

**UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI**  
**FACULTATEA DE INGINERIE CHIMICĂ ȘI PROTECȚIA MEDIULUI „CRISTOFOR SIMIONESCU”**  
**DEPARTAMENTUL DE POLIMERI NATURALI ȘI SINTETICI**

Concurs pentru ocuparea postului de **Conferențiar universitar**, poz. 6

Disciplinele postului: 1. Chimia compușilor macromoleculari 1, 2  
2. Adezivi, lacuri și vopsele

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

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Candidată: **Epure Elena-Luiza** / Data nașterii: 07.02.1976. Funcția actuală: Șef lucrări, Data numirii în funcția actuală: 01.10.2014 Instituția: Facultatea de Inginerie Chimică și Protecția Mediului „Cristofor Simionescu”, Universitatea Tehnică “Gheorghe Asachi” din Iași.

***Se preia tabelul și definițiile corespunzătoare domeniului științific aferent, conform Anexei PO.DID.12\_A1.3.***

***(Modul de îndeplinire a standardelor minime naționale va fi prezentat în mod explicit și va trebui însoțit de dovezi)***

**Domeniul Inginerie chimică (Comisia de Inginerie chimică, Inginerie medicală, Știința materialelor și Nanomateriale)**

NTOP= număr total de articole în reviste ISI situate în top 25% (zona roșie) în calitate de autor principal. Situația revistelor în top 25% se judecă pe cazul cel mai favorabil pentru candidat, fie la momentul publicării, fie la data înscrierii în concurs.

FIC= factor de impact cumulat( suma factorilor de impact ai revistelor la momentul înscrierii la concursul pentru ocuparea unei poziții didactice)

NP= număr articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență)

NC= număr total de citări (din baza SCOPUS) (se exclud autocitările candidatului)

NCO= număr contracte de cercetare-dezvoltare-inovare obținute prin competiție la nivel național sau internațional ori contracte de cercetare-dezvoltare-inovare cu terții în valoare minimă echivalentă cu 10.000 Euro

Articolele pentru calculul NTOP, FIC, NP, NC se vor lua în considerare numai dacă la data publicării revista era indexată ISI, iar la data înscrierii la concurs a candidatului articolele sunt vizibile în WOS sau dacă se prezintă ca reprinturi (inclusiv cu paginația revistei).

## 1. Concurs de Conferențiar / CS II

Standarde minimale (cumulative):

a)  $NTOP \geq 2$

b)  $NP \geq 10$

c)  $FIC \geq 15$

În acest caz în calculul FIC se ține seama de factorul de impact al revistei la care candidatul a publicat un articol ca autor principal și respectiv de factorul de impact împărțit la numărul de autori pentru revistele în care candidatul a publicat un articol în care nu este autor principal

d)  $NC \geq 50$

Brevetele naționale ( $FI = 1$ ) și internaționale ( $FI = 3$ ) intră în calculul FIC de la punctul c)

e)  $NCO \geq 1$  (în calitate de Director proiect/Responsabil proiect)

	Standarde naționale minimale (cumulative)		Observații
	Standard impus	Realizări	
1)	$NTOP \geq 2$	6	îndeplinit
2)	$NP \geq 10$	11	îndeplinit
3)	$FIC \geq 15$	43.62	îndeplinit
4)	$NC \geq 50$	128	îndeplinit
5)	$NCO \geq 1$	1	îndeplinit

### Dovezi îndeplinire standarde

1.  $NTOP \geq 2$  (Număr total de articole în reviste ISI situate în top 25% (zona roșie) în calitate de autor principal).

Număr de realizari  $NTOP = 6$

1.1. **Elena-Luiza Epure**, F. D. Cojocar, M. Aradoaei, C. R. Ciobanu, G. Dodi, *Exploring the surface potential of recycled polyethylene terephthalate composite supports on the collagen contamination level*, Polymers, 15(3), 10.3390/polym15030776, 2023 (prim autor, Q1-2022).

