

SATISFACEREA CRITERIILOR MINIMALE

IOANA LEUȘTEAN

Punctaj total: 174 + 246 + 85 = 505

Menționez că în calculul punctajului am folosit cea mai buna clasificare disponibilă în ambele seturi de liste (ianuarie 2013 și ianuarie 2014), conform precizărilor de pe <http://informatica-universitaria.ro/>.

PRODUȚIA ȘTIINȚIFICĂ (perspectiva b)

Categoria	Punctaj
A	80
B	32
C	22
Total:	174

Lucrări în jurnale de categoria A

Punctaj: 10*8=80

- (A10) S. Lapenta, I. Leuștean, Stochastic independence for probability MV-algebras, Fuzzy Sets and Systems, 298, 94206, 2016.
- (A9) S. Lapenta, I. Leuștean, Towards understanding the Pierce-Birkhoff conjecture via MV-algebras, Fuzzy Sets and Systems 276, 114-130, 2015.
- (A8) D.Diaconescu, T. Flaminio, I. Leuștean, Lexicographic MV-algebras and lexicographic states, Fuzzy Sets and Systems 244 (2014), 63-85.
- (A7) A. Di Nola, I. Leuștean, Łukasiewicz logic and Riesz spaces, Soft Computing, Volume 18, Issue 12, 2349-2363, 2014.
- (A6) I. Leuștean, Hahn-Banach theorems for MV-algebras, Soft Computing 16(11) (2012), 1845-1850.
- (A5) I. Leuștean, Metric completions of MV-algebras with states. An approach to stochastic independence, Journal of Logic and Computation 21, Issue 3 (2011), 493-508.
- (A4) P. Flondor, I. Leuștean, Tensor Products of MV-algebras, Soft Computing 7 (2003), 446-457.
- (A3) I. Leuștean, Local pseudo-MV algebras, Soft Computing 5 (2001), no.5, 386-395.
- (A2) G. Georgescu, I. Leuștean, Towards a probability theory based on Moisil logic, Soft Computing 4 (2000), no.1, 19-26.
- (A1) G. Georgescu, I. Leuștean, Probabilities on Łukasiewicz-Moisil algebras, International Journal of Approximate Reasoning 18 (1998), no.3-4, 201-215.

Lucrări în jurnale de categoria B

Punctaj: $8 \cdot 4 = 32$

- (B8) S. Lapenta, I. Leuştean, Scalar extensions for algebraic structures of Lukasiewicz logic, *Journal of Pure and Applied Algebra* 220, 1538-1553, 2016
- (B7) D.Diaconescu, I. Leuştean, Mutually exclusive nuances of truth in Moisil logic, *Scientific Annals of Computer Science "Alexandru Ioan Cuza" Univ. of Iasi*, vol. 25, 69-88, 2015
- (B6) B. Gerla, I. Leuştean, Similarity MV-algebras, *Fundamenta Informaticae* 69 (2006), no. 3, 287-300.
- (B5) G. Georgescu, I. Leuştean, A representation theorem for monadic Pavelka algebras, *Journal of Universal Computer Science* 6 (2000), no. 1, 105-111.
- (B4) I. Leuştean, A determination principle for algebras of n -valued Lukasiewicz logic, *Journal of Algebra* 320 (2008), 3694- 3719.
- (B3) P. Flondor, I. Leuştean, MV-algebras with operators: the commutative and the non-commutative case, *Discrete Mathematics* 274 (2004), no. 1-3, 41-76.
- (B2) A. Di Nola, P. Flondor, I. Leuştean, MV-modules, *Journal of Algebra* 267 (2003), no.1, 21-40.
- (B1) G. Georgescu, I. Leuştean, Convergence in perfect MV-algebras, *Journal of Mathematical Analysis and Application* 228 (1998), no.1, 96-111.

