## FIȘA DE VERIFICARE A STANDARDELOR MINIMALE PENTRU CANDIDAT  LA ABILITARE MATEMATICĂ (CONFORM 6129/20.12.2016)

CANDIDAT: Conf. Dr. Constantin-Cosmin Todea

## I).  LISTĂ ARTICOLE ISI:

| Nr. crt($i$) | Articol, referință bibliografică | Publicat ultimii 7 ani | $s\_i$ | $n\_i$ | $s\_i/n\_i$ | Lista SRI  $s\_i$ max |
|---|---|---|---|---|---|---|
| 1 | C.-C. Todea, Restriction between cohomology algebras of blocks of finite groups, **Algebr. Represent. Theory** 14 (2011), 731-749. | NU | 1,137 | 1 | **1,137** | 2018 |
| 2 | C.-C. Todea, Symmetric algebras, skew category algebras and inverse semigroups, **J. Algebra** 369 (2012), 226-234. | NU | 1,195 | 1 | **1,195** | 2022 |
| 3 | T. Coconet, C.-C. Todea, The extended Brauer quotient of N-interior G-algebras, **J. Algebra** 396 (2013), 10-17. | NU | 1,195 | 2 | **0,598** | 2022 |
| 4 | C.-C. Todea, On cohomology of saturated fusion systems and support varieties, **J. Algebra** 402 (2014), 83-91. | NU | 1,195 | 1 | **1,195** | 2022 |
| 5 | C.-C. Todea, Symmetric cohomology of groups as a Mackey functor, **Bull. Belg. Math. Soc. Simon Stevin** 22 (2015), 49-58. | NU | 0,676 | 1 | **0,676** | 2021 |

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|---|---|---|---|---|---|---|
| 6 | C.-C. Todea, A theorem of Mislin for cohomology of fusion systems and applications to block algebras of finite groups, **Expo. Math**. 33 (2015), 526-534. | NU | 1,618 | 1 | **1,618** | 2020 |
| 7 | C.-C. Todea, Basic Morita equivalences and a conjecture of Sasaki for cohomology of block algebras of finite groups, **Quart. J. of Math**. 67 (2016), 109-123. | NU | 1,342 | 1 | **1,342** | 2019 |
| 8 | T. Coconet, A. Marcus, C.-C. Todea, Frobenius induction for algebras, **Comm. Algebra** 45 (4) (2017), 1542-1557. | DA | 0,659 | 3 | **0,22** | 2022 |
| 9 | C.-C. Todea, Bockstein homomorphisms for Hochschild cohomology of group algebras and of blocks of finite groups, **Forum Mathematicum** 29 (3) (May 2017), 735-749. | DA | 1,309 | 1 | **1,309** | 2021 |
| 10 | C.-C. Todea, On some saturated triples and hyperfocal subgroups, **J. Algebra** 499 (2018), 358-374. | DA | 1,195 | 1 | **1,195** | 2022 |
| 11 | T. Coconet, A. Marcus, C.-C. Todea, Fusions and Clifford extensions, **J. Group Theory** 22 (2019), 169–190. | DA | 0,963 | 3 | **0,321** | 2021 |
| 12 | T. Coconet, C.-C. Todea, Domination of blocks, fusion systems and hyperfocal subgroups, **J. Algebra** 549 (2020), 30–44. | DA | 1,195 | 2 | **0,598** | 2022 |
| 13 | T. Coconet, A. Marcus, C.-C. Todea, Block extensions, local categories and basic Morita equivalences, **Quart. J. Math.** 71 (2020), 703–728. | DA | 1,342 | 3 | **0,447** | 2019 |

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|---|---|---|---|---|---|---|
| 14 | C.-C. Todea, BD algebras and group cohomology, **Comptes Rendus Mathematique** 359 no 8 (2021), 925-837. | DA | 1,113 | 1 | **1,113** | 2022 |
| 15 | T. Coconet, C.-C. Todea, Symmetric Hochschild cohomology of twisted group algebras, **Homology Homotopy and Appl.** vol 24 (1) (2022), 93-115. | DA | 1,225 | 2 | **0,613** | 2019 |
| 16 | I. I. Simion, C.-C. Todea, Hochschild Cohomology of Some Finite Category Algebras as Simplicial Cohomology, **Mathematical Notes** Vol.112 No. 5 (2022), 741-754. | DA | 0,611 | 2 | **0,306** | 2021 |
| 17 | C.-C. Todea, Nontriviality of the first Hochschild cohomology of some block algebras of finite groups, **J. of Pure and Appl. Algebra** 227 (2023), 107192. | DA | 1,312 | 1 | **1,312** | 2019 |
| | **TOTAL:** | | | | | |
| **S =** | **15,195** | | **S_recent=** | **7,434** | | |

STANDARDE MINIMALE ABILITARE: S>=5; S_recent>=2,5

S=suma(s_i/n_i) [unde suma se face după toate articolele i (cu i de la 1 la 17)]

S_recent=suma(s_i/n_i) [unde suma se face după toate articolele i publicate în ultimii 7 ani (cu i de la 8 la 17)]

t=2024, t-1=2023, t-2=2022, t-3=2021, t-4=2020, t-5=2019, t-6=2018, t-7=2017

Ultimele 5 liste SRI disponibile: RIS_2022, RIS_2021, SRI_2020, SRI_2019, SRI_2018

## II). LISTĂ CITĂRI:

| Nr. crt. | Articolul citat, referință bibliografică | Revista și articolul în care a fost citat | s_i | Lista SRI s_i max |
|---|---|---|---|---|
| 1 | C.-C. Todea, Symmetric algebras, skew category algebras and inverse semigroups, J. Algebra 369 (2012), 226-234. | **Semigroup Forum:** L.G. Cordeiro, Étale inverse semigroupoids: elementary properties, universal constructions and duality, Semigroup Forum 106 (2023), 67-127. 10.1007/s00233-022-10329-8 | **0,682** | 2019 |
| 2 | C.-C. Todea, A theorem of Mislin for cohomology of fusion systems and applications to block algebras of finite groups, Expo. Math. 33 (2015), 526-534. | **Communications in Algebra:** M. Linckelmann, Quillen's stratification for fusion systems, Comm. Alg. 45, (2017) Issue 12, 5227-5229. 10.1080/00927872.2017.1301461 | **0,659** | 2022 |
| 3 | C.-C. Todea, A theorem of Mislin for cohomology of fusion systems and applications to block algebras of finite groups, Expo. Math. 33 (2015), 526-534.*(varianta arxiv)* | **Communications in Algebra**: S. Park, Mislin's theorem for fusion systems through Mackey functors, Communications in Algebra 45, (2017) - Issue 4, 1409-1415. 10.1080/00927872.2016.1175607 | **0,659** | 2022 |
| 4 | C.-C. Todea, A theorem of Mislin for cohomology of fusion systems and applications to block algebras of finite groups, Expo. Math. 33 (2015), 526-534. | **Journal of Algebra and its Applications**: E. Henke, J. Liao, Control of fusion by abelian subgroups of the hyperfocal subgroup, J. of Algebra and its Appl. 17 (02), (2018), (11 pages). 10.1142/S021949881850024X | **0,715** | 2022 |
| 5 | T. Coconet, C.-C. Todea, The extended Brauer quotient of N-interior G-algebras, J. Algebra 396 (2013), 10-17. | **Journal of Algebra**: T. Coconet, A. Marcus, Group graded basic Morita equivalences, J. of Algebra 489, 1 November (2017), 1-24. 10.1016/j.jalgebra.2017.06.019 | **1,195** | 2022 |
| 6 | T. Coconet, C.-C. Todea, The extended Brauer quotient of N-interior G-algebras, J. Algebra 396 (2013), 10-17. | **Journal of Algebra**: T. Coconet, A. Marcus, Remarks on the extended Brauer quotient, J. of Algebra 491, 1 December (2017), 78-89. 10.1016/j.jalgebra.2017.08.004 | **1,195** | 2022 |
| 7 | C.-C. Todea, Symmetric cohomology of groups as a Mackey functor, Bull. Belg. Math. Soc. Simon Stevin 22 (2015), 49-58. | **Journal of Algebra**: M. Pirashvili, Symmetric cohomology of groups, J. of Algebra 509, 1 September (2018), 397-418. 10.1016/j.jalgebra.2018.05.020 | **1,195** | 2022 |
| 8 | C.-C. Todea, Symmetric cohomology of groups as a Mackey functor, Bull. Belg. Math. Soc. Simon Stevin 22 (2015), 49-58. | **Homology Homotopy and Applications**: M. Pirashvili, Crossed modules and symmetric cohomology of groups, HHA 22, No. 2 (2020), 123-134. 10.4310/HHA.2020.v22.n2.a7 | **1,225** | 2019 |
| 9 | C.-C. Todea, Symmetric cohomology of groups as a Mackey functor, Bull. Belg. Math. Soc. Simon Stevin 22 (2015), 49-58. | **International Journal of Algebra and Computation**: V.G. Bardakov, M. V. Neschadim, M. Singh, Exterior and symmetric (co)homology of groups, International Journal of Algebra and Computation 30, No. 08 (2020), 1577-1607. 10.1142/S021819672050055 | **1,024** | 2018 |