1.2. **Elena-Luiza Epure**; G. Lisa; Ghe. Simion; C.-I. Ciobanu; A. Simion; I. Cârlescu, *Thermal behavior, decomposition mechanism by TG/MS/FTIR technique and theoretical study of some symmetric and asymmetric bent-core liquid crystals based on 2,7-dihydroxynaphthalene*, Journal of Thermal Analysis and Calorimetry, 147(21), 10.1007/s10973-022-11378-5, 2022 (prim autor, Q1-2022).

1.3. **Elena-Luiza Epure**, S. D. Oniciuc, N. Hurduc, E. N. Drăgoi, *Artificial Neural Network Modeling of Glass Transition Temperatures for Some Homopolymers with Saturated Carbon Chain Backbone*, Polymers, 13(23), 10.3390/polym13234151, 2021 (prim autor, Q1-2021).

1.4. **Elena-Luiza Epure**, I. Stoica, R. M. Albu, C. Hulubei, A. I. Barzic, *New strategy for inducing surface anisotropy in polyimide films for nematics orientation in display applications*, Nanomaterials, 11 (11), 10.3390/nano11113107, 2021 (prim autor, Q1/ PHYSICS, APPLIED - SCIE -2021).

1.5. C. Hamciuc, G. Lisa, E. Hamciuc, **Elena-Luiza Epure**, N. Tudorachi, *Thermal behavior study and degradation mechanism by TG/MS/FTIR technique of some poly(aryl ether ether ketone)s*, Journal of Analytical and Applied Pyrolysis, 150, 2020, 10.1016/j.jaap.2020.104877 (autor de corespondență, Q1-2020).

1.6. **Elena-Luiza Epure**, T. Vasiliu, N. Hurduc, A. Neamțu, *Molecular modeling study concerning the self-assembly capacity of some photosensitive amphiphilic polysiloxanes*, Journal of Molecular Liquids, 300, 10.1016/j.molliq.2019.112298, 2020 (prim autor, Q1-2020).

**2. NP ≥ 10** (număr articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență)).

**Număr de realizari NP= 11**

2.1. E. N. Dragoi, I. Carlescu, R. Puf, T. Vasiliu, **Elena-Luiza Epure**, *Neuro-evolutive modeling of transition temperatures for five-ring bent-core liquid crystals derived from resorcinol*, Crystals, 13(4), 10.3390/cryst1304058, 2023 (autor de corespondență).

2.2. **Elena-Luiza Epure**, F. D. Cojocaru, M. Aradoaei, C. R. Ciobanu, G. Dodi, *Exploring the surface potential of recycled polyethylene terephthalate composite supports on the collagen contamination level*, Polymers, 15, 10.3390/polym15030776, 2023 (prim autor).

2.3. **Elena-Luiza Epure**, G. Lisa, Ghe. Simion, C.-I. Ciobanu, A. Simion, I. Cârlescu, *Thermal behavior, decomposition mechanism by TG/MS/FTIR technique and theoretical study of some symmetric and asymmetric bent-core liquid crystals based on 2,7-dihydroxynaphthalene*, Journal of Thermal Analysis and Calorimetry, 147(21), 10.1007/s10973-022-11378-5, 2022 (prim autor).

2.4. **Elena-Luiza Epure**, S. D. Oniciuc, N. Hurduc, E. N. Drăgoi, *Artificial Neural Network Modeling of Glass Transition Temperatures for Some Homopolymers with Saturated Carbon Chain Backbone*, Polymers, 13 (23), 10.3390/polym13234151, 2021 (prim autor).

2.5. **Elena-Luiza Epure**, I. Stoica, R. M. Albu, C. Hulubei, A. I. Barzic, *New strategy for inducing surface anisotropy in polyimide films for nematics orientation in display applications*, Nanomaterials, 11(11), 10.3390/nano11113107, 2021 (prim autor).

2.6. C. I. Ciobanu, I. Berladean, **Elena-Luiza Epure**, A. Simion, G. Lisa, Y. Boussoualem, I. Carlescu, *Mesomorphic and Thermal Behavior of Symmetric Bent-Core Liquid Crystal Compounds Derived from Resorcinol and Isophthalic Acid*, Crystals, 11 (10), 10.3390/cryst11101215, 2021 (autor de corespondență).