Lucrări în jurnale/conferințe de categoria C

Punctaj: $11 \cdot 2 = 22$

- (C11) S. Lapenta, I. Leuştean, A general view on normal form theorems for Lukasiewicz logic with product, to appear in "Concepts of Proof in Mathematics, Philosophy and Computer Science". Dieter Probst and Peter Schuster (eds.). *Ontos Mathematical Logic*. Walter de Gruyter, Berlin.
- (C10) D. Diaconescu, I. Leuştean, The Riesz MV-algebra hull of an MV-algebra, *Mathematica Slovaca* 65(4) (2015), 801816, 2015
- (C9) B.Gerla, A.Di Nola, I. Leuştean, Adding Real Coefficients to Lukasiewicz Logic: An Application to Neural Networks, F. Masulli, G. Pasi, and R. Yager (Eds.): *WILF 2013, LNCS 8256*, pp. 7785, 2013. *renumerotat si adaugat punctele*
- (C8) I. Leuştean, State-complete Riesz MV-algebras and L-measure spaces, S. Greco et al. (Eds.): *IPMU 2012, Part II, CCIS 298*, 226-234.
- (C7) I. Leuştean, Tensor products of probability MV-algebras, *Journal of Multiple-Valued Logic and Soft Computing* 16, No. 3-5 (2010), 405-419.
- (C6) I. Leuştean, α -convergence and complete distributivity in MV-algebras, *Journal of Multiple-Valued Logic and Soft Computing*, *Journal of Multiple-Valued Logic and Soft Computing* 12 (2006), no. 3-4, 309-315.

- (C5) G. Georgescu, I. Leuştean, A. Popescu, Order convergence and distance on Łukasiewicz-Moisil algebras, *Journal of Multiple-Valued Logic and Soft Computing* 12 (2006), no. 1-2, 33-69.
- (C4) I. Leuştean, Non-commutative Łukasiewicz propositional logic, *Archive for Mathematical Logic* 45 (2006), no. 2, 191-213.
- (C3) B. Gerla, I. Leuştean, Many-valued logics and similarities, *Proceedings of the 10th International Conference IPMU (Information Processing and management of Uncertainty in Knowledge-Based Systems)*, July 4-9, 2004, Perugia, Italy, 477-484, 2004.
- (C2) R. Ball, G. Georgescu, I. Leuştean, Cauchy completions of MV-algebras, *Algebra Universalis* 47 (2002), 367-407.
- (C1) G. Georgescu, A. Iorgulescu, I. Leuştean, Monadic and closure MV-algebras, *International Journal of Multiple-Valued Logic* 3 (1998), no.3, 235-257.

Ioana Leuştean

IMPACT (perspectiva c)

Punctaj:

Citari in forum de tip	Punctaj
A	184
Total:	246

- Lucrarea (A9) este citată în: [Punctaj: 8]
 - A) L. Běhounek, P. Cintula, C. Fermuller, T. Kroupa, Representing strategic games and their equilibria in many-valued logics, *Logic Jnl IGPL* 24 (3): 238-267, 2016.

- Lucrarea (A8) este citată în: [Punctaj: 19]
 - D) A. Dvurečenskij, Lexicographic pseudo MV-algebras, *Journal of Applied Logic*, Volume 13, Issue 4, Part 3, December 2015, Pages 825841
 - A) A Dvurečenskij, Riesz decomposition properties and the lexicographic product of po-groups, *Soft Computing* 20, pp 21032117, 2016
 - C) A Dvurečenskij, Lexicographic effect algebras *Algebra universalis*, 75, Issue 4, pp 451480, 2016
 - A) A. Dvurečenskij, Pseudo MV-algebras and lexicographic product, *Fuzzy Sets and Systems*, 2015, doi:10.1016/j.fss.2015.09.024

- Lucrarea (A7) este citată în: [Punctaj: 6]
 - B) D. Mundici, A Geometric Approach to MV-Algebras, On Logical, Algebraic, and Probabilistic Aspects of Fuzzy Set Theory 336 of the series *Studies in Fuzziness and Soft Computing* pp 57-70, Springer, 2016.
 - C) E Marchioni, Some Notes on Elimination Properties for The Theory of Riesz MV-Chains, *Mathematica Slovaca*. Volume 65, Issue 4, Pages 789800, 2015

- Lucrarea (A5) este citată în: [Punctaj: 8]
 - A) Zhou, Hongjun; Zhao, Bin, Generalized Bosbach and Riecan states based on relative negations in residuated lattices , *FUZZY SETS AND SYSTEMS* 187 Issue: 1 Pages: 33-57, 2012

- Lucrarea (A3) este citată în: [Punctaj: 44]
 - A) W.Chen, B. Davvaz, Some classes of quasi-pseudo-MV algebras, *Logic Journal of the IGPL*, 2016, doi: 10.1093/jigpal/jzw034
 - B) A. Dvurečenskij, On n-perfect GMV-algebras, *Journal of Algebra*, Volume 319, Issue 12, 15 June 2008, Pages 4921-4946
 - C) A. Di Nola, A. Dvurečenskij, C. Tsinakis, Perfect GMV-algebras, *Communications in Algebra*, Volume 36, Issue 4, 2008, Pages 1221 - 1249.

