ANEXA Nr. 5.6

Întocmirea fișei de verificare

a îndeplinirii standardelor Universității de prezentare la concurs pentru postul de

conferențiar universitar

Lector Universitar Arthur Robert TUNYAGI

Candidat pentru poziția de Conferențiar Universitar – poziția 5

1. Activitatea didactică și profesională

Nr. Crt	Punctaj minimal	Punctaj realizat	Tipul activităților
1.			Cărți, manuale, îndrumare de laborator în edituri naționale sau alte edituri internaționale ca autor, note interne, prezentări susținute pentru aprobarea analizelor de date în cadrul colaborărilor mari. **Activitatea 1.4.**
		$n_{ef} = 3$ **$A_1 = 0.5/3 = 0.166$**	Libál András, Zölde Attila, **Tunyagi Arthur**, *Electronic Lab Companion, Editura Albastra*, 2014, **ISBN:978-973-650-304-7**
		$n_{ef} = 2$ **$A_2 = 0.5/2 = 0.25$**	Simon Alpár, **Tunyagi Arthur Robert**, *Elektronika laboratóriumi praktikum, 1 Elméleti és kísérleti alapok*, Presa Universitara Clujeana, 2021, **ISBN: 978-606-37-1255-5**
		$n_{ef} = 2$ **$A_3 = 0.5/2 = 0.25$**	Simon Alpár, **Tunyagi Arthur Robert**, *Elektronika laboratóriumi praktikum, 2 Digitális elektronika gyakorlatok és feladatok*, Presa Universitara Clujeana, 2022, **ISBN:978-606-37-1688-1**
		$n_{ef} = 2$ **$A_4 = 0.5/2 = 0.25$**	Simon Alpár, **Tunyagi Arthur Robert**, *Elektronika Laboratóriumi praktikum, 3 Analóg elektronika gyakorlatok*, Presa Universitara Clujeana, 2023, **ISBN:978-606-37-2011-6**
2.			Brevete de invenție internaționale acordate. **Activitatea 1.7**
		$n_{ef} = 3$ **$A_5 = 3/3 = 1$**	Klaus Betzler, **Tunyagi Arthur R**., *Lichtquelle fur radial polarisiertes Licht*, **DE 10 2004 013 284 B3**, 2005.04.07, G02F 1/37, Deutschen Patent

3.		n_{ef} = 5 **A_6 = 0.5/5 = 0.1**	Brevete de invenție naționale acordate. **Activitatea 1.8** Burda Ioan, **Tunyagi Arthur Robert**, Silaghi Andreea Maria, Simion Simon, Popescu Octavian, *Modul de măsurare a impedanței unui imunosenzor rezonant*, **RO 129483 B1**, 2/2020, OSIM
		n_{ef} = 5 **A_7 = 0.5/5 = 0.1**	Burda Ioan, Silaghi Andreea Maria, Popescu Octavian, **Tunyagi Arthur Robert**, Simon Simion, *Multiplicator de sensibilitate pentru un senzor rezonant*, **RO 129482 B1**, 2/2020, OSIM
		n_{ef} = 6 **A_8 = 0.5/6 = 0.083**	**Tunyagi Arthur Robert**, Cucos Alexandra Laura, Dicu Tiberius, Botos Marius Lucian, Chiorean Cosmin Gruia, Fernandez Carlos Sainz, *Sistem inteligent și metoda de determinare și control al concentrației de Radon din interiorul clădirilor civile*, **RO 134001 B1**, 7/2022, OSIM
4.		**A_9 = 0.5**	Director/responsabil/coordonator pentru programe de studii. Programe de formare continua, proiecte educaționale și proiecte de infrastructura (proiectele de cercetare se exclud) **Activitatea 1.9** Responsabil programului de studiu: **Fizica Tehnologica Linia Maghiara**
	A >= 1	**A = 2.71**	**Punctaj total**
Criteriu îndeplinit. Criteriu depășit cu 171%			