2.7. C. Hamciuc, G. Lisa, E. Hamciuc, **Elena-Luiza Epure**, N. Tudorachi, *Thermal behavior study and degradation mechanism by TG/MS/FTIR technique of some poly(aryl ether ether ketone)s*, Journal of Analytical and Applied Pyrolysis, 150, 10.1016/j.jaap.2020.104877, 2020 (autor de corespondență).

2.8. **Elena-Luiza Epure**, T. Vasiliu, N. Hurduc, A. Neamțu, *Molecular modeling study concerning the self-assembly capacity of some photosensitive amphiphilic polysiloxanes*, Journal of Molecular Liquids, 300, 10.1016/j.molliq.2019.112298, 2020 (prim autor).

2.9. A.-C. Lupu, S. Ciobotărescu S, G. Lisa G., N. Hurduc N., L.D. Miron, **Elena-Luiza Epure**, *Characterization of  $\beta$ -cyclodextrin-dimiazene Acetate Complex Used to Treat Ichthyophthirius multifiliis Infection in Common Carp*, Revista de Chimie, 71(3), 90-101, doi.org/10.37358/RC.20.3.7977, 2020 (autor de corespondență).

2.10. **Elena-Luiza Epure**, E. Resmeriță, A.D. Rusu, B. Simionescu, C. Ibănescu, *Physical networks based on gelatin and ao-polysiloxanes*, Environmental Engineering and Management Journal, 17(7), WOS 441723100021, 2018 (prim autor).

2.11. **Elena-Luiza Epure**, I.A. Moleavin, E. Taran, AV. Nguyen, N. Nichita, N. Hurduc N, *Azo-polymers modified with nucleobases and their interactions with DNA molecules*, Polym. Bull., 67, 10.1007/s00289-010-0436-1, 2011 (prim autor).

3. **FIC $\geq$  15** -factor de impact cumulat( suma factorilor de impact ai revistelor la momentul înscrierii la concursul pentru ocuparea unei poziții didactice)

