

UNIVERSITATEA POLITEHNICA TIMIȘOARA

DEPARTAMENTUL CALCULATOARE ȘI TEHNOLOGIA INFORMATIEI

RAMURA DE STIINTĂ: CALCULATOARE, TEHNOLOGIA INFORMAȚIEI ȘI INGINERIA SISTEMELOR

Candidat: Conf. dr. ing. Alexandru TOPIRCEANU

Centralizator Standarde minime necesare si obligatorii

1. Structura activității candidatului								Activitate candidat		
Nr. crt.	Domeniul activităților	Categorii și restricții		Subcategorii	Indicatori (kpi)	Criterii minime necesare (abilitare)	Nr. realizat	Punctaj		
0	1	2	3	4	5	6	7	8		
1	Activitatea didactică și profesională (A1)	Carti și capitole în carti de specialitate în edituri recunoscute	Carti/ monografii/ capitole ca autor	A1.1.1 internationale	50 (100) /nr. de autori	1 carte	#NAME?	35.42		
				A1.1.2 nationale	50/nr. de autori		#NAME?	100		
	Material didactic / Lucrari didactice	Manuale didactice	A1.2.1		40/nr. de autori		#NAME?	20		
						S kpi ≥ 100	TOTAL	155.42		
2	Activitatea de cercetare (A2)	Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI proceedings	A2.1		(25+30 * factor impact) / nr.de aut	15 articole (3Q1/2)	33	826.27		
		Factor de impact cumulat pentru publicații				10	45.17			
		Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale (BDI)	A2.2		20 / nr.de autori		7	54.01		
		Proprietate intelectuală, brevete de inventie, certificate ORDA	A2.3.1	internationale	35 / nr.de autori		0	0		
				nationale	25 / nr.de autori		1	3.125		
	Granturi / proiecte castigate prin competitie	Director/ responsabil	A2.4.1.1	internationale	20 * ani de desfasurare	2 granturi/ proiecte	0	0		
			A2.4.1.2	nationale	10 * ani de desfasurare		#NAME?	40		
		Membru în echipă	A2.4.2.1	internationale	4 * ani de desfasurare		#NAME?	24		
			A2.4.2.2	nationale	2 * ani de desfasurare		#NAME?	20		
						S kpi ≥ 600		967.405		
3	Reunoașterea și impactul activității (A3)	Citări în carti, reviste și volume ale unor manifestări științifice	A3.1.1	carti, ISI	8 / nr aut art.citat	25 citări	79	361.51		
				A3.1.2 BDI	4 / nr aut art.citat		111	244.98		
		Membri în comitetele de redacție sau comitele științifice ale revistelor indexate ISI, chair, co-chair sau membri în comitetele de organizare ale manifestărilor științifice internaționale indexate ISI	Punctaj unic pentru fiecare activitate	A3.2 ISI	10		2	20		
			A3.3	BDI	6		1	6		
		Premii în domeniu		A3.4	Premii în domeniu conferite de Academia Română, ASTR, AOSR, sau	15		1	15	
	Indicatorul de merit (A = A1+A2+A3)					S kpi ≥ 150		647.49		
						Sk1i +Sk2i +Sk3i	850		1770	

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**3. Condiții minimale (A1)**

Nr. crt.	Domeniul de activitate	Profesor/abilitare	Punctaj realizat
A1	Activitatea didactică/profesională (A1)	100	155.42
A2	Activitatea de cercetare (A2)	600	967.405
A3	Recunoașterea impactului activității (A3)	150	647.49
TOTAL (A)		850	1770.3

**Condiții minimale pe subcategorii**

	Condiții minimale pe subcategorii	Profesor/abilitare	Punctaj realizat
A 1.1.1 - A 1.1.2	Cărți de specialitate	1 carte	3 cărți
A 2.1	Articole în reviste cotate ISI și lucrări în volumele unor manifestări științifice indexate ISI proceedings	15, din care minimum 3 în reviste cotate Q1 sau Q2	33, din care 12 în reviste cotate Q1 sau Q2
A 2.4.1	Granturi/proiecte de cercetare câștigate prin competiție (director/responsabil partener)	2	2
A 3.1.1	Număr de citări în cărți, reviste cotate ISI și volume ale unor manifestări științifice ISI (WoS)	25	79
	Factor de impact ISI cumulat pentru publicații	10	45.17

