Fişă de verificare

a îndeplinirii standardelor minimale specifice postului de **conferenţiar univeristar**.

Candidat: **László Tamás**

I. Standarde minimale naționale specifice

Indicator	Standarde minimale (conform OMENCS 6129/2016, Comisia Matematică)	Punctaj realizat
S	**≥ 2.5**	**8,05**
S_recent	**≥ 1.5**	**4,674**
C	**≥ 6**	**18**

a) Articole publicate în reviste cu maximul factorilor SRI (din ultimele cinci liste JCR disponibile) mai mare sau egal cu 0.5

Nr.	Referinţa biliografică	Publicat în ultimii 7 ani?	s_i	n_i	s_i/n_i	Anul s_i
1	Ehrhart theory of polytopes and Seiberg–Witten invariants of plumbed 3–manifolds, (joint paper with A. Némethi), GEOMETRY & TOPOLOGY Volume: 18 Issue: 2 Pages: 717-778 Published: 2014. WOS:000333896100004		4,148	2	2,074	2018
2	Reduction Theorem for Lattice Cohomology, (joint paper with A. Némethi), INTERNATIONAL MATHEMATICS RESEARCH NOTICES Volume: 2015 Issue: 11 Pages: 2938-2985 Published: 2015		2,658	2	1,329	2018
3	Non-normal affine monoids, modules and Poincaré series of plumbed 3-manifolds, (joint paper with Zs. Szilágyi), ACTA MATHEMATICA HUNGARICA Volume: 152 Issue: 2 Pages: 421-452 Published: AUG 2017	x	0,632	2	0,316	2018
4	Nemethi's division algorithm for zeta-functions of plumbed 3-manifolds, (joint paper with Zs. Szilágyi), BULLETIN OF THE LONDON MATHEMATICAL SOCIETY Volume: 50 Issue: 6 Pages: 1035-1055 Published: DEC 2018	x	1,805	2	0,903	2019
5	On Poincaré series associated with links of normal surface singularities, (joint paper with Zs. Szilágyi), TRANSACTIONS OF THE AMERICAN MATHEMATICAL SOCIETY Volume: 372 Issue: 9 Pages: 6403-6436 Published: NOV 1 2019	x	2,756	2	1,378	2017
6	Surgery formulae for the Seiberg-Witten invariant of plumbed 3-manifolds, (joint manuscript with J. Nagy and A. Némethi), REVISTA MATEMATICA COMPLUTENSE Volume: 33 Issue: 1 Pages: 197-230 Published: JAN 2020	x	1,470	3	0,490	2016

7	Combinatorial duality for Poincare series, polytopes and invariants of plumbed 3-manifolds, (joint manuscript with J. Nagy and A. Némethi), SELECTA MATHEMATICA-NEW SERIES Volume: 25 Issue: 2 Article Number: 21 Published: JUN 2019	x	3,053	3	1,018	2017
8	Delta invariant of curves on rational surfaces I. An analytic approach, (joint with José Ignacio Cogolludo-Agustín, Tamás László, Jorge Martín-Morales and András Némethi), Communications in Contemporary Mathematics, https://doi.org/10.1142/S0219199721500528 , 2021	x	2,171	4	0,543	2019
Total			S=		**8,050**	
			S_recent=		**4,647**	

b) Situația citărilor

Numărul publicației care citează	Referință bibliografică a publicației care citează	SRI (JCR 2020)
	Lattice cohomology and Seiberg-Witten invariants of normal surface singularities, Tamás László, PhD thesis	
1	The Abel map for surface singularities II. Generic analytic structure By: Nagy, Janos; Nemethi, Andras ADVANCES IN MATHEMATICS Volume: 371 Article Number: 107268 Published: SEP 16 2020	2,876
2	ANALYTIC SINGULARITIES SUPPORTED BY A SPECIFIC INTEGRAL HOMOLOGY SPHERE LINK By: Nemethi, Andras; Okuma, Tomohiro METHODS AND APPLICATIONS OF ANALYSIS Volume: 24 Issue: 2 Special Issue: SI Pages: 303-320 Published: JUN 2017	2,205
3	The Abel map for surface singularities I: generalities and examples By: Nagy, Janos; Nemethi, Andras MATHEMATISCHE ANNALEN Volume: 375 Issue: 3-4 Pages: 1427-1487 Published: DEC 2019	2,686
4	On the topology of elliptic singularities By: Nagy, Janos; Nemethi, Andras PURE AND APPLIED MATHEMATICS QUARTERLY Volume: 16 Issue: 4 Special Issue: SI Pages: 1123-1146 Published: 2020	1,054
5	The Abel map for surface singularities III. Elliptic germs, By J Nagy, A Némethi, MATHEMATISCHE ZEITSCHRIFT Volume300 Issue2 Page 1753-1797, DOI10.1007/s00209-021-02830-7, Published FEB 2022	1,679
	Ehrhart theory of polytopes and Seiberg–Witten invariants of plumbed 3–manifolds, By: Laszlo, Tamas; Nemethi, Andras; GEOMETRY & TOPOLOGY 18 (2) (2014), 717-778	
6	ON MILNOR'S FIBRATION THEOREM AND ITS OFFSPRING AFTER 50 YEARS, By: Seade, Jose, BULLETIN OF THE AMERICAN MATHEMATICAL SOCIETY Volume: 56 Issue: 2 Pages: 281-348 Published: APR 2019	3,144
7	CALCULATING HEEGAARD-FLOER HOMOLOGY BY COUNTING LATTICE POINTS IN TETRAHEDRA, By: Can, M. B.; Karakurt, C., ACTA MATHEMATICA HUNGARICA Volume: 144 Issue: 1 Pages: 43-75 Published: OCT 2014	0,590
8	On the topology of elliptic singularities By: Nagy, Janos; Nemethi, Andras PURE AND APPLIED MATHEMATICS QUARTERLY Volume: 16 Issue: 4 Special Issue: SI Pages: 1123-1146 Published: 2020	1,054