**Număr realizat FIC= 43.62**

Nr. crt.	Detalii articol	FI articol 2024	Nr autori*	FI calculat
1.	I. Berladean, <b>Elena-Luiza Epure</b> , C. I. Ciobanu, I. Carlescu, Y. Boussoualem, P.-E. Danjou, V. Bhat, B. Duponchel, N. Hurduc, A. Daoudi, <i>Novel antiferroelectric materials with resorcinol-based symmetrical fluorinated bent-core mesogens</i> , Journal of Molecular Liquids, 388, <a href="http://dx.doi.org/10.1016/j.molliq.2023.122753">http://dx.doi.org/10.1016/j.molliq.2023.122753</a> , 2023	5.300	10	0.53
2.	D.-P. Burduhos-Nergis, N. Cimpoesu, <b>Elena-Luiza Epure</b> , B. Istrate, D.-D. Burduhos-Nergis, C. Bejinariu, <i>Ca-Zn phosphate conversion coatings deposited on Ti6Al4V for medical applications</i> , Coatings, 13(6), 1029, <a href="http://dx.doi.org/10.3390/coatings13061029">http://dx.doi.org/10.3390/coatings13061029</a> , 2023	2.900	6	0.48
3.	C. Nejneru, R. Cimpoesu, P. Vizureanu, <b>Elena -Luiza Epure</b> , M. C. Perju, Ș. C. Lupescu, <i>Study on the thermal fatigue effect of carboxymethylcellulose solution media dissolved in water as a quenching cooling medium</i> , Applied Sciences-Basel, 13(10), 6021, <a href="http://dx.doi.org/10.3390/app13106021">http://dx.doi.org/10.3390/app13106021</a> , 2023	2.500	6	0.42
4.	E. N. Dragoi, I. Carlescu, R. Puf, T. Vasiliu, <b>Elena-Luiza Epure</b> , <i>Neuro-evolutive modeling of transition temperatures for five-ring bent-core liquid crystals derived from resorcinol</i> , Crystals, 13(4), 583, <a href="http://dx.doi.org/10.3390/cryst13040583">http://dx.doi.org/10.3390/cryst13040583</a> , 2023	2.400	na	2.40
5.	<b>Elena-Luiza Epure</b> , F. D. Cojocaru, M. Aradoaei, C. R. Ciobanu, G. Dodi, <i>Exploring the surface potential of recycled polyethylene terephthalate composite supports on the collagen contamination level</i> , Polymers, 15(3), 776, <a href="http://dx.doi.org/10.3390/polym15030776">http://dx.doi.org/10.3390/polym15030776</a> , 2023	4.700	na	4.70
6.	M. Axinte, P. Vizureanu, N. Cimpoesu, C. Nejneru, D.-P. Burduhos-Nergis, <b>Elena-Luiza Epure</b> , <i>Analysis of physicochemical properties of W1.8507 steel parts with sharp edges, thermochemically treated by plasma nitriding with and without polarized screens</i> , Coatings, 13(1), 177, <a href="http://dx.doi.org/10.3390/coatings13010177">http://dx.doi.org/10.3390/coatings13010177</a> , 2023.	2.900	6	0.48
7.	I. Stoica, <b>Elena-Luiza Epure</b> , A. I. Barzic, I. Mihaila, C.-P. Constantin, I. Sava, <i>The impact of the azo-chromophore sort on the features of the supramolecular azopolyimide films desired to be used as substrates for flexible electronics</i> , International Journal of Molecular Sciences, 23(23), 15223, <a href="http://dx.doi.org/10.3390/ijms232315223">http://dx.doi.org/10.3390/ijms232315223</a> , 2022	4.900	6	0.82
8.	<b>Elena-Luiza Epure</b> , G. Lisa, Ghe. Simion, C.-I. Ciobanu, A. Simion, I. Cârlescu, <i>Thermal behavior, decomposition mechanism by TG/MS/FTIR technique and theoretical study of some symmetric and asymmetric bent-core liquid crystals based on 2,7-dihydroxynaphthalene</i> , Journal of Thermal Analysis and Calorimetry, 147(21), pp 12033-12045, <a href="http://dx.doi.org/10.1007/s10973-022-11378-5">http://dx.doi.org/10.1007/s10973-022-11378-5</a> , 2022	3.000	na	3.00