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**Candidat: Conf. dr. ing. Alexandru TOPÎRCEANU****A1.1.1 - Carti si capitole in carti de specialitate in edituri recunoscute - internationale**

Nr. crt.	Lucrarea publicata	Nr. autori	WorldCat	Indicator realizat
1	Topirceanu, A., Udrescu, M., Vladutiu, M., "Genetically Optimized Social Network Topology Inspired by Facebook", Online Social Media Analysis and Visualization (pp. 163-179). Springer International Publishing, ISBN 978-3-319-13590-8, DOI:10.1007/978-3-319-13590-8_8, 2014	3	264	8.33
2	Topirceanu, A., Udrescu, M., Avram, R., & Mihaicuta, S. (2016). Data Analysis for Patients with Sleep Apnea Syndrome: A Complex Network Approach. In Soft Computing Applications (pp. 231-239), ISBN 978-3-319-18296-4, Springer International Publishing.	4	243	6.25
3	Topirceanu, A., Iovanovici, A., Cosariu, C., Udrescu, M., Prodan, L., & Vladutiu, M. (2016). Social Cities: Redistribution of Traffic Flow in Cities Using a Social Network Approach. In Soft Computing Applications (pp. 39-49), ISBN 978-3-319-18296-4, Springer International Publishing.	6	243	4.17
4	Iovanovici, A., Topirceanu, A., Cosariu, C., Udrescu, M., Prodan, L., & Vladutiu, M. (2016). Heuristic Optimization of Wireless Sensor Networks Using Social Network Analysis. In Soft Computing Applications (pp. 663-671), ISBN 978-3-319-18296-4, Springer International Publishing.	6	243	4.17
5	Topirceanu A., Udrescu M. (2018) Strength of Nations: A Case Study on Estimating the Influence of Leading Countries Using Social Media Analysis. In: Alhajj R., Hoppe H., Hecking T., Bródka P., Kazienko P. (eds) Network Intelligence Meets User Centered Social Media Networks. ENIC 2017. Lecture Notes in Social Networks. ISBN 978-3-319-90312-5, Springer, Cham	2	96	12.5
<b>TOTAL</b>				<b>35.42</b>

**A1.1.2 - Carti si capitole in carti de specialitate in edituri recunoscute - nationale**

Nr. crt.	Lucrarea publicata	Nr. autori		Indicator realizat
1	A. Topirceanu, "Structural and Behavioral Analysis and Modeling of the Society", Colectia "Teze de doctorat ale UPT", seria 14: "Calculatoare si Tehnologia Informatiei", nr. 30, 252 pg., Editura Politehnica, Timisoara, 2016, ISBN 978-606-35-0049-7	1		50
2	A. Topirceanu, "Hands-on Android application development with Google Firebase", Colectia "Calculatoare", 155 pg., Editura Politehnica, Timisoara, 2021, ISBN 978-606-35-0408-2	1		50
<b>TOTAL</b>				<b>100</b>

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**A1.2.1 - Material didactic / Lucrari didactice**

Nr. crt.	Lucrarea publicata	Nr. autori	Indicator realizat
1	A. Topirceanu, M. Marcu, "Introducere in programarea Android", Colectia "Programare", 137 pg., Editura Politehnica, Timisoara, 2015, ISBN 978-606-554-986-9	2	20
<b>TOTAL</b>			<b>20</b>

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**Candidat Conf. dr. ing. Alexandru TOPÎRCEANU****A2.1 - Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings**