2. Activitatea de cercetare

Nr. Crt	Punctaj minimal	Punctaj realizat	Tipul activităților
1.			Articole științifice originale în extenso ca autor

		n_{ef}=3 **I_1=0.184/3=0.061**	1. Alpár Simon, Mike Anita-Diana, **Arthur Robert Tunyagi**, *Study of color mixing by amplitude modulation driving technique of an RGB LED*, Romanian Reports in Physics, 77,907, (2024), **AIS=0.184**
		n_{ef}=(6+5)/2=5.5 **I_2=0.614/5.5=0.112**	2. Tiberius Dicu, Marius Botos, Alexandra Cucoș, Șerban Grecu, Stefan Florica, **Arthur Tunyagi**, *Evaluating radon concentration and temporal correction factors in residential and workplace buildings: A comparison of passive and active methods*, Heliyon, 10,e37144, (2004), **AIS=0.614**
		n_{ef}=3 **I_3=0.184/3=0.061**	3. **Arthur Robert Tunyagi**, Kinga Bodó, Alpár Simon, *Investigation of the magnetic field created by axially symmetric permanent magnet arrangements*, Romanian Reports in Physics, 75, 910, (2023), **AIS=0.184**
		n_{ef}=(18+15)/3=11 **I_4=1.397/11=0.127**	4. BD Burghele, M Botoș, S Beldean-Galea, A Cucoș, T Catalina, T Dicu, G Dobrei, Ș Florică, A Istrate, A Lupulescu, M Moldovan, D Niță, B Papp, I Pap, K Szacsvai, C Sainz, **A Tunyagi**, A Țenter, *Comprehensive survey on radon mitigation and indoor air quality in energy efficient buildings from Romania*, Science of The Total Environment, 751, 141858,(2021), **AIS=1.397**
		n_{ef}=(22+15)/3=12.3 **I_5=1.288/12.3=0.104**	5. Mihail Simion Beldean-Galea, Tiberius Dicu, Alexandra Cucoş, Bety-Denissa Burghele, Tiberiu Catalina, Marius Botoş, Ancuţa Ţenter, Kinga Szacsvai, Alexandru Lupulescu, Istvan Pap, Gabriel Dobrei, Mircea Moldovan, **Arthur Tunyagi**, Ştefan Florică, Vlad Pănescu, Carlos Sainz, *Evaluation of indoor air pollutants in 100 retrofit residential buildings from Romania during cold season*, Journal of Cleaner Production, 277, 124098, (2020), **AIS=1.288**

		n_{ef}=(22+15)/3=12.3 **I_6=0.194/12.3=0.016**	6. **A Tunyagi**, T Dicu, A Cucoș, BD Burghele, G Dobrei, A Lupulescu, M Moldovan, D Niță, B Papp, I Pap, K Szacsvai, A Tenter, MS Beldean-Galea, M Anton, S Grecu, L Cioloca, R Milos, ML Botos, CG Chiorean, T Catalina, MA Istrate, Carlos Sainz Fernández, *An innovative system for monitoring radon and indoor air quality*, Romanian Journal of Physics, 65,803, (2020), **AIS=0.194**
		n_{ef}=5 **I_7=0.586/5=0.117**	7. Ioan Burda, Andreea Silaghi, **Arthur Tunyagi**, Simion Simon, Octavian Popescu, *Note: Sensitivity multiplication module for quartz crystal microbalance applications*, Review of Scientific Instruments, 85, 26116, (2014), **AIS=0.586**
		n_{ef}=4 **I_8=0.210/4=0.053**	8. Sz Boda, Sz Ujvári, **A Tunyagi**, Z Néda, *Kuramoto-type phase transition with metronomes*, European Journal of Physics, 34, 1451,(2013), **AIS=0.210**
		n_{ef}=4 **I_9=0.616/4=0.154**	9. Sz Boda, Zoltán Néda, Botond Tyukodi, **Arthur Tunyagi**, *The rhythm of coupled metronomes*, European Physical Journal B, 86,9-11,(2013),**AIS=0.616**
		n_{ef}=5 **I_{10}=0.236/5=0.047**	10. B Tyukodi, Zs Sárközi, Z Néda, **A Tunyagi**, E Györke, *The Boltzmann constant from a snifter*, European journal of physics, 33, 455, (2012), **AIS=0.236**
		n_{ef}=5 **I_{11}=0.385/5=0.077**	11. Zsuzsa Sarkozi, Erna Kaptalan, Zoltan Neda,Szilard Boda, **Arthur Tunyagi**, *Optimization Induced Collective Behavior in a System of Flashing Oscillators*, International Journal of Bifurcation and Chaos, 22, 1230002 (2012), **AIS=0.385**
		n_{ef}=5.5 **I_{12}=0.020/5.5=0.004**	12. Oana Ponta, Endre Jakab, Ioan Burda, **Arthur Tunyagi**, Andreea Silaghi, Simion Simon, *AFM Investigation of Morphological Changes to Staphylococcus Aureus Surface Induced by AgNO $_3$ AND Oxacillin Addition.*, Studia Universitatis Babes-Bolyai, Chemia, 57, 4, (2012), **AIS=0.020**

		n_{ef}=2 **I_{13}=0.674/2=0.337**	13. Ioan Burda, **Arthur Tunyagi**, *Quartz crystal microbalance based on passive frequency to voltage converter*, Review of Scientific Instruments, 83,25107, (2012), **AIS=0.674**
		n_{ef}=5 **I_{14}=0.112/5=0.022**	14. I Deac, A Vlădescu, I Balász, **A Tunyagi**, R Tetean, Low *Temperature Magnetic Properties of $Pr_{0.7}(Ca,Sr)_{(0.3)}CoO_3$ Oxides*, Acta Physica Polonica A, 120,306-310,(2011),**AIS=0.112**
		n_{ef}=5 **I_{15}=0.113/5=0.023**	15. IG Deac, A Vlădescu, I Balász, **A Tunyagi**, R Tetean, *Electrical and magnetic properties of transition metal oxides $Ln_{1-x}A_xMO_3$ (Ln= Pr, Nd; A= Ca, Sr; M= Mn, Co)*, Journal of Optoelectronics and Advanced Materials, 12, 1818-1824, (2010), **AIS=0.113**
		n_{ef}=5 **I_{16}=0.158/5=0.032**	16. IG Deac, A Vlădescu, I Balász, **A Tunyagi**, R Tetean, *Electrical and magnetic behavior of transition metal oxides $Ln_{0.7}A_{0.3}TMO_3$, Ln= La, Pr; A = Ca, Sr AND TM = Mn, Co*, International Journal of Modern Physics B, 24, 762-769, (2010), **AIS=0.158**
		n_{ef}=5 **I_{17}=1.017/5=0.203**	17. R Sumi, Z Néda, **A Tunyagi**, Sz Boda, Cs Szász, *Nontrivial spontaneous synchronization*, Physical Review E, 79, 56205, (2009), **AIS=1.017**
		n_{ef}=5 **I_{18}=0.700/5=0.140**	18. M Ercsey-Ravasz, Zs. Sárközi, Z Néda, **A Tunyagi**, I Burda, *Collective behavior of electronic fireflies*, European Physical Journal B, 65, 271-277, (2008), **AIS=0.700**
		n_{ef}=(7+5)/2=6 **I_{19}=0.190/6=0.032**	19. Vasile Rednic, Lidia Rednic, Marin Coldea, Viorel Pop, Manfred Neumann, Roxana Păcurariu, **Arthur R. Tunyagi**, *X-ray photoelectron spectroscopy and magnetism of $Mn_{1-x}Al_xNi_3$ alloys*, Cent. Eur. J. Phys, 6(3),434-439, (2008), **AIS=0.190**
		n_{ef}=(7+5)/2=6 **I_{20}=0.113/6=0.019**	20. O Isnard, D Givord, E Dorolti, V Pop, L Nistor, **A Tunyagi**, I Chicinaș, *Magnetic and structural behavior of $(Nd, Dy)_2Fe_{14}B$*, Journal of Optoelectronics and Advanced Materials, 7, 1819-1822, (2008), **AIS=0.113**