9.	I. Stoica, I. Sava, <b>Elena-Luiza Epure</b> , V. Tiron, J. Konieczkowska, E. Schab-Balcerzak, <i>Advanced morphological, statistical and molecular simulations analysis of laser-induced micro/nano multiscale surface relief gratings</i> , Surfaces and Interfaces, 29, 101743, <a href="http://dx.doi.org/10.1016/j.surfin.2022.101743">http://dx.doi.org/10.1016/j.surfin.2022.101743</a> , 2022	5.700	6	0.95
10.	<b>Elena-Luiza Epure</b> , S. D. Oniciuc, N. Hurduc, E. N. Drăgoi, <i>Artificial Neural Network Modeling of Glass Transition Temperatures for Some Homopolymers with Saturated Carbon Chain Backbone</i> , Polymers, 13(23), 4151, <a href="http://dx.doi.org/10.3390/polym13234151">http://dx.doi.org/10.3390/polym13234151</a> , 2021	4.700	na	4.70
11.	<b>Elena-Luiza Epure</b> , I. Stoica, R. M. Albu, C. Hulubei, A. I. Barzic, <i>New strategy for inducing surface anisotropy in polyimide films for nematics orientation in display applications</i> , Nanomaterials, 11(11), 3107, <a href="http://dx.doi.org/10.3390/nano11113107">http://dx.doi.org/10.3390/nano11113107</a> , 2021	4.400	na	4.40
12.	C. I. Ciobanu, I. Berladean, <b>Elena-Luiza Epure</b> , A. Simion, G. Lisa, Y. Boussoualem, I. Carlescu, <i>Mesomorphic and Thermal Behavior of Symmetric Bent-Core Liquid Crystal Compounds Derived from Resorcinol and Isophthalic Acid</i> , Crystals, 11(10), 1215, <a href="http://dx.doi.org/10.3390/cryst11101215">http://dx.doi.org/10.3390/cryst11101215</a> , 2021.	2.400	na	2.40
13.	M.A. Olariu, C. Hamciuc, M. Asandulesa, E. Hamciuc, <b>Elena-Luiza Epure</b> , V. Tsakiris, G. Lisa, <i>Study on highly thermostable low-k polymer films based on fluorene-containing polyetherimides</i> , Polymer Engineering and Science, 61(10), <a href="http://dx.doi.org/10.1002/pen.25792">http://dx.doi.org/10.1002/pen.25792</a> , 2021.	3.200	7	0.46
14.	I. Stoica I, <b>Elena-Luiza Epure</b> , C.P. Constantin, M.D. Damaceanu, E. L Ursu, I. Mihaila, I. Sava, <i>Evaluation of local mechanical and chemical properties via AFM as a tool for understanding the formation mechanism of pulsed UV laser-nanoinduced patterns on azo-naphthalene-based polyimide films</i> , Nanomaterials, 11(3), 812, <a href="http://dx.doi.org/10.3390/nano11030812">http://dx.doi.org/10.3390/nano11030812</a> , 2021.	4.400	7	0.63
15.	C. Hamciuc, G. Lisa, E. Hamciuc, <b>Elena-Luiza Epure</b> , N. Tudorachi, <i>Thermal behavior study and degradation mechanism by TG/MS/FTIR technique of some poly(aryl ether ether ketone)s</i> , Journal of Analytical and Applied Pyrolysis, 150, 104877, <a href="http://dx.doi.org/10.1016/j.jaap.2020.104877">http://dx.doi.org/10.1016/j.jaap.2020.104877</a> , 2020.	5.800	na	5.80
16.	G. Bulai, <b>Luiza Epure</b> , M. Strat, S. Toma, N. Cimpoesu, S. Gurlui, R. Constantinel, N. Hurduc, <i>Azo-polysiloxanes spontaneous surface relief grating by pulsed laser irradiation</i> , Applied Physics A- Materials Science & Processing, 126(8), 616, <a href="http://dx.doi.org/10.1007/s00339-020-03800-2">http://dx.doi.org/10.1007/s00339-020-03800-2</a> , 2020	2.500	8	0.31
17.	I. Carlescu, A. Simion, <b>Elena-Luiza Epure</b> , G. Lisa, D. Scutaru, <i>Self-assembled star-shaped liquid crystals based on 1,3,5-trihydroxybenzene with pendant alkyloxylated azobenzene arms</i> , Liquid Crystals, 47(12), pp 1852-62, <a href="https://doi.org/10.1080/02678292.2020.1747648">https://doi.org/10.1080/02678292.2020.1747648</a> , 2020	2.400	5	0.48
18.	<b>Elena-Luiza Epure</b> , T. Vasiliu, N. Hurduc, A. Neamțu, <i>Molecular modeling study concerning the self-assembly capacity of some photosensitive amphiphilic polysiloxanes</i> , Journal of Molecular Liquids, 300, 112298, <a href="http://dx.doi.org/10.1016/j.molliq.2019.112298">http://dx.doi.org/10.1016/j.molliq.2019.112298</a> , 2020	5.300	na	5.30
19.	A.-C. Lupu, S. Ciobotărescu S, G. Lisa G., N. Hurduc N., L.D. Miron, <b>Elena-Luiza Epure</b> , <i>Characterization of <math>\beta</math>-cyclodextrin-dimazine Acetate Complex Used to Treat Ichthyophthirius multifiliis Infection in Common Carp</i> , Revista de Chimie, 71(3), pp. 90-101, <a href="http://dx.doi.org/10.37358/RC.20.3.7977">http://dx.doi.org/10.37358/RC.20.3.7977</a> , 2020.	0	na	0
20.	Elena-Luiza Epure, E. Resmeriță, A.D. Rusu, B. Simionescu, C. Ibănescu, <i>Environmental Engineering and Management Journal, Physical networks based on gelatin and azo-polysiloxanes</i> , 17(7), pp. 1721-1728, WOS: 441723100021,	0.900	na	0.90