Nr. crt.	Lucrarea publicata	Nr. autori	Factor impact	Indicator realizat
1	Barina, G., Topirceanu, A., & Udrescu, M. (2014, May). MuSeNet: Natural patterns in the music artists industry. In Applied Computational Intelligence and Informatics (SACI), 2014 IEEE 9th International Symposium on (pp. 317-322). IEEE.	3	0.25	10.83
2	Topirceanu, A., Udrescu, M., & Vladutiu, M. (2013, September). Network fidelity: A metric to quantify the similarity and realism of complex networks. In Cloud and Green Computing (CGC), 2013 Third International Conference on (pp. 289-296). IEEE.	3	0.25	10.83
3	Topirceanu, A., Barina, G., & Udrescu, M. (2014, September). Musenet: Collaboration in the music artists industry. In Network Intelligence Conference (ENIC), 2014 European (pp. 89-94). IEEE.	3	0.25	10.83
4	Duma, A., & Topirceanu, A. (2014, May). A network motif based approach for classifying online social networks. In Applied Computational Intelligence and Informatics (SACI), 2014 IEEE 9th International Symposium on (pp. 311-315). IEEE.	2	0.25	16.25
5	Alexandru Topirceanu, Cezar Fleșeriu, Mihai Udrescu, "Gamified: An Effective and Innovative Approach to Student Motivation Using Gamification". The 2nd International Conference on Social Media in Academia: Research and Teaching (SMART 2014), pp. 41-44.	3	0.25	10.83
6	Alexandru Topirceanu, Dragoș Iuseice, Mihai Udrescu. "The Fingerprint of Educational Platforms in Social Media: A Topological Study Using Online Ego-Networks". The 2nd International Conference on Social Media in Academia: Research and Teaching (SMART 2014), pp. 355-360.	3	0.25	10.83
7	Topirceanu, A., & Udrescu, M. (2015, September). FMNet: Physical Trait Patterns in the Fashion World. In Network Intelligence Conference (ENIC), 2015 Second European (pp. 25-32). IEEE.	2	0.25	16.25
8	Iovanovici, A., Topirceanu, A., Udrescu, M., Prodan, L., & Mihaicuta, S. (2015). A high-availability architecture for continuous monitoring of sleep disorders. In MIE (pp. 729-733).	5	0.25	6.5
9	Topirceanu, A., Duma, A., & Udrescu, M. (2016). Uncovering the fingerprint of online social networks using a network motif based approach. Computer Communications, 73, 167-175.	3	<b>3.338</b>	41.71
10	Topirceanu, A., Udrescu, M., Vladutiu, M., & Marculescu, R. (2016). Tolerance-based interaction: a new model targeting opinion formation and diffusion in social networks. PeerJ Computer Science, 2, e42.	4	<b>3.091</b>	29.43
11	Suciuc, L., Cristescu, C., Topirceanu, A., Udrescu, L., Udrescu, M., Buda, V., & Tomescu, M. C. (2016). Evaluation of patients diagnosed with essential arterial hypertension through network analysis. Irish Journal of Medical Science(1971-), 185(2), 443-451.	7	<b>1.224</b>	8.82
12	Topirceanu, A., & Udrescu, M. (2015, May). Measuring realism of social network models using network motifs. In Applied Computational Intelligence and Informatics (SACI), 2015 IEEE 10th Jubilee International Symposium on(pp. 443-447). IEEE.	2	0.25	16.25
13	Udrescu, M., & Topirceanu, A. (2015, May). What Drives the Emergence of Social Networks?. In 2015 20th International Conference on Control Systems and Computer Science (pp. 999-999). IEEE.	2	0.25	16.25
14	Udrescu, L., Sbarcea, L., Topirceanu, A., Iovanovici, A., Kurunczi, L., Bogdan, P., & Udrescu, M. (2016). Clustering drug-drug interaction networks with energy model layouts: community analysis and drug repurposing. Scientific Reports, 6.	7	<b>4.259</b>	21.82
15	Topirceanu, A., & Udrescu, M. (2017). Statistical fidelity: a tool to quantify the similarity between multi-variable entities with application in complex networks. International Journal of Computer Mathematics, 94(9), 1787-1805.	2	<b>1.054</b>	28.31
16	Mihaicuta, S., Udrescu, M., Topirceanu, A., Udrescu, L. (2016). Network science meets respiratory medicine for OSAS phenotyping and severity prediction. PeerJ, 5:e3289	4	<b>2.183</b>	22.62
17	Topirceanu, A., Garcia, J., & Udrescu, M. (2016, September). UPT. Social: The Growth of a New Online Social Network. In Network Intelligence Conference (ENIC), 2016 Third European (pp. 9-16). IEEE.	3	0.25	10.83
18	Udrescu, M., & Topirceanu, A. (2016, September). Probabilistic Modeling of Tolerance-Based Social Network Interaction. In Network Intelligence Conference (ENIC), 2016 Third European (pp. 48-54). IEEE.	2	0.25	16.25
19	Topirceanu, A. (2017). Breaking up friendships in exams: A case study for minimizing student cheating in higher education using social network analysis. Computers & Education, 115, 171-187.	1	<b>4.538</b>	161.14
20	Topirceanu, A. (2017). Gamified learning: A role-playing approach to increase student in-class motivation. Procedia Computer Science, 112, 41-50.	1	0.25	32.5

