

ANEXA Nr. 5.6

Szabó Gabriella Stefánia

Fișă de îndeplinire a standardelor minime UBB pentru înscrierea la concurs pentru poziția de conferențiar, domeniul CHIMIE:

I. Îndeplinirea criteriilor minime CNATDCU pentru postul de conferențiar/CSII, domeniul CHIMIE

Lista celor 30 de lucrări selectate numerotate 1-30 în ordinea descrescătoare a factorului de impact

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<https://doi.org/10.1016/j.carbpol.2019.03.077>
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3. Márton, P., Nagy, O. T., Kovacs, D., Szolnoki, B., Madarasz, J., Nagy, N., **Szabó, G.S.**, Hórvölgyi, Z.: Barrier behaviour of partially N-acetylated chitosan layers in aqueous media, *International Journal of Biological Macromolecules*, **2023**, 232, 123336, p. 1-8, (**I.f. 8.2**), <https://doi.org/10.1016/j.ijbiomac.2023.123336>
4. Szőke, Á. F., **Szabó, G.**, Hórvölgyi, Z., Albert, E., Végh, A. G., Zimányi, L., Mureşan, L. M.: Accumulation of 2-Acetylamo-5-mercaptop-1,3,4-thiadiazole in chitosan coatings for improved anticorrosive effect on zinc. *International Journal of Biological Macromolecules* **2020**, 142, p. 423-431, (**I.f. 8.2**), <https://doi.org/10.1016/j.ijbiomac.2019.09.114>
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<https://doi.org/10.1016/j.surfin.2019.03.007>
6. Szőke, Á. F., **Szabó, G.**, Simó, Z., Hórvölgyi, Z., Albert, E., Mureşan, L. M.: Chitosan coatings ionically cross-linked with ammonium paratungstate as anticorrosive coatings for zinc, *European Polymer Journal*, **2019**, 118, p. 205-212, (**I.f. 6.0**)
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7. Albert, E., Cotolan, N., Nagy, N., Sáfrán, Gy., **Szabó, G.**, Mureşan, L., Hórvölgyi, Z.: Mesoporous silica coatings with improved corrosion protection properties, *Microporous and Mesoporous Materials*, **2015**, 206, p. 102-113, (**I.f. 5.2**),
<https://doi.org/10.1016/j.micromeso.2014.12.021>
8. Both, J., Fülöp, A.-P., **Szabó, G.**, Katona, G., Ciorîță, A., Mureşan, L. M.: Effect of the preparation method on the properties of Eugenol-doped TiO₂ coating on Ti substrate, *Gels*, **2023**, 9(8), p. 668-685, (**I.f. 4.6**), <https://doi.org/10.3390/gels9080668>
9. Ovari, T.-R., Szőke, Á. F., Katona, G., **Szabó, G.S.**, Mureşan, L. M.: Temporary Anti-Corrosive Double Layer on Zinc Substrate Based on Chitosan Hydrogel and Epoxy Resin, *Gels*, **2023**, 9(5), p 361-375, (**I.f. 4.6**), <https://doi.org/10.3390/gels9050361>
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27. Both, J.; Szabó, G.S., Mureşan, L.M.: Study on the corrosion inhibition efficiency of aluminum tripolyphosphate on zinc substrate, *Studia UBB Chemia*, **(2022)**, 67 (4), p. 261-272, (I.f. 0.3), <https://doi.org/10.24193/subbchem.2022.4.17>
28. Márton, P., Albert, E., Nagy, N., Tegze, B., Szabó, G.S., Hórvölgyi, Z.: Chemically modified chitosan coatings: wetting and electrochemical studies, *Studia UBB Chemia*, **2020**, 65(3), p. 63-79, (I.f. 0.3), <https://doi.org/10.24193/subbchem.2020.3.05>
29. Szabó, G.S., Csiki, E., Szőke, Á. F., Muntean, N: Determination of the antioxidant activity of different types of coffee by means of Briggs-Rauscher analytical method, *Studia UBB Chemia*, **2022**, 67(3), p. 7-16, (I.f. 0.3), <https://doi.org/10.24193/subbchem.2022.3.01>
30. Szabó, G., Albert, E., Hórvölgyi, Z., Muresan, L.: Protective TiO₂ coatings prepared by sol-gel method on Zinc, *Studia UBB Chemia*, **2015**, 60(3), p. 225-235 (I.f. 0.3).

Tabelul 1.