	<a href="http://www.eemj.icpm.tuiasi.ro/pdfs/vol17/full/no7/21_72_Epure_14.pdf">http://www.eemj.icpm.tuiasi.ro/pdfs/vol17/full/no7/21_72_Epure_14.pdf</a> , 2018			
21.	I. Stoica, <b>Luiza Epure</b> , I. Sava, V. Damian, N. Hurduc, <i>An Atomic Force Microscopy Statistical Analysis of Laser-Induced Azo-polyimide Periodic Tridimensional Nanogrooves</i> , Microscopy Research and Technique, 76(9), pp. 914-923, <a href="https://doi.org/10.1002/jemt.22248">https://doi.org/10.1002/jemt.22248</a> , 2013	2.000	5	0.40
22.	R.M. Onofrei (Aioanei), I. Carlescu, <b>Luiza Epure</b> , D. Scutaru, <i>Synthesis and Liquid Crystalline Properties of some Esters of 4-Ferrocenyl-4'-hydroxyazobenzene</i> , Acta Chimica Slovenica, 60(3), pp 604-616, WOS: 327406400017, <a href="https://acta-arhiv.chem-soc.si/60/60-3-604.pdf">https://acta-arhiv.chem-soc.si/60/60-3-604.pdf</a> , 2013.	1.200	4	0.30
23.	<b>Elena-Luiza Epure</b> , I.A. Moleavin, E. Taran, AV. Nguyen, N. Nichita, N. Hurduc, <i>Azo-polymers modified with nucleobases and their interactions with DNA molecules</i> , Polymer Bulletin, 67, pp. 467-478, <a href="http://dx.doi.org/10.1007/s00289-010-0436-1">http://dx.doi.org/10.1007/s00289-010-0436-1</a> , 2011.	3.100	na	3.10
24.	E.-R. Cioancă, <b>Elena Luiza Epure</b> , I. Carlescu, G. Lisa, D. Wilson, N. Hurduc, D. Scutaru, <i>Hockey stick liquid crystals based on a 2,5-asymmetric disubstituted [1,3,4] oxadiazole core</i> , Molecular Crystals and Liquid Crystals, 537(1), pp. 51-63, <a href="https://doi.org/10.1080/15421406.2011.556444">https://doi.org/10.1080/15421406.2011.556444</a> , 2011.	0.700	7	0.10
25.	A.M. Resmerita, <b>Luiza Epure</b> , D. Adès, A. Siove, N. Hurduc, <i>Surface properties, thermal behavior and molecular simulations of azo-polysiloxanes under light stimuli. Insight into the relaxation</i> , Macromolecular Research, 18(8), pp. 721-729, <a href="http://dx.doi.org/10.1007/s13233-010-0806-4">http://dx.doi.org/10.1007/s13233-010-0806-4</a> , 2010.	2.800	5	0.56
<b>Total</b>		-		<b>43.62</b>

\*na- candidata este autor principal (prim autor sau autor de corespondență)