21	Topirceanu, A., & Grosescu, G. (2017). Decision tree learning used for the classification of student archetypes in online courses. <i>Procedia Computer Science</i> , 112, 51-60.	2	0.25	16.25	
22	Topirceanu, A., Udrescu, M., & Marculescu, R. (2018). Weighted Betweenness Preferential Attachment: A New Mechanism Explaining Social Network Formation and Evolution. <i>Scientific reports</i> , 8(1), 10871.	3	<b>4.122</b>	49.55	Q1
23	Topirceanu, A. (2018). Competition-Based Benchmarking of Influence Ranking Methods in Social Networks. <i>Complexity</i> , 2018.	1	<b>2.591</b>	102.73	Q1
24	Topirceanu, A., Udrescu, M., Udrescu, L., Ardelean, C., Dan, R., Reisz, D., & Mihaicuta, S. (2018). SAS score: Targeting high-specificity for efficient population-wide monitoring of obstructive sleep apnea. <i>PloS one</i> , 13(9), e0202042.	7	<b>2.766</b>	15.43	Q1
25	Hierascu, S. I., Parvu, M., Topirceanu, A., & Udrescu, M. (2018). Exploring Party Switching in the Post-1989 Romanian Politicians Networks from a Complex Network Perspective. <i>Romanian Journal of Political Science</i> , 18(1), 108-136.	4	<b>0.421</b>	9.41	Q4
26	Barina, G., Udrescu, M., Topirceanu, A., & Vladutiu, M. (2018, August). Simulating Payoff Distribution in Networks of Economic Agents. In 2018 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM) (pp. 467-470). IEEE.	4	0.25	8.13	
27	Topirceanu, A., & Udrescu, M. (2018, August). Topological Fragility Versus Antifragility: Understanding the Impact of Real-Time Repairs in Networks Under Targeted Attacks. In 2018 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM) (pp. 1215-1222). IEEE.	2	0.25	16.25	
28	Barina, G., Udrescu, M., Barina, A., Topirceanu, A., & Vladutiu, M. (2019). Agent-based simulations of payoff distribution in economic networks. <i>Social Network Analysis and Mining</i> , 9(1), 63.	5	<b>0.25</b>	6.5	no-IF
29	Topirceanu, A., & Precup, R. E. (2019, August). A novel methodology for improving election poll prediction using time-aware polling. In Proceedings of the 2019 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (pp. 282-285).	2	0.25	16.25	
30	Topirceanu, A., & Precup, R. E. (2020). A framework for improving electoral forecasting based on time-aware polling. <i>Social Netw. Analys. Mining</i> , 10(1), 39.	2	<b>0.25</b>	16.25	no-IF
31	Udrescu, L., Bogdan, P., Chis, A., Sirbu, I. O., Topirceanu, A., Varut, R. M., & Udrescu, M. (2020). Uncovering new drug properties in target-based drug-drug similarity networks. <i>Pharmaceutics</i> , 12(9), 879.	7	<b>4.421</b>	22.52	Q1
32	Topirceanu, A., Udrescu, L., Udrescu, M., & Mihaicuta, S. (2020). Gender Phenotyping of Patients with Obstructive Sleep Apnea Syndrome Using a Network Science Approach. <i>Journal of Clinical Medicine</i> , 9(12), 4025.	4	<b>3.303</b>	31.02	Q1
33	Mihaicuta, S., Udrescu, L., Udrescu, M., Toth, I. A., Topirceanu, A., Pleavă, R., & Ardelean, C. (2021). Analyzing Neck Circumference as an Indicator of CPAP Treatment Response in Obstructive Sleep Apnea with Network Medicine. <i>Diagnostics</i> , 11(1), 86.	7	<b>3.11</b>	16.9	Q1
<b>TOTAL</b>		<b>16.68</b>	<b>45.17</b>	<b>826.27</b>	