		n_{ef}=4 **I_{21}=0.400/4=0.100**	21. C David, **A Tunyagi**, K Betzler, M Wöhlecke, *Compositional dependence of optical and vibrational properties of strontium barium niobate ($Sr_x Ba_{1-x} Nb_2O_6$)*, Physica Status Solidi (B), 244, 2127-2137, (2007), **AIS=0.400**
		n_{ef}=(7+5)/2=6 **I_{22}=1.200/6=0.200**	22. T Volk, D Isakov, N Ivanov, L Ivleva, K Betzler, **A Tunyagi**, M Wöhlecke, *Study of ferroelectric domain switching by domain wall induced light scattering*, Journal of Applied Physics, 97, 74102, (2005), **AIS=1.200**
		n_{ef}=(7+5)/2=6 **I_{23}=0.700/6=0.117**	23. T Volk, D Isakov, N Ivanov, L Ivleva, K Betzler, **A Tunyagi**, M Wöhlecke, *Study of ferroelectric switching by domain-wall induced light scattering*, Journal of Experimental and Theoretical Physics Letters/ JETP LETTERS, 80,258-262, (2004), **AIS=0.700**
		n_{ef}=(7+5)/2=6 **I_{24}=1.200/6=0.200**	24. C. David; **A. Tunyagi**; M. Ulex; M. Wöhlecke; K. Betzler; K. Lengyel; L. Kovács, *Structure of the OH− stretching vibrational band in $Sr_xBa_{1-x}Nb_2O_6$*, Journal of Applied Physics, 95, 5522-5526, (2004), **AIS=1.200**
		n_{ef}=(9+5)/2=7 **I_{25}=0.400/7=0.057**	25. C David, T Granzow, **A Tunyagi**, M Wöhlecke, Th Woike, K Betzler, M Ulex, M Imlau, R Pankrath, *Composition dependence of the phase transition temperature in $Sr_xBa_{1-x}Nb_2O_6$*, Physica Status Solidi (A), 201, R49-R52, (2004), **AIS=0.400**
		n_{ef}=(7+5)/2=6 **I_{26}=1.300/6=0.217**	26. Ch Bäumer, C David, **A Tunyagi**, K Betzler, H Hesse, E Krätzig, M Wöhlecke, *Composition dependence of the ultraviolet absorption edge in lithium tantalate*, Journal of applied physics, 93, 3102-3104, (2003), **AIS=1.300**
		n_{ef}=3 **I_{27}=3.800/3=1.267**	27. **AR Tunyagi**, M Ulex, K Betzler, *Noncollinear optical frequency doubling in strontium barium niobate*, Physical Review Letters, 90, 243901, (2003), **AIS=3.800**
	I >= 2	**I=3.897**	**Punctaj total I ($I = \Sigma I_i = \Sigma AIS_i/n_{ef}$)**
Criteriu îndeplinit. Criteriu depășit cu 95%			

2.			Articole științifice originale in extenso ca prim autor sau autor corespondent
		P_1 = 0.184	1. Alpár Simon, Mike Anita-Diana, **Arthur Robert Tunyag**i, *Study of color mixing by amplitude modulation driving technique of an RGB LED*, Romanian Reports in Physics, 77,907, (2024), **AIS=0.184**
		P_2 = 0.184	2. **Arthur Robert Tunyagi**, Kinga Bodó, Alpár Simon, *Investigation of the magnetic field created by axially symmetric permanent magnet arrangements*, Romanian Reports in Physics, 75, 910, (2023), **AIS=0.184**
		P_3 = 0.194	3. **A Tunyagi**, T Dicu, A Cucoș, BD Burghele, G Dobrei, A Lupulescu, M Moldovan, D Niță, B Papp, I Pap, K Szacsvai, A Tenter, MS Beldean-Galea, M Anton, S Grecu, L Cioloca, R Milos, ML Botos, CG Chiorean, T Catalina, MA Istrate, Carlos Sainz Fernández, *An innovative system for monitoring radon and indoor air quality*, Romanian Journal of Physics, 65,803, (2020), **AIS=0.194**
		P_4 = 3.800	4. **AR Tunyagi**, M Ulex, K Betzler, *Noncollinear optical frequency doubling in strontium barium niobate*, Physical Review Letters, 90, 243901, (2003), **AIS=3.800**
	P >= 2	**P = 4.362**	**Punctaj total ($P=\Sigma P_i=\Sigma AIS_i$)**
Criteriu îndeplinit. Criteriu depășit cu 118%			

3. Recunoașterea impactului activității

Nr. Crt	Punctaj minimal	Punctaj realizat	Tipul activităților
1.			Citări în reviste științifice cu factor de impact care se regăsesc în InCites, Journal Citation Reports sau în cărți în edituri recunoscute Web of Science. Nu se iau în considerare citările provenind din articole care au ca autor sau co-autor candidatul.

		n_{ef}=(18+15)/3=11 **C_1=30/11=2.727**	1. BD Burghele, M Botoș, S Beldean-Galea, A Cucoș, T Catalina, T Dicu, G Dobrei, Ș Florică, A Istrate, A Lupulescu, M Moldovan, D Niță, B Papp, I Pap, K Szacsvai, C Sainz, **A Tunyagi**, A Țenter, *Comprehensive survey on radon mitigation and indoor air quality in energy efficient buildings from Romania*, Science of The Total Environment, 751, 141858,(2021), **citări=30**
		n_{ef}=(22+15)/3=12.33 **C_2=14/12.33=1.135**	2. Mihail Simion Beldean-Galea, Tiberius Dicu, Alexandra Cucoș, Bety-Denissa Burghele, Tiberiu Catalina, Marius Botoş, Ancuţa Ţenter, Kinga Szacsvai, Alexandru Lupulescu, Istvan Pap, Gabriel Dobrei, Mircea Moldovan, **Arthur Tunyagi**, Ștefan Florică, Vlad Pănescu, Carlos Sainz, *Evaluation of indoor air pollutants in 100 retrofit residential buildings from Romania during cold season*, Journal of Cleaner Production, 277, 124098, (2020), **citări=14**
		n_{ef}=(22+15)/3=12.33 **C_3=7/12.33=0.568**	3. **A Tunyagi**, T Dicu, A Cucoș, BD Burghele, G Dobrei, A Lupulescu, M Moldovan, D Niță, B Papp, I Pap, K Szacsvai, A Tenter, MS Beldean-Galea, M Anton, S Grecu, L Cioloca, R Milos, ML Botos, CG Chiorean, T Catalina, MA Istrate, Carlos Sainz Fernández, *An innovative system for monitoring radon and indoor air quality*, Romanian Journal of Physics, 65,803, (2020), **citări=7**
		n_{ef} = 5 **C_4=1/5=0.200**	4. Ioan Burda, Andreea Silaghi, **Arthur Tunyagi**, Simion Simon, Octavian Popescu, *Note: Sensitivity multiplication module for quartz crystal microbalance applications*, Review of Scientific Instruments, 85, 26116, (2014), **citări=1**
		n_{ef} = 4 **C_5=8/4=2.000**	5. Sz Boda, Sz Ujvári, **A Tunyagi**, Z Neda, *Kuramoto-type phase transition with metronomes*, European Journal of Physics, 34, 1451, (2013), **citări=8**
		n_{ef} = 4 **C_6=12/4=3.000**	6. Sz Boda, Zoltán Neda, Botond Tyukodi, **Arthur Tunyagi**, *The rhythm of coupled metronomes*, European Physical Journal B, 86,9-11, (2013), **citări=12**

		n_{ef} = 5 **C_7=2/5=0.400**	7. B Tyukodi, Zs Sárközi, Z Néda, **A Tunyagi**, E Györke, *The Boltzmann constant from a snifter*, European journal of physics, 33, 455, (2012), citări**=2**
		n_{ef} = 2 **C_8=1/2=0.500**	8. Ioan Burda, **Arthur Tunyagi**, *Quartz crystal microbalance based on passive frequency to voltage converter*, Review of Scientific Instruments, 83,25107, (2012), **citări=1**
		n_{ef} = 5 **C_9=3/5=0.600**	9. I Deac, A Vlădescu, I Balasz, **A Tunyagi**, R Tetean, *Low Temperature Magnetic Properties of Pr-$_{0.7}$(Ca,Sr)$_{(0.3)}$CoO$_3$ Oxides*, Acta Physica Polonica A, 120,306-310,(2011), **citări=3**
		n_{ef} = 5 **C_{10}=1/5=0.200**	10. IG Deac, A Vlădescu, I Balász, **A Tunyagi**, R Tetean, *Electrical and magnetic properties of transition metal oxides $Ln_{1-x}A_xMO_3$ (Ln= Pr, Nd; A= Ca, Sr; M= Mn, Co)*, Journal of Optoelectronics and Advanced Materials, 12, 1818-1824, (2010), **citări=1**
		n_{ef} = 5 **C_{11}=5/5=1.000**	11. IG Deac, A Vlădescu, I Balász, **A Tunyagi**, R Tetean, *Electrical and magnetic behavior of transition metal oxides $Ln_{0.7}A_{0.3}TMO_3$, Ln= La, Pr; A = Ca, Sr AND TM = Mn, Co*, International Journal of Modern Physics B, 24, 762-769, (2010), **citări=5**
		n_{ef} = 5 **C_{12}=2/5=0.400**	12. R Sumi, Z Néda, **A Tunyagi**, Sz Boda, Cs Szász, *Nontrivial spontaneous synchronization*, Physical Review E, 79, 56205, (2009), **citări=2**
		n_{ef}=(7+5)/2=6 **C_{13}=1/6=0.167**	13. O Isnard, D Givord, E Dorolti, V Pop, L Nistor, **A Tunyagi**, I Chicinaş, *Magnetic and structural behavior of (Nd, Dy) $_2Fe_{14}B$*, Journal of Optoelectronics and Advanced Materials, 7, 1819-1822, (2008),c**itări=1**
		n_{ef} = 5 **C_{14}=2/5=0.400**	14. M Ercsey-Ravasz, Zs Sárközi, Z Néda, **A Tunyagi**, I Burda, *Collective behavior of electronic fireflies*, European Physical Journal B, 65, 271-277, (2008), **citări=2**