9	PAIRS OF INVARIANTS OF SURFACE SINGULARITIES, ANDRÁS NÉMETHI, Proceedings of the International Congress of Mathematicians (ICM 2018), pp. 749-779 (2019), https://doi.org/10.1142/9789813272880_0076	
Reduction Theorem for Lattice Cohomology, By: Laszlo, Tamas; Nemethi, Andras, INTERNATIONAL MATHEMATICS RESEARCH NOTICES (2015) Issue: 11 Pages: 2938-2985		
10	CALCULATING HEEGAARD-FLOER HOMOLOGY BY COUNTING LATTICE POINTS IN TETRAHEDRA, By: Can, M. B.; Karakurt, C., ACTA MATHEMATICA HUNGARICA Volume: 144 Issue: 1 Pages: 43-75 Published: OCT 2014	0,590
11	Title: Heegaard Floer invariants of contact structures on links of surface singularities Author(s): Bodnar, J (Bodnar, Jozsef); Plamenevskaya, O (Plamenevskaya, Olga) Source: QUANTUM TOPOLOGY Volume: 12 Issue: 3 Pages: 411-437 DOI: 10.4171/QT/153 Published: 2021	2,205
12	Heegaard splittings of graph manifolds, By: Artal Bartolo, Enrique; Isaza Penaloza, Simon; Marco-Buzunariz, Miguel A., ANNALI DI MATEMATICA PURA ED APPLICATA Volume: 198 Issue: 3 Pages: 727-747 Published: JUN 2019	1,369
13	Lattice cohomology and rational cuspidal curves By: Bodnar, Jozsef; Nemethi, Andras MATHEMATICAL RESEARCH LETTERS Volume: 23 Issue: 2 Pages: 339-375 Published: 2016	1,539
14	The geometric genus of hypersurface singularities By: Nemethi, Andras; Sigurdsson, Baldur JOURNAL OF THE EUROPEAN MATHEMATICAL SOCIETY Volume: 18 Issue: 4 Pages: 825-851 Published: 2016	4,567
15	On the set of L-space surgeries for links By: Gorsky, Eugene; Nemethi, Andras ADVANCES IN MATHEMATICS Volume: 333 Pages: 386-422 Published: JUL 31 2018	2,876
Surgery formulae for the Seiberg-Witten invariant of plumbed 3-manifolds, By: Laszlo, Tamas; Nagy, Janos; Nemethi, Andras; REVISTA MATEMATICA COMPLUTENSE Volume: 33 Issue: 1 Pages: 197-230 Published: JAN 2020		
16	The Abel map for surface singularities I: generalities and examples By: Nagy, Janos; Nemethi, Andras MATHEMATISCHE ANNALEN Volume: 375 Issue: 3-4 Pages: 1427-1487 Published: DEC 2019	2,686
17	On the topology of elliptic singularities By: Nagy, Janos; Nemethi, Andras PURE AND APPLIED MATHEMATICS QUARTERLY Volume: 16 Issue: 4 Special Issue: SI Pages: 1123-1146 Published: 2020	1,054
Combinatorial duality for Poincare series, polytopes and invariants of plumbed 3-manifolds, By: Laszlo, Tamas; Nagy, Janos; Nemethi, Andras SELECTA MATHEMATICA-NEW SERIES Volume: 25 Issue: 2 Article Number: 21 Published: JUN 2019		
18	On the topology of elliptic singularities By: Nagy, Janos; Nemethi, Andras PURE AND APPLIED MATHEMATICS QUARTERLY Volume: 16 Issue: 4 Special Issue: SI Pages: 1123-1146 Published: 2020	1,054

II.   Standarde minimale ale Universității

a) articole științifice;
- îndeplinirea standardelor minimale de la nivel național;
- publicarea în calitate de autor sau co-autor a minim 8 articole științifice în reviste indexate în baza de date Web of Science și cu factor de impact nenul din domenii ale

matematicii, din care minim 3 articole** în reviste aflate în quartilele Q1 sau Q2 de la Web of Science sau având scor relativ de influență mai mare sau egal ca 1;

Criteriul este îndeplinit (vezi tabelul de la punctul Ia).
Majoritatea articolelor sunt în Q1 din domenii ale matematicii (de exemplu: articolele 1., 5. Și 7.).

b) o monografie științifică pe domenii ale Matematicii publicată în calitate de autor / coautor;

Criteriul este îndeplinit.

Monografia științifică:

T. László: *Poincaré series and polynomials for links of normal surface singularities* (în lb. engleza), Editura Presa Universitară Clujeană (2022),
ISBN: 978-606-37-1465-8

c) vizibilitatea internațională prin citări:
- îndeplinirea standardelor minimale de la nivel național;
- minim 10 citări ale publicațiilor proprii (fără considerarea autocitărilor) in articole indexate Web of Science in cel puțin 3 reviste (cu factor de impact) diferite din străinătate. Publicațiile autorului trebuie sa fie citate de cel putin 3 lucrări științifice având cel puțin un autor sau coautor cu afiliere la instituții de învățământ superior sau de cercetare din afara României.

Criteriul este îndeplinit: vezi tabelul de la punctul I. b).

Data
06 iunie 2022   László Tamás