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Nr. crt.	Lucrarea publicata	Baza de date	Nr. autori	Indicator realizat
1	Marcu, M., Stangaciu, C., Topirceanu, A., Voicinschi, D., & Stangaciu, V. (2010, December). Wireless Sensors Solution for Energy Monitoring, Analyzing, Controlling and Predicting. In International Conference on Sensor Systems and Software (pp. 1-19). Springer Berlin Heidelberg.	Springer Link	5	4
2	Iovanovici, A., Topirceanu, A., Udrescu, M., & Vladutiu, M. (2014, October). Design space exploration for optimizing wireless sensor networks using social network analysis. In System Theory, Control and Computing (ICSTCC), 2014 18th International Conference (pp. 815-820). IEEE.	IEEE Xplore	4	5
3	Topirceanu, A., Iovanovici, A., Udrescu, M., & Vladutiu, M. (2014, October). Social cities: Quality assessment of road infrastructures using a network motif approach. In System Theory, Control and Computing (ICSTCC), 2014 18th International Conference (pp. 803-808). IEEE.	IEEE Xplore	4	5
4	Topirceanu, M., Topirceanu, A., & Udrescu, M. (2019, May). Exploring currency exchange dynamics from a complex network perspective. In 2019 IEEE 13th International Symposium on Applied Computational Intelligence and Informatics (SACI) (pp. 63-68). IEEE.	IEEE Xplore	3	6.67
5	Topirceanu, A., Udrescu, M., & Marculescu, R. (2020, January). Complex Networks Antifragility under Sustained Edge Attack-Repair Mechanisms. In International Conference on Network Science (pp. 185-199). Springer, Cham.	Springer Link	3	6.67
6	Muntea, D., Giurgiu, M., & Topirceanu, A. (2020, May). Network-based clustering of book genres based on the connection between books bought together. In 2020 IEEE 14th International Symposium on Applied Computational Intelligence and Informatics (SACI) (pp. 000041-000046). IEEE.	IEEE Xplore	3	6.67
7	Topirceanu, A. (2020, December). Analyzing the Impact of Geo-Spatial Organization of Real-World Communities on Epidemic Spreading Dynamics. In International Conference on Complex Networks and Their Applications (pp. 345-356). Springer, Cham.	Springer Link	1	20
<b>TOTAL</b>				<b>54.01</b>

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**A2.3.1 - Proprietate intelectuala, brevete de inventie, certificate ORDA - Internationale**

Nr. crt.	Lucrarea certificata	Nr. autori	Indicator realizat
1			
2			
3			
<b>TOTAL</b>			<b>0</b>

