



**FIȘĂ DE AUTOEVALUARE, în conformitate cu
FIȘA DE EVALUARE GENERALĂ A STANDARDELOR UNIVERSITĂȚII**

Lect. dr. Laura Gabriela SÂRBU

$$0.7 \cdot 254.02 + 0.3 \cdot 35 = 188.31$$

I. ACTIVITATEA DE CERCETARE 70%**TOTAL = 254.02**

1. Articole științifice publicate *in extenso* în reviste cotate *Web of Science* cu factor de impact:

1. Babii, C., Mihalache, G., Bahrin, L. G., Neagu, A. N., Gostin, I., Mihai, C. T., Sarbu, L. G. , Birsă, L. M., Stefan, M., “A novel synthetic flavonoid with potent antibacterial properties: In vitro activity and proposed mode of action”, <i>Plos One</i> , 2018 , <i>13</i> (4), 1-15. doi: 10.1371/journal.pone.0194898	$(60 \cdot 2.766 + 25) / 9 =$	21.21
2. Meziere, C., Allain, M., Oliveras-Gonzalez, C., Cauchy, T., Vanthuyne, N., Sarbu, L. G. , Birsă, L. M., Pop, F., Avarvari, N., “Tetrathiafulvalene-[2.2]paracyclophanes: Synthesis, crystal structures, and chiroptical properties”, <i>Chirality</i> , 2018 , <i>30</i> (5), 568-575. doi: 10.1002/chir.22831	$(60 \cdot 1.833 + 25) / 9 =$	14.99
3. Chirita, P., Duinea, M. I., Sandu, A. M., Birsă, L. M., Sarbu, L. G. , Baibarac, M., Sava, F., Popescu, M., Matei, E., “Inhibitory effect of three phenacyl derivatives on the oxidation of sphalerite (ZnS) in air-equilibrated acidic solution”, <i>Corrosion Science</i> , 2018 , <i>138</i> , 154-162. doi: 10.1016/j.corsci.2018.04.017	$(60 \cdot 4.862 + 25) / 9 =$	35.19
4. Lungu, C. N., Sandu, I., Sarbu, L. G.* , “5-Methyl-4-(5-Bromo-2-hydroxyphenyl)-1,3-Dithiolium Derivatives”, <i>Rev. Chim. (Bucharest)</i> , 2018 , <i>69</i> (12), 3549-3552.	$(60 \cdot 1.412 + 25) / 3 =$	36.57
	TOTAL	107.96

9. Contracte de cercetare științifică în instituții academice (universități, institute ale Academiei Române, institute naționale de cercetare, institute de cercetare din străinătate, alte categorii de institute academice)

Director proiect “ Sinteza unor noi sisteme hibride [2.2]paraciclofan-flavonoide cu potențială activitate antimicrobiană ”, cod proiect PN-III-P1-1.1-PD-2016-0962 . Valoare proiect 2018: 103.000 lei	director: 50 puncte pentru fiecare 500.000 lei	10
	TOTAL	10

12. Citări și recenzii ale lucrărilor științifice

1. Sarbu, L. G. , Lungu, N. C., Forna, N. C., Birsă, M. L., “Synthesis of 4-(2-hydroxyphenyl)-2-dialkylamino-1,3-dithiolium Salts and Corresponding Mesoionic Derivatives”, <i>Rev. Chim. (Bucharest)</i> , 2013 , <i>64</i> (12), 1404-1407.			12.28
C1. Ciurcanu, O., Ciupilan, C., Salceanu, M., Melian, A., Forna, D. A., Scutariu, M. M., Particularities of the dental treatment strategy in geriatric patients, <i>Romanian Journal of oral Rehabilitation</i> , 2018 , <i>10</i> (1), 108-113.	FI		
	0	$5 + 10 \cdot 0 / 4 =$	1.25
C2. Gradinaru, I., Antohe, M. E., Hurjui, L. L., Biomaterials used in oral rehabilitation of the edentulous allergic patients, <i>Romanian Journal of oral Rehabilitation</i> , 2018 , <i>10</i> (1), 114-119.	0	$5 + 10 \cdot 0 / 4 =$	1.25
C3. Stefanescu, O. M., Budacu, C. C., Mihai, C., Asepsy and antisepty in dento-alveolar surgery, <i>Romanian Journal of oral</i>	0	$5 + 10 \cdot 0 / 4 =$	1.25