- D) L.C. Ciungu, Some classes of pseudo-MTL algebras, *Bulletin Mathematique de la Societe des Science Mathematiques de Roumanie* 50 (2007), no. 3, 223-247.
- A) J. Rachunek, D. Šalounová, A generalization of local fuzzy structures, *Soft Computing* 11 (2007), no. 6, 565-571.
- D) D. Piciu, Pseudo-MV algebra of fractions and maximal pseudo-MV algebra of quotients. *Central European Journal of Mathematics* 2 (2004), no. 2, 199-217.
- A) X.-h. Zhang, W. H. Li, On pseudo-BL algebras and BCC-algebras, *Soft Computing* 10 (2006), no. 8, 657-664.
- A) R. Ceterchi, Weak pseudo-Wajsberg and weak pseudo MV-algebras, *Soft Computing* 5 (2001), no. 5, 334-346.
- D) J. Jakubik, Direct product decompositions of pseudo MV-algebras, *Archivum Mathematicum (Brno)* 37 (2001), 131-142.
- C) A. Dvurečenskij, W. Ch. Holland, Komori's characterization and top varieties of GMV-algebras, *Algebra Universalis*, Volume 35, Issue 11, 2007, Pages 3370 - 3390.
- D) G. Dymek, A. Walendziak, SEMISIMPLE, ARCHIMEDEAN, AND SEMILOCAL PSEUDO MV-ALGEBRAS, *Scientiae Mathematicae Japonicae Online*, e-2007, 315324
- Lucrarea (B6) este citată în: [Punctaj: 8]
 - A) V Novak, B. De Baets, EQ-algebras, *Fuzzy Sets and Systems*, 2009, Volume 160, Issue 20, 16 October 2009, Pages 2956-2978
 - Lucrarea (B3) este citată în: [Punctaj: 12]
 - A) Rachunek J, Salounova D ,State operators on GMV algebras ,SOFT COMPUTING Volume: 15 Issue: 2 Pages: 327-334 Published: FEB 2011
 - B) Di Nola A, Dvurecenskij A, State-morphism MV-algebras, ANNALS OF PURE AND APPLIED LOGIC Volume: 161 Issue: 2 Special Issue: Sp. Iss. SI Pages: 161-173 Published: NOV 2009
 - Lucrarea (B2) este citată în: [Punctaj: 7]
 - C) Wojciechowski, Piotr J., PMV-Algebras of Matrices, ,JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING Volume: 16 Issue: 1-2 Pages: 37-43, 2010
 - D) Y.C. Kim, J.W. Park, Pseudo MV-algebras induced by functions, *International Mathematical Forum* 4, 2009, no.2, 89-99.
 - B) V. Marra, D. Mundici, Lukasiewicz logic and Chang's MV-algebras in action, in: V. F. Hendricks, J. Malinowski (Editors), *Trens in Logic: 50 Years of Studia Logica*, Trends in Logic (Vol. 20), Kluwer, Dordrecht, 2003, 129-176.
 - Lucrarea (B1) este citată în: [Punctaj: 13]
 - A) Zhou, Hongjun; Zhao, Bin, Generalized Bosbach and Riecan states based on relative negations in residuated lattices , *FUZZY SETS AND SYSTEMS* 187 Issue: 1 Pages: 33-57, 2012