**A2.3.2 - Proprietate intelectuala, brevete de inventie, certificate ORDA - Nationale**

Nr. crt.	Lucrarea certificata	Nr. autori	Indicator realizat
1	Marcu M G, Stancovici A, Stangaciu V, Stangaciu C, Topirceanu A, Popescu B, Volcinschi D, Fuicu S O, "System For Measuring And Analyzing The Energy Consumption In Electric Devices By Using Consumption Signatures", RO127698-A0, 2011	8	3.125
2			
3			
<b>TOTAL</b>			<b>3.125</b>

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**A2.4.1.1 - Granturi / proiecte castigate prin competitie - Internationale - ca Director / responsabil**

Nr. crt.	Grantul / proiectul	Nr. ani desfasurare	Indicator realizat
1			
2			
3			
<b>TOTAL</b>			<b>0</b>

**A2.4.1.2 - Granturi / proiecte castigate prin competitie - Nationale - ca Director / responsabil**

Nr. crt.	Grantul / proiectul	Nr. ani desfasurare	Indicator realizat
1	Improving the prediction of opinion dynamics in temporal social networks: mathematical modeling and simulation framework, PN-III-P1-1.1-PD-2016-0193, 28PD/2018 (2018 - 2019) - 178.215 lei (37.695 euro)	2	20
2	Agent-based interaction models with temporal attenuation for opinion poll prediction, PN-III-P1-1.1-PD-2019-0379, PD7/2020 (2020-2022) - 246.410 lei (50.711 euro)	2	20
3			
<b>TOTAL</b>			<b>40</b>

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**A2.4.2.1 - Granturi / proiecte castigate prin competitie - Internationale - ca Membru in echipa**

Nr. crt.	Grantul / proiectul	Nr. ani desfasurare	Indicator realizat
1	Universitatea de Medicina si Farmacie Victor Babes Timisoara, Dan Mihalcuta (director), "Morpheus: A Screening and Monitoring System for Sleep Apnea Syndrome", Linde Realfund (2015-2016) - 75K euro	2	8
2	Universitatea de Medicina si Farmacie Victor Babes Timisoara, Dan Mihalcuta (director), "Sleep Revolution: Revolution of sleep diagnostics and personalized health care based on digital diagnostics and therapeutics with health data integration", 965417 / Horizon 2020 (2021-2025) - 15M euro (EU), 131K euro (local)	4	16
<b>TOTAL</b>			<b>24</b>

**A2.4.2.2 - Granturi / proiecte castigate prin competitie - Nationale - ca Membru in echipa**

Nr. crt.	Grantul / proiectul	Nr. ani desfasurare	Indicator realizat
1	Universitatea de Vest Timisoara, Gabriela Grosseck (director), "Novamoc: Innovative development and implementation of moocs in higher education", PN-II-RU-TE-2014-4-2040 (2015 - 2017) - 120K euro	2	4
2	Universitatea Politehnica Timisoara, Mihai Udrescu (director), "Inception: Internet of things meets complex networks or early prediction and management of chronic obstructive pulmonary disease", PN-III-P2-2.1-PED-2016-1145 (2017 - 2018) - 120K euro	2	4
3	Universitatea Politehnica Timisoara, Lucian Prodan (director), "Wikitraffic: Experimental Assessment of a Self-Adaptive Intelligent Transportation System", PN-III-P2-2.1-PED-2016-1518 (2017 - 2018) - 100K euro	2	4
4	Universitatea Politehnica Timisoara, Alexandru Iovanovici (director), "Dormamu: Prediction and management of road congestion using machine learning", ARUT 1349/01.02.2019 (2019 - 2020) - 10K euro	2	4
5	Universitatea de Medicina si Farmacie Victor Babes Timisoara, Lucreta Udrescu (director), "Hyperion: Stiinta complexitatii in farmacia de precizie: predictia interacțiunilor medicamentoase relevante folosind analiza rețelelor complexe", PN-III-P2-2.1-PED2019-2842 (2020-2022) - 120K euro	2	4
<b>TOTAL</b>			<b>20</b>

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**Candidat Conf. dr. ing. Alexandru TOPÎRCEANU****A3.1.1 - Citari in carti, reviste si volume ale unor manifestari stiintifice indexate ISI**

