Aviz IOSUD,
Prof.dr. Nadim Al Hajjar
Director CSUD

Fişa de verificare a îndeplinirii standardelor minimale
(valabilă pentru obţinerea atestatului de abilitare în Domeniul Medicină sau Domeniul Farmacie)

(în conformitate cu O.M. 6129/20.12.2016)

Candidat_MIREL SIMONA MARIA

Nr. Crt.	Activi-tatea	Tipul activităţilor	Standarde minimale abilitare	Note asupra metodei de calcul	Gradul de îndeplinire
0	1	2	3	4	5
1.	Cercetare	**a. Articole *in extenso* in reviste cotate ISI Thomson Reuters (*articole în reviste cu factor de impact*) în calitate de autor principal**	minim 10 articole	În analiză vor fi incluse articole *in extenso* originale şi reviews. Autorul sau autorii principali ai unei publicaţii se consideră a fi oricare dintre următorii: a. Primul autor b. Autorul corespondent c. Alţi autori, a căror contribuţie este indicată explicit în cadrul publicaţiei a fi egală cu contribuţia primului autor sau a autorului corespondent d. Ultimul autor	**11 articole ISI în calitate de autor principal** **Criteriul 1.a îndeplinit** 2 articole - prim autor 2 articole - autor corespondent 3 articole - autor contribuţie egală 4 articole - ultim autor 1. Pusta A, Tertis M, Cristea C, **Mirel S.** Wearable Sensors for the Detection of Biomarkers for Wound Infection, Biosensors 2022, 12(1), 1. https://doi.org/10.3390/bios12010001 https://www.webofscience.com/wos/woscc/full-record/WOS:000747548300001 **IF 5.519 (Q1)** *ultim autor* 2. Gâvan A, Colobăţiu L, Hanganu D, Bogdan C, Olah NK, AchimM, **Mirel S.** Development and evaluation of hydrogel wound dressings loaded with herbal extracts, Processes, 2022, 10, 242. https://doi.org/10.3390/pr10020242 **IF 2.847 (Q2)** *ultim autor* 3. **Mirel S**, Pusta A, Moldovan M, Moldovan S. Antimicrobial Meshes for Hernia Repair: Current Progress and Perspectives. *J. Clin. Med.* **2022**, 11, 883. https://doi.org/10.3390/jcm11030883 **IF 4.242 (Q1)** *prim autor* 4. Tertis M, Cernat A, **Mirel S***, Cristea C. Nanodevices for Pharmaceutical and Biomedical Applications, Anal Lett, 2021, 54 (1-2): 98-123. https://doi.org/10.1080/00032719.2020.1728292; https://www.webofscience.com/wos/woscc/full-record/WOS:000514871700001 **IF 2.329 (Q3)** *autor corespondent*

					5. Hanganu D, Benedec D, Olah NK, Ranga F, **Mirel S#**, Tiperciuc B, Oniga I. Research on enzyme inhibition potential and phenolic compounds from Origanum vulgare ssp.vulgare, Farmacia, 2020, 68(6): 1075-1080. DOI : 10.31925/farmacia.2020.6.15; https://www.webofscience.com/wos/woscc/full-record/WOS:000600718700016 **IF 1.433 (Q4)** *# autor drepturi egale* 6. Colobățiu L, Gâvan A, Mocan A, Bogdan C, **Mirel S#**, Tomuța I. Development of bioactive compounds-loaded chitosan films by using a QbD approach – A novel and potential wound dressing material. React Funct Polym. 2019, 138:46–54. DOI:10.1016/j.reactfunctpolym.2019.02.013 https://www.webofscience.com/wos/woscc/full-record/WOS:000466254000006 **IF 3.333 (Q1)** *# autor drepturi egale* 7. Colobățiu L, Gâvan A, Potarniche AV, Rus V, Diaconeasa Z, Mocan A, Tomuta I, **Mirel S#**, Mihaiu M. Evaluation of bioactive compounds-loaded chitosan films as a novel and potential diabetic wound dressing material. React Funct Polym. 2019; 145:104369. DOI: 10.1016/j.reactfunctpolym.2019.104369 https://www.webofscience.com/wos/woscc/full-record/WOS:000501660200012 **IF 3.333 (Q1)** *# autor drepturi egale* 8. Varodi C, Pogacean F, Coros M, Rosu MC, Staden R V, Gal E, Tudoran LB, Pruneanu S, **Mirel S.** Detection of 8-hydroxy-2′-deoxyguanosine biomarker with a screen-printed electrode modified with graphene. Sensors 2019, 19(19).4297. DOI: 10.3390/s19194297; https://www.webofscience.com/wos/woscc/full-record/WOS:000494823200241 **IF 3.275 (Q1)** *ultim autor* 9. Hosu O, **Mirel S***, Săndulescu R, Cristea C. Minireview: Smart tattoo, Microneedle, Point-Of-care, and Phone-Based Biosensors for Medical Screening, Diagnosis, and Monitoring. Anal Lett. 2019, 52, 78–92; Doi: 10.1080/00032719.2017.1391826 https://www.webofscience.com/wos/woscc/full-record/WOS:000459693000007 **IF 1.467 (Q4)** *autor corespondent* 10. **Mirel S,** Voica C, Colobățiu L, Mirel V, Matinca D, Flonta M, Lupșe M. In vitro Comparison of the Antimicrobial Efficiency of Commercially Available Silver-Wound Dressings Correlated with the Evaluation of Silver Release by Inductively Coupled Plasma–Mass Spectrometry, Anal Lett, 2019, 52(1):163–76.

					Doi: 10.1080/00032719.2017.1421960. https://www.webofscience.com/wos/woscc/full-record/WOS:000459693000014 **IF 1.467 (Q4)** *autor principal* 11. Boboia AM, Oros GC, Polinicencu C, **Mirel S.** Researches concerning the profitability of the community pharmacy within the context of world economic and financial crisis. Farmacia. 2014; 62 (5): 1025-1036 https://www.webofscience.com/wos/woscc/full-record/WOS:000343631500019 **IF 1.005 (Q4)** *ultim autor*
		b. (ISI) Factor cumulat de Impact autor principal (FCIAP)	minim 10	O revistă cotată ISI este o revistă pentru care Thomson Reuters calculează şi publică factorul de impact în „Journal Citation Reports". Factorul cumulat de Impact va fi calculat pentru articolele la care candidatul este autor principal (FCIAP=suma factorilor de impact ai articolelor publicate de autor în calitate de autor principal în reviste cotate ISI)	**Criteriul 1.b îndeplinit** **FCIAP = 30.25** **5.519** (1) + **2.847** (2) + **4.242** (3) + **2.329** (4) + **1.433** (5) + **3.333** (6) + **3.333** (7) + **3.275** (8) + **1.467** (9) + **1.467** (10) +**1.005** (11)
		c. Articole *in extenso* in reviste cotate ISI Thomson Reuters în calitate de coautor	minim 5 articole		**6 articole ISI în calitate de coautor** **Criteriul 1.c îndeplinit** 1. Fizeşan I, Rusu ME, Georgiu C, Pop A, Ştefan M-G, Muntean D-M, **Mirel S**, Vostinaru O, Kiss B, Popa D-S. Antitussive, Antioxidant, and Anti-Inflammatory Effects of a Walnut (Juglans regia L.) Septum Extract Rich in Bioactive Compounds. Antioxidants. 2021; 10(1):119. **[IF 5.014]**. https://doi.org/10.3390/antiox10010119 https://www.webofscience.com/wos/woscc/full-record/WOS:000609745200001 2. Colobăţiu L, Tabaran A, Flonta F, Oniga O, **Mirel S,** Mihaiu M, First description of plasmid-mediated quinolone resistance determinants and β-lactamase encoding genes in non-typhoidal Salmonella isolated from humans, one companion animal and food in Romania, Gut Pathogens, 2015, 7:16. **[IF 2,28]**. DOI: 10.1186/s13099-015-0063-3 https://www.webofscience.com/wos/woscc/full-record/WOS:000356920600001 3. Colobăţiu L, Oniga O, Tabaran A, Mihaiu R, **Mirel S,** Daniel SD, Mihaiu M. An Analysis of Escherichia coli Isolations for Antimicrobial

					Resistance Genes. J Food Safety, 2014; 34(3): 233-238. **[IF 0,863]**. DOI: 10.1111/jfs.12118. https://www.webofscience.com/wos/woscc/full-record/WOS:000340418800007 4. Pop SL, Mărginean C, **Mirel S**, Daniel Mureşan, Daniela Pop Vornicescu, Rareş Gherman, Emil Onacă. Comparative study regarding celiprolol and metoprolol use in the treatment of essential arterial hypertension, Farmacia, 2014; 62 (4): 674- 682 **[IF 1,005]**. https://www.webofscience.com/wos/woscc/full-record/WOS:000339931700006 5. Săndulescu R., **Mirel S.,** Oprean R. The development of spectrophotometric and electroanalytical methods for ascorbic acid and acetaminophen and their applications in the analysis of effervesent dosage forms, J. Pharm. Biomed. Anal.. 2000; 23: 77-87 **[IF 1.204]**. DOI10.1016/S0731-7085(00)00277-6 https://www.webofscience.com/wos/woscc/full-record/WOS:000087877400010 6. Săndulescu R, **Mirel S,** Oprean R, Lotrean S. Comparative electrochemical study of somne phenothiazines with carbon paste, solid carbon paste and glass-like carbon electrodes, Collect. Czech. Chem. Commun. 2000; 65: 1014-1028 **[IF 0.96]**. DOI 10.1135/cccc20001014 https://www.webofscience.com/wos/woscc/full-record/WOS:000088624500014
		d. Index Hirsch	minim 6	Va fi luat în considerare Indexul Hirsch calculat utilizând ISI Web of Science, Core Collection, Thomson Reuters	**Criteriul 1.d îndeplinit** **Index Hirsch = 9**

Index Hirsch _ Web of Science

Cluj – Napoca,

15.02.2022

Semnătura