- B) A. Dvurečenskij, S. Pulmanová, *New Trends in Quantum Structures*, Kluwer, Dordrecht; Ister Science, Bratislava, 2000.
- D) L. Ciungu, Convergences in perfect BL-algebras, *Mathware & Soft Computing* 14 (2007) 67-80
- Lucrarea (C10) este citată în: [Punctaj: 8]
 - A) A. Di Nola, G. Lenzi, G. Vitale RieszMcNaughton functions and Riesz MV-algebras of nonlinear functions, *Fuzzy Sets and Systems*, 2016, <http://dx.doi.org/10.1016/j.fss.2016.03.003>
 - Lucrarea (C6) este citată în: [Punctaj: 1]
 - D) L. Ciungu, Convergences in perfect BL-algebras, *Mathware & Soft Computing* 14 (2007) 67-80
 - Lucrarea (C5) este citată în: [Punctaj: 1]
 - D) L. Ciungu, Convergences in perfect BL-algebras, *Mathware & Soft Computing* 14 (2007) 67-80
 - Lucrarea (C4) este citată în: [Punctaj: 68]
 - A) W.Chen, B. Davvaz, Some classes of quasi-pseudo-MV algebras, *Logic Journal of the IGPL*, 2016, doi: 10.1093/jigpal/jzw034
 - A) Dvurečenskij, Anatolij; Rachunek, Jiri; Salounova, Dana , State operators on generalizations of fuzzy structures , *FUZZY SETS AND SYSTEMS* Volume: 187 Issue: 1 Pages: 58-76 2012
 - A) Rachunek J, Salounova D ,Extremal states on bounded residuated l-monoids with general comparability , *SOFT COMPUTING* 15 Issue: 1 Special Issue: Sp. Iss. SI Pages: 199-203 , 2011
 - A) Rachunek J, Salounova D,State operators on GMV algebras, *SOFT COMPUTING* Volume: 15 Issue: 2 Pages: 327-334 Published: FEB 2011
 - C) J. Rachunek, D. Salounova, Monadic GMV-algebras, *Archive for Mathematical Logic*, Volume 47, Number 3 / July, 2008, 277-297.
 - D) I. Chajda, J. Kühr, Join-semilattices whose sections are residuated po-monoids, *Czechoslovak Mathematical Journal* 58(133)(2008), 1107-1127.
 - D) P. Emanovský, J. Rachunek, A non commutative generalization of *-autonomous lattices, *Czechoslovak Mathematical Journal* 58(133)(2008),725-740.
 - A) ZD. Wang, JX. Fang, On ν -filters and normal ν -filters of a residuated lattice with a weak νt -operator, *Information Sciences* 178 (17)(2008), 3465-3473.
 - A) J. Rachunek, D. Šalounová, Fuzzy filters and fuzzy prime filters of bounded Rl-monoids and pseudo Bl-algebras, *Information Sciences* 178 (17)(2008), 3474-3481.
 - A) X.H. Zhang, X.S. Fan, Pseudo BL-algebras and pseudo-effect algebras, *Fuzzy Sets and Systems* 159 (2008), 95-106.
 - A) J. Rachunek, D. Šalounová, A generalization of local fuzzy structures, *Soft Computing - A Fusion of Foundations, Methodologies and Applications* 11 (2007), no. 6, 565-571.
 - Lucrarea (C2) este citată în: [Punctaj: 18]

- C) S. Cernak, J. Lihova, On a relative uniform completion of an archimedean lattice ordered group, *Mathematica Slovaca* 59 (2) (2009), 231-250.
- C) N.V. Subrahmanyam, Bricks and pseudo-MV-algebras are equivalent, *Mathematika Slovaca* 58(2)(2008), 131-142.
- B) V. Marra, D. Mundici, Lukasiewicz logic and Chang's MV-algebras in action, in: V. F. Hendricks, J. Malinowski (Editors), *Trens in Logic: 50 Years of Studia Logica*, Trends in Logic (Vol. 20), Kluwer, Dordrecht, 2003, 129-176.
- C) D. Buşneag, D. Piciu, Localization of MV-algebras and lu -groups, *Algebra Universalis* 50 (2003), no. 3-4, 359-380.
- A) Štefan Černák, Convergence with a fix regulator in lattice ordered groups and applications to MV-algebras, *Soft Computing* 12(5) (2008),453-462.
- Lucrarea (C1) este citată în: [Punctaj: 15]
 - C) J. Rachunek, D. Salounova, Monadic GMV-algebras, *Archive for Mathematical Logic*, Volume 47, Number 3 / July, 2008, 277-297.
 - D) J. Rachunek, F. Švrček, Monadic Bounded Commutative Residuated ℓ -monoids, *Order* 25 (2008), 157-175.
 - D) L. P. Belluce, R. Grigolia, A. Lettieri, Representations of monadic MV -algebras, *Studia Logica* 81 (2005), no.1, 123-144.
 - D) M. B. Lattanzi, $(N + 1)$ -bounded Wajsberg algebras with a U -operator, *Reports on Mathematical Logic* 39 (2005), 89-111.
 - C) M. B. Lattanzi, Wajsberg algebras with a U -operator, *Journal of Multiple-Valued Logic and Soft Computing* 10 (2004), no. 4, 315-338.
 - B) A. Di Nola, R. Grigolia, On monadic MV-algebras, *Annals of Pure and Applied Logic*, 128 (2004), no. 1-3, 125-139.
 - B) R. Cignoli, I.M.L. D'Ottaviano, D. Mundici, *Algebraic Foundations of many-valued Reasoning*, Kluwer, Dordrecht, 2000.
 - