. Fagadar-Cosma E. ***Bioinorganic Chemistry and Applications,*** Hindawi 1 prezenta
31. Fagadar-Cosma E. - ***Journal of Electroanalytical Chemistry***, Elsevier 2 prezente
32. Ilia G. - ***Current Organic Chemistry***, Benthamscience 2 prezente
33. Ilia G. - ***Current Green Chemistry***, Benthamscience 4 prezente
34. Ilia G. - ***Letters in Organic Chemistry***, Benthamscience 1 prezente
35. Ilia G. - ***Omics Publishing Group/ACR***, Omicsonline 1 prezente
36. Ilia G. - ***Journal of Applied Polymer Science*****,** Wiley 4 prezente
37. Ilia G. - ***Journal of Colloid and Interface Science***, Elsevier 1 prezenta
38. Ilia G. - ***Journal of Hazardous Materials***, Elsevier 1 prezente
39. Ilia G. - ***Journal of Inorganic and Organometallic Polymers and Material*****,** Springer 1 prezenta
40. Ilia G. - ***Journal of Thermal Analysis and Calorimetry***, Springer 1 prezenta
41. Ilia G. - ***Journal of Magnetism and Magnetic Materials***, Elsevier 1 prezenta
42. Ilia G. - ***British Journal of Applied Science & Technology***, Sciencedomain 1 prezenta
43. Ilia G. - ***American Journal of Polymer Science***, Sapub 1 prezente

44. Ilia G. - ***Industrial & Engineering Chemistry Research***, Pubs.ACS.org 1 prezenta
45. Ilia G. - ***Heteroatom Chemistry***, Wiley 1 prezenta
46. Muntean S.G. - ***Journal of Materials Chemistry*** A, RSC, 2 prezențe
47. Plesu N. - ***Annals of West University of Timisoara*** Ed. Universitatii de Vest Timisoara, 1 prezenta
48. Plesu N. - ***Synthetic Metals***, Elsevier, 1 prezenta
49. Savii C. – 4 teze
50. Costisor Otilia 5 teze

COOPERARI STIINTIFICE

a. Schimburi interacademice

1. Institutul de Morfologie, Patologie si Antropologie Experimentala si Muzeu al Academiei Bulgare de Stiinte din Sofia
Tematica de cercetare: ‚Evaluation of antitumor and antiviral activities of newly coordination compound of bile acids, Schiff and Mannich type bases with 3d metal ions.

2. Academia de Stiinte a Republicii Cehe, Institutul de Chimie Anorganica, Departamentul de Chimia Starii Solide si Compusi de Intercalare, Praga, Republica Ceha
Tematica de cercetare: „Sinteza si caracterizarea unor nanomateriale chimic active".

3. Universitatea din Belgrad, Facultatea de de Chimie Fizică şi la Departamentul de Cataliză şi Inginerie chimică din cadrul Institutului de Chimie Tehnologie şi Metalurgie**,** Localitatea Belgrad, Serbia
Tematica de cercetare: Heteropoliacizi cu structura Keggin folositi în cataliza eterogenă

b. Colaborari internationale bilaterale

4. Institution of Russian Academy of Sciences,Institute of Macromolecular Compounds Russian Academy of Sciences*,* Saint-Petersburg, RUSSIA
Elena Tarabukina, PhD, Coordinator, Senior researcher, Laboratory of molecular physics of polymers
Tematica de cercetare: Synthesis, characterisation and investigation of structure and properties in solutions of porphyrin based compounds using methods of molecular hydrodynamics and optics (sedimentation and diffusion analysis, viscometry, dynamic and static light scattering).
Institute of Chemistry Timisoara of Romanian Academy, Group Dr. Eugenia Fagadar-Cosma (Organic Chemistry Laboratory)