		n_{ef}=(7+5)/2=6 **C_{15}=3/6=0.500**	15. Vasile Rednic, Lidia Rednic, Marin Coldea, Viorel Pop, Manfred Neumann, Roxana Păcurariu, **Arthur R. Tunyag**i, *X-ray photoelectron spectroscopy and magnetism of $Mn_{1-x}Al_xNi_3$ alloys*, Cent. Eur. J. Phys, 6(3),434-439, (2008), **citări=3**
		n_{ef} = 4 **C_{16}=47/4=11.750**	16. C David, **A Tunyagi**, K Betzler, M Wöhlecke, *Compositional dependence of optical and vibrational properties of strontium barium niobate (Sr_x Ba_{1-x} Nb_2O_6)*, Physica Status Solidi (B), 244, 2127-2137, (2007), **citări=47**
		n_{ef}=(7+5)/2=6 **C_{17}=23/6=3.833**	17. T Volk, D Isakov, N Ivanov, L Ivleva, K Betzler, **A Tunyagi**, M Wöhlecke, *Study of ferroelectric domain switching by domain wall induced light scattering*, Journal of Applied Physics, 97, 74102, (2005), **citări=23**
		n_{ef}=(7+5)/2=6 **C_{18}=4/6=0.667**	18. T Volk, D Isakov, N Ivanov, L Ivleva, K Betzler, **A Tunyagi**, M Wöhlecke, *Study of ferroelectric switching by domain-wall induced light scattering*, Journal of Experimental and Theoretical Physics Letters/ JETP LETTERS, 80,258-262, (2004), **citări=4**
		n_{ef}=(7+5)/2=6 **C_{19}=2/6=0.333**	19. C. David; **A. Tunyagi**; M. Ulex; M. Wöhlecke; K. Betzler; K. Lengyel; L. Kovács, *Structure of the OH− stretching vibrational band in $Sr_xBa_{1-x}Nb_2O_6$*, Journal of Applied Physics, 95, 5522-5526, (2004), **citări=2**
		n_{ef}=(9+5)/2=7 **C_{20}=57/7=8.143**	20. C David, T Granzow, **A Tunyagi**, M Wöhlecke, Th Woike, K Betzler, M Ulex, M Imlau, R Pankrath, *Composition dependence of the phase transition temperature in $Sr_xBa_{1-x}Nb_2O_6$*, Physica Status Solidi (A), 201, R49-R52, (2004), **citări=57**
		n_{ef}=(7+5)/2=6 **C_{21}=53/6=8.833**	21. Ch Bäumer, C David, **A Tunyagi**, K Betzler, H Hesse, E Krätzig, M Wöhlecke, *Composition dependence of the ultraviolet absorption edge in lithium tantalate*, Journal of applied physics, 93, 3102-3104, (2003), **citări=53**
		n_{ef} = 3 **C_{22}=105/3=35.000**	22. **AR Tunyagi**, M Ulex, K Betzler, *Noncollinear optical frequency doubling in strontium barium niobate*, Physical Review Letters, 90, 243901, (2003), **citări=105**

	C >= 20	**C = 82.356**	**Punctaj total**
Criteriu îndeplinit. Criteriu depășit cu 311%			
2.		**h=9**	Indicele Hirsch Valoarea indicelui Hirsch este 9 (WOS)
	h >= 5	**h = 9**	**Punctaj total**
Criteriu îndeplinit. Criteriu depășit cu 80%			

Punctaj total:

Formulă de calcul: T=A+I/2+P/2+C/20+h/5

Punctaj candidat: T=2.71+3.897/2+4.362/2+82.356/20+9/5 = 2.71+1.949+2.181+4.118+1.8

T=12.76 puncte

Condiția minima UBB Cluj: 5.25 puncte

Observație: Condiție îndeplinita. Punctaj minim depășit cu 132%