	<i>Rehabilitation</i> , 2018 , 10 (2), 32-37.			
	C4. Ifteni, G., Aungurencei, O., Apostu, A., Tanculescu, O., Cotea, C., Virvescu, D., Surlari, Z., Comparative analysis of TMJ tomographic images in patients with dysfunctional syndrome of TMJ, <i>Romanian Journal of oral Rehabilitation</i> , 2018 , 10 (2), 76-85.	0	$5 + 10 * 0 / 4 =$ 1.25	
	C5. Florin, R. M., Norin, F., Study regarding the changes of the physiological parameters and adverse events during the sedation procedures for patients candidate to dental implant, <i>Romanian Journal of oral Rehabilitation</i> , 2018 , 10 (2), 129-138.	0	$5 + 10 * 0 / 4 =$ 1.25	
	C6. Kamel, E., Decusara, M., Popa, G. V., Sincar, D. C., Effects on periodontal therapy on clinical parameters in patients with renal disorders, <i>Romanian Journal of oral Rehabilitation</i> , 2018 , 10 (2), 148-152.	0	$5 + 10 * 0 / 4 =$ 1.25	
	C7. Caraiane, A., Szalontay, A., Macovei, L. A., Romila, A., Indrei, L. L. Decusara, M., Tarca, T., Oral-facial manifestation caused by the use of psychotropic medication in psychiatric patients, <i>Rev. Chim. (Bucharest)</i> , 2018 , 69 (6), 1581-1584.	1.412	$5 + 10 * 1.412 / 4 =$ 4.78	
	2. Sarbu, L. G. ; Hopf, H.; Jones, P. G.; Birsa, M. L., “Selenium halide-induced bridge formation in [2.2]paracyclophanes”, <i>Beilstein J. Org. Chem.</i> , 2014 , 10, 2550-2555.			26.52
	C1. Martins, G. M., Back, D. F., Kaufman, T. S., Silveira, C. C., SeCl ₂ -Mediated Approach toward indole-containing polysubstituted Selenophenes, <i>Journal of Organic Chemistry</i> , 2018 , 83 (6), 3252-3264.	FI 4.805	$10 + 20 * 4.805 / 4 =$ 26.52	
	3. Hrib, C. G. ; Chirita, P.; Sandu, I. G.; Asaftei, I. V.; Sarbu, L. G.* ; Earar, K., “The Synthesis and X-Ray Structural Characterization of New 4-(5-Bromo-2-hydroxyphenyl)-1,3-Dithiol-2-ylum Perchlorates”, <i>Rev. Chim. (Bucharest)</i> , 2015 , 66 (7), 983-986.			3.18
	C1. Solomon, S. M., Filioreanu, A. M., Stelea, C. G., Grigoras, S. I., Sufaru, I. G., Maftai, G. A., Martu, S., Scutariu, M. M., Popa, C., The assessment of the association between Herpesviruses and Subgingival Bacterial plaque by real-time PCR analysis, <i>Rev. Chim. (Bucharest)</i> , 2018 , 69 (2), 507-510.	FI 1.412	$5 + 10 * 1.412 / 6 =$ 3.18	
	4. Asaftei, I. V. ; Sandu, I. G.; Lungu, N. C.; Birsa, L. M.; Sarbu, L. G. ; Ignat, M., ” Conversion of Butane-Butylene Mixtures over B(Al)-HZSM-5 Catalyst Prepared by Impregnation and over ZnO/HZSM-5 Co-Catalyst Prepared by Mechanical Mixing, <i>Rev. Chim. (Bucharest)</i> , 2016 , 67 (5), 847-853.			3.18
	C1. Asaftei, I. V., Sandu, I., Lungu, N. C., Spac, A. F., Ignat, M., Transformation of Gaseous Technical Mixture of the Alkanes and Alkenes Into Liquid Fraction Over Ni-HZSM-5 Obtained by Ionic Exchange, <i>Rev. Chim. (Bucharest)</i> , 2018 , 69 (4), 938-943.	1.412	$5 + 10 * 1.412 / 6 =$ 3.18	
	5. Bahrin, L. G. , Hopf, H., Jones, P. G., Sarbu, L. G. , Babii, C., Mihai, A. C., Stefan, M., Birsa, M. L.*, “Antibacterial structure–activity relationship studies of several tricyclic sulfur-containing flavonoids”, <i>Beilstein J. Org. Chem.</i> , 2016 , 12, 1065-1071. doi:10.3762/bjoc.12.100			15
	C1. Ombiro, G. S., Sawai, T., Noutoshi, Y., Nishina, Y., Matsui, H., Yamamoto, M., Toyoda, K., Ichinose, Y., Specific growth inhibitors of <i>Ralstonia solanacearum</i> , <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> , <i>X. campestris</i> pv. <i>campestris</i> , and <i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i> , <i>Microbiological research</i> , 2018 , 215, 29-35.	2.777	$10 + 20 * 2.777 / 8 =$ 8.19	



	C2. Sardarian, A. R., Inaloo, I. D., Modarresi-Alam, A. R., Highly efficient synthesis of alkyl and aryl primary thiocarbamates and dithiocarbamates under metal- and solvent-free conditions, <i>Molecular Diversity</i> , 2018 , 22 (4), 863-878.	2.229	$10 + 20 * 2.229 / 8 = 6.82$	
	6. Toader, E., Bahrin, L. G., Jones, P. G., Hopf, H., Sarbu, L. G. , Stoleriu, G., “Synthesis of New Morpholine Containing Flavonoids with Potential Biological Applications”, <i>Rev. Chim. (Bucharest)</i> , 2016 , 67 (8), 1520-1522.			9.54
	C1. Vasincu, D., Iancu, R. I., Chelaru, L., Stoleriu, G., Costuleanu, M., Biochemical Effects of Some Endoplasmic Reticulum Stress Inducers on Mesenchymal Stem Cells in vitro, <i>Rev. Chim. (Bucharest)</i> , 2018 , 69 (6), 1570-1573.	1.412	$5 + 10 * 1.412 / 6 = 3.18$	
	C2. Vasincu, D., Iancu, R. I., Cazan, I., Stoleriu, G., Costuleanu, M., Biochemical Effects of Retinoid Derivatives on Mesenchymal Stem Cells In Vitro, <i>Rev. Chim. (Bucharest)</i> , 2018 , 69 (7), 1817-1820.	1.412	$5 + 10 * 1.412 / 6 = 3.18$	
	C3. Necula, R., Gille, E., Dirtu, A. C., Sandu, I., Gradinaru, V. R., Petcu, A., Drochioiu, G., Heavy Metal-induced Cuticular Alkane Changes of Tall Fescue (<i>Festuca arundinacea</i>) Plantlets, <i>Rev. Chim. (Bucharest)</i> , 2018 , 69 (7), 1682-1686.	1.412	$5 + 10 * 1.412 / 6 = 3.18$	
	7. Asaftei, I. V., Lungu, N. C., Birsă, M. L., Sarbu, L. G. , Ignat, M., Sandu, I. G., “Conversion of Light Hydrocarbons From Petroleum Refining Processes Over Zn-HZSM-5 (Nitrate) and Zn-HZSM-5 (Acetate) Catalyst A comparative study”, <i>Rev. Chim. (Bucharest)</i> , 2016 , 67 (8), 1523-1528.			3.18
	C1. Asaftei, I. V., Sandu, I., Lungu, N. C., Spac, A. F., Ignat, M., Transformation of Gaseous Technical Mixture of the Alkanes and Alkenes Into Liquid Fraction Over Ni-HZSM-5 Obtained by Ionic Exchange, <i>Rev. Chim. (Bucharest)</i> , 2018 , 69 (4), 938-943.	1.412	$5 + 10 * 1.412 / 6 = 3.18$	
	8. Asaftei, I. V., Lungu, N. C., Birsă, L. M., Sandu, I. G., Sarbu, L. G. , Ignat, M., “Performance of Ag-HZSM-5 Zeolite Catalysts in n-heptane Conversion”, <i>Rev. Chim. (Bucharest)</i> , 2017 68 (1), 116-120.			3.18
	C1. Asaftei, I. V., Sandu, I., Lungu, N. C., Spac, A. F., Ignat, M., Transformation of Gaseous Technical Mixture of the Alkanes and Alkenes Into Liquid Fraction Over Ni-HZSM-5 Obtained by Ionic Exchange, <i>Rev. Chim. (Bucharest)</i> , 2018 , 69 (4), 938-943.	1.412	$5 + 10 * 1.412 / 6 = 3.18$	
			TOTAL	76.06

14. Profesor/cercetător invitat la universități/institute de cercetare

Stagiu de predare la <i>Institut für Organische Chemie – TU Braunschweig</i> , Germania în cadrul Programului Erasmus+ 2017-2019		25
Stagiu de cercetare la <i>Institut für Organische Chemie – TU Braunschweig</i> , Germania în cadrul proiectului PN-III-P1-1.1-PD-2016-0962		25
	TOTAL	50

19. Participări la manifestări științifice

Poster–Hybrid Systems Tetrathiafulvalenes - [2.2]Paracyclophanes 4th European Organic Chemistry Congress March 01 - 03, 2018 London	
TOTAL	10

**II. ACTIVITATEA DIDACTICĂ 30% TOTAL = 35****3. Materiale suport curs, seminar, lucrări practice și programe analitice detaliate**

Disciplina	Materiale suport curs	Fisa disciplinei	Lucrări practice/Seminar	
An I, Chimie Generală-Chimie Organică	-	-	√	5
An III, Compuși Organici Bioactivi	√	√	√	30
			Total:	35

Data,

12.12.2019

Semnătura,