Nr. lucrare	Punctaje				
	FIC	FIC _D	FIC _{AP}	FIC _{AC}	Observații
1	11,2	11,2			Q1, Top 10
2	8,8	8,8			Q1, Top 10
3	8,2	8,2	8,2	8,2	Q1, TOP 10
4	8,2	8,2			Q1, TOP 10
5	6,2	6,2	6,2		Q1, TOP 10
6	6,0	6,0			Q1
7	5,2	5,2			Q1
8	4,6	4,6	4,6	4,6	Q1
9	4,6	4,6	4,6	4,6	Q1
10	4,6	4,6	4,6	4,6	Q2
11	4,0	4,0	4,0	4,0	Q2
12	3,4	3,4	3,4	3,4	Q2
13	3,2	3,2	3,2	3,2	
14	2,9	2,9			
15	2,9	2,9	2,9		Q2
16	2,9	2,9			Q2
17	2,9	2,9			Q2
18	2,9	2,9			Q2
19	2,5	2,5			
20	2,4	2,4			
21	2,2	2,2	2,2	2,2	
22	1,8	1,8			
23	1,3	1,3			
24	1,1	1,1			
25	1,1	1,1	1,1	1,1	
26	0,3	0,3	0,3	0,3	
27	0,3	0,3	0,3	0,3	
28	0,3	0,3	0,3	0,3	
29	0,3	0,3	0,3	0,3	
30	0,3	0,3	0,3	0,3	
TOTAL	106,6	106,6	46,5	37,4	

Tabelul 2

Standarde impuse de acte normative		Valori obținute	
Criterii	Valoare minimală	Realizat	Grad de îndeplinire Da/Nu
FIC	50	106,6	DA
FIC_{AP}	20	46,5	DA
h indexul Sursa	Google Scholar ¹	9	13
	Scopus ²		11
	WOS ³		11

Criteriu CNATDCU îndeplinit**II. Îndeplinirea criteriilor suplimentare specifice UBB pentru postul de conferențiar, domeniul CHIMIE**

Director sau responsabil al unui proiect sau membru în echipa a cel puțin 3 proiecte de cercetare:

Nr.	Proiect	Pozită	Perioada	Sursa de finanțare
1	Complecși coordinativi cu liganzi biologic activi	Membru	1999-2002	CNCSIS
2	Noi metode de determinare a Cu, Pb, Cd și Zn din ape naturale	Membru	2001-2002	Institutul Programelor de Cercetare al Fundației "Sapientia"
3	Studiul agregării și al comportărilor cromotrope ale unor coloranți cinamici merocinamici și analogi cu aplicații potențiale și nanotehnologice	Membru	2006-2008	CNCSIS
4	Nonlinear dynamics in chemistry and environmental science	Membru	2006-2007	CNCSIS
5	Functional dynamics in Complex Chemical and Biological Systems	Membru	2007-2011	ESF – Research Networking Programme
6	Senzori și aparatură pentru controlul calității unor produse alimentare	Membru	2007-2010	PN II
7	Straturi protectoare sol-gel pe suprafețe metalice: preparare și caracterizare	Membru	2013-2014	PN-II-CT-RO-H-

¹ <https://scholar.google.com/citations?user=igh2uA4AAAAJ>

² <https://www.scopus.com/authid/detail.uri?authorId=8143223700>

³ <http://www.researcherid.com/rid/B-5587-2015>

SAU

Susținerea unei prelegeri în conferință națională sau internațională sau la evenimente științifice organizate de instituție

SAU

Autor al unui caiet/culegeri/îndrumător de laborator sau carte/capitol în domeniul postului.

1. Îndrumător de laborator:

Szabó, G., Bolla, Cs.: *Fizikai kémiai gyakorlatok*. Editura:Egyetemi Műhely Kiadó, Cluj-Napoca, 2007, ISBN 978-973-87783-5-1.

2. Culegere de probleme:

Szabó, G., Bolla, Cs.: *Fizikai kémiai számítások*. Editura:Egyetemi Műhely Kiadó, Cluj-Napoca, 2008, ISBN 978-973-88620-4-3.

3. Capitol publicat într-o monografie:

Kékedy-Nagy, L., Bolla, Cs., **Szabó, G.**, *Egyes erdélyi felszíni vizek nehézfém-tartalmának meghatározása modern elektroanalitikai (stripping analízis) eljárással*, în "Erdély folyónak természeti állapota, Kémiai és ökológiai vízminősítés a rekonstrukció megalapozására" Editura Scientia, Cluj-Napoca, 2003 (publicat în 2004).

Criteriu suplimentar îndeplinit

Cluj-Napoca, 12.12.2023.

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