Nr. crt.	Sursa citare	Q1/Q2 ?	Lucrarea citata	Nr. autori lucrare citata	Indicator realizat
1	Conte, F; Fiscon, G; Licursi, V; Bizzarri, D; D'Anto, T; Farina, L; Paci, P (2020). A paradigm shift in medicine: A comprehensive review of network-based approaches. <i>BIOCHIMICA ET BIOPHYSICA ACTA-GENE REGULATORY MECHANISMS</i> , 1863, 10.1016/j.bbagen.2019.194416	da	Udrescu, L., Sbârcea, L., Topirceanu, A., Iovanovici, A., Kurunczi, L., Bogdan, P. and Udrescu, M., 2016. Clustering drug-drug interaction networks with energy model layouts: community analysis and drug repurposing. <i>Scientific Reports</i> , 6.	7	2.28
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<b>TOTAL</b>				<b>79</b>	<b>361.51</b>

Candidat,  
Conf. dr. ing. Alexandru TOPIRCEANU

**Candidat Conf. dr. ing. Alexandru TOPÎRCEANU****A3.1.2 - Citari in carti, reviste si volume ale unor manifestari stiintifice indexate BDI**

Nr. crt.	Sursa citare	Baza de date	Lucrarea citata	Nr. autori lucrare citata	Indicator realizat
1	Yang, S., Cheng, C., Shen, S., & Yang, J. (2018). Visual analysis of the evolution and focus of agricultural drought research on crops. <i>International Agricultural Engineering Journal</i> , 27(2), 348-352.	Scopus	Topirceanu, A., Duma, A., & Udrescu, M. (2016). Uncovering the fingerprint of online social networks using a network motif based approach. <i>Computer Communications</i> , 73, 167-175.	3	1.333
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103	Badkas, A., De Landtsheer, S., & Sauter, T. (2020). Topological network measures for drug repositioning. <i>Briefings in Bioinformatics</i> .	ISI SCIE	Udrescu, L., Bogdan, P., Chis, A., Sirbu, I. O., Topirceanu, A., Varut, R. M., & Udrescu, M. (2020). Uncovering new drug properties in target-based drug-drug similarity networks. <i>Pharmaceutics</i> , 12(9), 879.	7	0.571
104	Zhang, Y. (2020). Computer Aided Simulation on Economic System Architecture.	Google Scholar	Barina, G., Udrescu, M., Topirceanu, A., & Vladutiu, M. (2018, August). Simulating Payoff Distribution in Networks of Economic Agents. In 2018 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM) (pp. 467-470). IEEE.	4	1