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|---|---|---|---|---|
| 10 | C.-C. Todea, Symmetric cohomology of groups as a Mackey functor, Bull. Belg. Math. Soc. Simon Stevin 22 (2015), 49-58. | **Journal of Algebra:** M. Pirashvili, T. Pirashvili, Symmetric cohomology of groups and Poincare duality, J. of Algebra 614, 15 January (2023), 177-198. 10.1016/j.jalgebra.2022.09.015 | **1,195** | 2022 |
| 11 | T. Coconet, A. Marcus, C.-C. Todea, Frobenius induction for algebras, Comm. Algebra 45 (4) (2017), 1542-1557. | **Algebras and Representation Theory:** L. Kadison, An In-Depth Look at Quotient Modules, Algebr. Repres. Theor. 23 (2020), 7–32. 10.1007/s10468-018-9835-z | **1,137** | 2018 |
| 12 | C.-C. Todea, On some saturated triples and hyperfocal subgroups, J. of Algebra 499 (2018), 358-374. | **Rocky Mountain Journal of Mathematics:** B. Sambale, A survey on perfect isometries, Rocky Mountain J. Math. 50(5) (2020), 1517-1539. 10.1216/rmj.2020.50.1517 | **0,616** | 2022 |
| 13 | T. Coconet, A. Marcus, C.-C. Todea, Fusions and Clifford extensions, J. of Gr. Theory 22 (1) (2019), 169-190. | **Journal of Group Theory:** A. Marcus, Group graded basic Morita equivalences and the Harris–Knörr correspondence, J. of Group Theory 23 (2020), 697-708. 10.1515/jgth-2019-0132 | **0,963** | 2021 |
| 14 | T. Coconet, A. Marcus, C.-C. Todea, Block Extensions, Local Categories and Basic Morita Equivalences, The Quarterly Journal of Math. 71 (2) (2020), 703-728. | **Journal of Group Theory**: A. Marcus, Group graded basic Morita equivalences and the Harris–Knörr correspondence, J. of Group Theory 23 (2020), 697-708. 10.1515/jgth-2019-0132 | **0,963** | 2021 |
| 15 | T. Coconet, C.-C. Todea, Symmetric Hochschild cohomology of twisted group algebras, Homology Homotopy and Appl. vol 24 (1) (2022), 93-115. | **Journal of Algebra**: M. Pirashvili, T. Pirashvili, Symmetric cohomology of groups and Poincare duality, J. of Algebra 614, 15 January (2023), 177-198. 10.1016/j.jalgebra.2022.09.015 | **1,195** | 2022 |
| 16 | C.-C. Todea, Nontriviality of the first Hochschild cohomology of some block algebras of finite groups, J. of Pure and Appl. Alg. 227 (2) (2023), 107192 | **Research in the Mathematical Sciences:** D. Benson, R. Kessar and M. Linckelmann, Hochschild cohomology of symmetric groups and generating functions, II, Res. Math. Sci. 10 (2) June (2023), 10-20. 10.1007/s40687-023-00382-2 | **2,121** | 2021 |
| 17 | C.-C. Todea, Nontriviality of the first Hochschild cohomology of some block algebras of finite groups, J. of Pure and Appl. Alg. 227 (2) (2023), 107192 | **Algebras and Representation Theory:** W. Murphy, The nonvanishing first Hochschild cohomology of twisted finite simple group algebras, Alg. and Repres. Th. 26, 11 January (2023), 2801-2818. 10.1007/s10468-022-10195-6 | **1,137** | 2018 |
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| | **TOTAL:** **C=17** | | | |

STANDARDE MINIMALE ABILITARE:  C>=12;

C= numărul de citări din articole din reviste științifice care au maximul factorilor SRI mai mare sau egal cu 0,5, care citează articole științifice publicate de candidat ca autor sau coautor. Nu se iau în considerare citările provenind din articole care au ca autor sau coautor candidatul.