**4.  $NC \geq 50$**  (număr total de citări (din baza SCOPUS) (se exclud autocitările candidatului)).

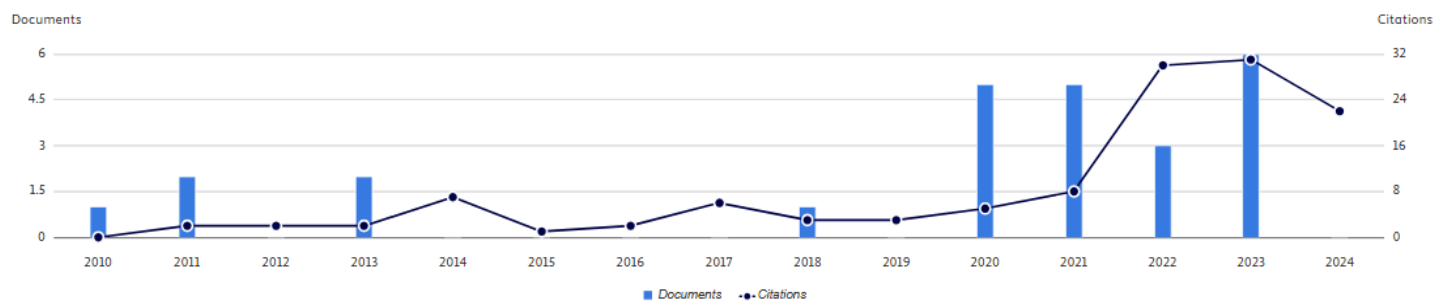
**Număr realizat NC= 128**

## Citation overview

Epure, Elena Luiza

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Documents	Year	<2010	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Subtotal	>2024	Total
<b>Total</b>		0	0	2	2	2	7	1	2	6	3	3	5	8	30	31	22	124	4	128
1	<a href="#">Novel antiferroelectric materials with resorcin...</a>	2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
2	<a href="#">Ca–Zn Phosphate Conversion Coatings Deposit...</a>	2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	<a href="#">Study on the Thermal Fatigue Effect of Carboxy...</a>	2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	1	5
4	<a href="#">Neuro-Evolute Modeling of Transition Temper...</a>	2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

5	Exploring the Surface Potential of Recycled Pol...	2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	0	3	
6	Analysis of Physicochemical Properties of W1.8...	2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	
7	The Impact of the Azo-Chromophore Sort on th...	2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	3	
8	Thermal behavior, decomposition mechanism ...	2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0		
9	Advanced morphological, statistical and molec...	2022	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	6	0	6	
10	Artificial neural network modeling of glass tra...	2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	2	
11	New strategy for inducing surface anisotropy i...	2021	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5	2	11	0	11	
12	Mesomorphic and thermal behavior of symmet...	2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Study on highly thermostable low-k polymer fil...	2021	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	2	11	0	11	
14	Evaluation of local mechanical and chemical p...	2021	0	0	0	0	0	0	0	0	0	0	0	0	1	10	3	2	16	0	16	
15	Thermal behavior study and degradation mec...	2020	0	0	0	0	0	0	0	0	0	0	0	0	1	6	5	4	16	1	17	
16	Azo-polysiloxanes spontaneous surface relief g...	2020	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	
17	Characterization of $\beta$ -cyclodextrin-diminazene...	2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	Molecular modeling study concerning the self-...	2020	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	3	0	3	
19	Self-assembled star-shaped liquid crystals bas...	2020	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	1	6	0	6	
20	Physical networks based on gelatin and azo-po...	2018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	Synthesis and liquid crystalline properties of so...	2013	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2	0	2	
22	An atomic force microscopy statistical analysis...	2013	0	0	0	0	0	1	1	0	1	1	1	3	1	1	1	1	1	12	0	12
23	Azo-Polymers modified with nucleobases and t...	2011	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2	0	2	
24	Hockey stick liquid crystals based on a 2,5-as...	2011	0	0	1	0	1	3	0	0	4	0	1	1	0	1	0	2	14	0	14	
25	Surface properties, thermal behavior, and mol...	2010	0	0	1	1	1	2	0	1	1	1	1	0	0	0	0	0	9	0	9	

**5.  $NCO \geq 1$**  (număr contracte de cercetare-dezvoltare-inovare obținute prin competiție la nivel național sau internațional ori contracte de cercetare-dezvoltare-inovare cu terții în valoare minimă echivalentă cu 10.000 Euro).

**Număr realizat  $NCO = 1$**

NCO= număr contracte de cercetare-dezvoltare-inovare obținute prin competiție la nivel național sau internațional ori contracte de cercetare-dezvoltare-inovare cu terții în valoare minimă echivalentă cu 10.000 Euro

Contract de cercetare-dezvoltare-inovare, *Predicția temperaturilor de tranziție ale polimerilor prin tehnici computaționale combinate (TranzComb)*, GnaC2018\_91, 47.440 lei (10.000 euro), director grant **Elena-Luiza Epure**.

**Data: 20.12.2024**

**Șef lucrări. dr. ch. Elena-Luiza Epure**