5. Kiev National University of Technologies & Design, Kiev, Ucraina
Group of Professor Viacheslav Barsukov (Department of Electrochemical Power Engineering & Chemistry)
Tematica de cercetare: Synthesis, diagnostic and electrochemical characterization of advanced nanomaterials for intersectorial applications, based on metalloporphyrins and their applications as electrocatalytic active materials for oxygen reduction. Self-assembling and self-organization.
In the frame of scientific collaboration programs encoureged by *EU-PROJECT MINOS EURONET" Cooperation in research in an enlarged Europe"*

6. Colaborare bilaterala Romania Ungaria 2013-2014
Contract nr. 669/2013
Institutul de Chimie Timisoara - Universitatea Tehnica si Economica Budapesta
Coordonator: Dr. Ing. Gheorghe Ilia
Coordonator: prof Gyorgy Keglevich

c. Colaborari cu universitati si institute internationale:

7. Institute of Applied Synthetic Chemistry, Universitatea Tehnica Viena, Austria, prof. Wolfgang Linert.
Tema: Combinatii polinucleare precursori pentru sisteme supramoleculare si materiale avansate.
8. Institute fuer Anorganische Chemie, Universitatea Koeln, Germania, Prof. G. Meyer.
Tema: Relatii structura - proprietati ale combinatiilor polinucleare cintinand liganzi de tip baze Mannich.
9. Universitatea Hull, Departamentul de Chimie. Anglia, prof. Georg Mehl.
Tema: Compusi cu proprietati multifunctionale: cristalin-lichide, fotocromice si luminescenta.
10. Kiev National University of Technologies & Design, Kiev, Ucraina
Group of Professor Viacheslav Barsukov (Department of Electrochemical Power Engineering & Chemistry)
11. Nicolaus Copernicus University, Faculty of Pharmacy, Collegium Medicum, Bydgoszcz, Poland, DSc Grzegorz Bazylak (Department of Pharmaco-Bromatology & Molecular Nutrition).
12. University of Mexico School of Medicine, Albuquerque, USA (Prof. Dr. Tudor I. Oprea, Dr. Cristian G. Bologa)
13. Universitatea, Karl-Franzens' Graz, Institutul de Chimie Organică, Graz, Austria (Prof. dr. Walter M.F. Fabian)
14. Natural Science Laboratory, Toyo University, Tokyo, Japonia (Prof. dr. Takahiro Suzuki)
15. Acord de cooperare cu Cape Peninsula University of Technology, Faculty of Applied Science, Department of Chemistry, Cape Town, Africa de Sud, (Prof. T.N. van der Walt)
16. Universitatea Leipzig, Institut fur Analitische Chimie. (Prof. dr. Stefan Bergher)
17. Nankai University, Institute of Polymer Chemistry, R.P. China. (Prof. Dr.Zhang Zhengpu)
18. University of Crete, Department of Chemistry, Grecia (Prof. Dr. Konstantinos D. Demadis)
19. Inst. Chim. Anorg. Rez, Ac.Stiințe Republica Cehă;UAChR.Cz
20. Fac Tehnol.Univ. Novi-Sad, Serbia

d. Colaborari cu universitati si institute nationale:

21. Universitatea de Medicină şi Farmacie Victor Babeş Timişoara, Facultatea de Farmacie (Prof. dr. Kurunczi Ludovic, Conf. dr. Şeclăman Edward, Dr. Daniela Ionescu)
22. Univ. de Vest Timişoara- Prof. Nicolae Doca, Conf. Titus Vlase
23. Institutul National de Electrochimie şi Materiale Condensate Timişoara (INMCD) (Dr.Ing. Ioan Tăranu, Dr. Ing. Paula Sfarloagă)
24. Universitatea "Politehnica" Timisoara, Facultatea de Chimie Industriala si Ingineria Mediului (Dr.Ing. Simona Popa, Dr.Ing. Andrea Kellenberger, Dr.Ing. Geza Bandur, Dr.Ing. Nicolae Vaszilcsin, Dr.chim Narcis Duteanu, dr. ing. Bercean Vasile, Prof. dr. Davidescu C.M., Prof. dr. Pacurariu C., Prof. dr. Negrea P., Sef Luc. Negrea A.)
25. Azur Timisoara, Subsidiary of ICC Industries Inc. New York, U. S. A. (Ing. Adriana Miulescu)
26. U.S.A.M.V. "Banat" Timisoara, Facultatea de Medicina Veterinara, laboratorul Discilinei de Microbiologie : Prof. dr. Radu Trif, Conf. dr. Ileana Nichita; Facultatea de Tehnologia Produselor Alimentare: Conf. dr. Butnariu Monica.
27. Institutul de Chimie Fizica "Ilie Murgulescu" Bucuresti- Dr. Viorivca Parvulescu

28. Institutul National pentru Cerecetare-Dezvoltare a thnologiilor Izotopice si Moleculare Cluj Napoca (NIRDIMT)- Dr. Nicolae Aldea
29.Institutul de Chimie Macromoleculară „Petru Poni" Iasi (Dr.Ing. Sergiu Coşeri, Dr.Ing. Violeta Neagu, Dr.Ing. George Nistor)
30. Universitatea "Aurel Vlaicu" Arad, Facultatea de Inginerie Alimentară, Turism şi Protecția mediului (Dr.Ing. Michaela Dina Stănescu)
31.Institutul Național de Cercetare Dezvoltare pentru Chimie şi Petrochimie –ICECHIM, Bucureşti (Dr.Ing. Valentin Rădițoiu, Dr.Ing. Luminița Wagner)
32.Universitatea Politehnica Bucuresti, Facultatea de Chimie Aplicată şi Stiința Materialelor (Dr.Ing. Stefan Tomas)
33.Institutul National de Metale rare si neferoase Bucuresti (INMR) (Dr.Ing. Roxana Mioara Piticescu)
34.Institutul de Fizica Cluj-Napoca

Personalitati din strainatate care au vizitat si sustinut conferinte la ICT 2013

1.	Alexandrova R.	Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian Academy of Sciences, Bulgaria
2.	Almasy L.	Institute for Solid State Physics and Optics of the Hungarian Academy of Sciences, Budapest.
3.	Andonova-Lilova B.	Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian Academy of Sciences, Bulgaria
4.	Balogh R.	MTA-SZTE Bioinorganic Chemistry Research Group at Department of Inorganic and Analytical Chemistry, University of Szeged, Hungary
5.	Bologa C.G.	Department of Internal Medicine, University of New Mexico Health Sciences Center, Albuquerque, NM
6.	Borsos K.	MTA-SZTE Bioinorganic Chemistry Research Group at Department of Inorganic and Analytical Chemistry, University of Szeged, Hungary
7.	Cotarca L.	Head of Research & Industrial Development, ZaCh spa - Zambon Chemicals, Italy
8.	Czene A.	MTA-SZTE Bioinorganic Chemistry Research Group, Department of Inorganic and Analytical Chemistry, University of Szeged, Hungary
9.	Dyakova L.	Institute of Neurobilogy, Bulgarian Academy of Sciences, Sofia, Bulgaria
10.	Endreffy E.	Department of Pediatrics, Albert Szent-Györgyi Medical Center, University of Szeged, Hungary
11.	Faigl F.	Research Group for Organic Chemical Technology, University of Technology and Economics, Budapest, Budapest, Hungary
12.	Fogassy E.	Department of Organic Chemistry and Technology, University of Technology and Economics, Budapest
13.	Georgieva M.	Institute of Molecular Biology, Sofia, Bulgaria
14.	Gyurcsik B.	MTA-SZTE Bioinorganic Chemistry Research Group, Department of Inorganic and Analytical Chemistry, University of Szeged, Hungary
15.	Hey-Hawkins E.	Institute of Inorganic Chemistry Faculty of Chemistry and Mineralogy, Universität Leipzig, Germany
16.	Jancsó A.	MTA-SZTE Bioinorganic Chemistry Research Group at Department of Inorganic and Analytical Chemistry, University of Szeged, Hungary
17.	Kalfin R.	Institute of Neurobilogy, Bulgarian Academy of Sciences, Sofia, Bulgaria
18.	Labadi I.	University of Szeged, Department of Inorganic and Analytical Chemistry, Hungary
19.	Laczkó L.	University of Szeged, Department of Inorganic and Analytical Chemistry, Hungary

20.	Laguna A.	Departamento de Química Inorgánica. Instituto de Síntesis Química y Catálisis Homogénea. Universidad de Zaragoza, Spain
21.	Mehl G.H.	Department of Chemistry, University of Hull, Hull, UK
22.	Miloshev G.	Institute of Molecular Biology, Sofia, Bulgaria
23.	Németh E.	MTA-SZTE Bioinorganic Chemistry Research Group, Department of Inorganic and Analytical Chemistry, University of Szeged, Hungary
24.	Niznansky D.	Department of Inorganic Chemistry; Charles University in Prague; Faculty of Science; Praha; Czech Republic
25.	Oszko A.	Institute of Physical Chemistry and Material Science-University of Szeged
26.	Palovics E.	Research Group for Organic Chemical Technology, University of Technology and Economics, Budapest, Hungary
27.	Plocek J.	Institute of Inorganic Chemistry, v.v.i., Academy of Sciences of the CR, Czech Republic
28.	Salifoglou A.	Department of Chemical Engineering, Aristotle University of Thessaloniki, Greece
29.	Szekely N.	Institute for Solid State Physics and Optics of the Hungarian Academy of Sciences , Budapest
30.	Szeleczky Z.	Department of Organic Chemistry and Technology, University of Technology and Economics, Budapest
31.	Zeng X.	The University of Sheffield, Department of Materials Science and Engineering, Sheffield, UK
32.	Zhivkova T.	Institute of Experimental Morphology, Pathology and Anthropology with Museum, Bulgarian Academy of Sciences, Bulgaria
33.	Zóka I. G.	MTA-SZTE Bioinorganic Chemistry Research Group, Department of Inorganic and Analytical Chemistry, University of Szeged, Hungary

Prestigiul ICT
Note suplimentare

Vizibilitatea ICT :

1. Relatii internationale:
   - Schimburi interacademice: Republicile Rusă, Ceha, Sârba, si Ungaria şi Bulgaria
   - Programul COPBIL: Bulgaria
   - Colaborari bilaterale: Austria, Anglia, Italia, Franta, Germania, Ungaria.

2. Colaborari cu institutii de invatamant superior din tara si institute ale Academiei Române - 29

3. Cercetatori ai ICT sunt experti evaluatori pentru:
   - Programe europene:
     - Costisor Otilia :
       - FP 7 : Membru in comitetul managerial al proiectului COST CM0802 "Phoscinet"
   - Fagadar-Cosma Eugenia -FP 7:
     -INNOVATION Programme si EUREKA
     -National Excelence Programs for EU integration (since 2005)
     - Savii Cecilia : - FP 7 'Nanosciences, Nanotechnologies,Materials and New Production Technologies", FP7-NMP-2012-LARGE-6.

   - Programele nationale de cercetare dezvoltare ale altor ţări:
     - Savii Cecilia - expert evaluator si referent la : Czech Science Foundation (GA CR), (2010 – 2013); Grantové Agentura České Republiky

   - Comisii de doctorat ale universitatilor din strainatate:
     Costisor Otilia – Universitatea Cairo – Facultatea de stiinte.

4. Cercetatori ICT fac parte din comisii de doctorat: 6
5. 12 Cercetatori au fost referenti: 82 prezenţe
6. Personalităţi din ţara si strainatate au vizitat institutul si au ţinut conferinte si prezentari orale: 28
7. Cercetatori ai ICT fac parte din comisii ale MEC(ex. CNATDCU): 1