105	Denis, G., Kumar, D. T. K., Sasipriya, D. S., & Karthikeyan, M. (2020). LinkedIn Talent Insights for Social Hiring in Hr Recruitment Using Data Mining Techniques Using Social, Mobility, Analytics, Cloud (SMAC) Architecture. International Journal of Advanced Research in Engineering and Technology (IJARET), 11(1), 80-90.	Scopus	Topirceanu, A., Garcia, J., & Udrescu, M. (2016, September). UPT. Social: The Growth of a New Online Social Network. In Network Intelligence Conference (ENIC), 2016 Third European (pp. 9-16). IEEE.	3	1.333
106	Hong Yan, & Zhao Mei. (2017). Comparative analysis of the clinical efficacy of losartan potassium and candesartan medoxomil in patients with essential hypertension and hyperuricemia and the repair of endothelial progenitor cells. Guangxi Medical University Journal, 34(11), 11.	Google Scholar	Suciuc, L., Cristescu, C., Topirceanu, A., Udrescu, L., Udrescu, M., Buda, V., & Tomescu, M. C. (2016). Evaluation of patients diagnosed with essential arterial hypertension through network analysis. Irish Journal of Medical Science(1971-), 185(2), 443-451.	7	0.571
107	Ning, Z., Liu, L., Yu, S., & Xia, F. (2017, November). Detection of four-node motif in complex networks. In International conference on complex networks and their applications (pp. 453-462). Springer, Cham.	Springerlink	Topirceanu, A., & Udrescu, M. (2015, May). Measuring realism of social network models using network motifs. In Applied Computational Intelligence and Informatics (SACI), 2015 IEEE 10th Jubilee International Symposium on(pp. 443-447). IEEE.	2	2
108	Sharma, D., & Gupta, V. (2020). Modeling 3D WSN to Maximize Coverage Using Harmony Search Scheme. In Advanced Engineering Optimization Through Intelligent Techniques (pp. 95-111). Springer, Singapore.	Springerlink	Iovanovici, A., Topirceanu, A., Udrescu, M., & Vladutiu, M. (2014, October). Design space exploration for optimizing wireless sensor networks using social network analysis. In System Theory, Control and Computing (ICSTCC), 2014 18th International Conference (pp. 815-820). IEEE.	4	1
109	Hozhabrierdi, P., Zhu, R., Onyewu, M., & Soundarajan, S. (2021). Network-Based Analysis of Early Pandemic Mitigation Strategies: Solutions, and Future Directions. Northeast Journal of Complex Systems (NEJCS), 3(1), 3.	Google Scholar	Topirceanu, A. (2020, December). Analyzing the Impact of Geo-Spatial Organization of Real-World Communities on Epidemic Spreading Dynamics. In International Conference on Complex Networks and Their Applications (pp. 345-356). Springer, Cham.	1	4
110	Volkening, A., Linder, D. F., Porter, M. A., & Rempala, G. A. (2020). Forecasting elections using compartmental models of infection. SIAM Review, 62(4), 837-865.	ISI SCIE	Topirceanu, A. (2020). Electoral Forecasting Using a Novel Temporal Attenuation Model: Predicting the US Presidential Elections. arXiv preprint arXiv:2005.01799.	1	4
111	Wachs, J. (2019). Network approaches to the study of corruption (Doctoral dissertation, Ph. D. thesis, Central European University).	Google Scholar	Herascu, S. I., Parvu, M., Topirceanu, A., & Udrescu, M. (2018). Exploring Party Switching in the Post-1989 Romanian Politicians Networks from a Complex Network Perspective. Romanian Journal of Political Science, 18(1), 108-136.	4	1
<b>TOTAL</b>				<b>111</b>	<b>244.98</b>

Candidat,  
Conf. dr. ing. Alexandru TOPIRCEANU

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RAMURA DE STIINTA: CALCULATOARE, TEHNOLOGIA INFORMATIEI SI INGINERIA SISTEMELOR

**Candidat Conf. dr. ing. Alexandru TOPÎRCEANU**

**A3.2 - Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice - indexate ISI**

Nr. crt.	Activitatea	Indicator realizat
1	(PC Member) EB ASONAM 2013, Online Social Media Analysis and Visualization, 2014, 01.09.2013-31.08.2014	10
2	(PC Member) Fourth European Network Intelligence Conference, ENIC 2017, 11-12.September	10
3		
<b>TOTAL</b>		<b>20</b>

**A3.3 - Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice - indexate BDI**

Nr. crt.	Activitatea	Indicator realizat
1	(PC Member) ICEMES 2015, The 13th International Conference on Engineering of Modern Electric Systems, 11-12.06.2015	6
2		
3		
<b>TOTAL</b>		<b>6</b>

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**A3.4 - Premii in domeniu - Academia Romana, ASTR, academii de ramura, premii internationale**

Nr. crt.	Premiul decernat	Indicator realizat
1	Best paper award pentru articolul: Topirceanu, A., & Udrescu, M. (2015, September). FMNet: Physical Trait Patterns in the Fashion World. In Network Intelligence Conference (ENIC), 2015 Second European (pp. 25-32). IEEE.	15
2		
3		
<b>TOTAL</b>		<b>15</b>

Candidat,  
Conf. dr. ing. Alexandru TOPÎRCEANU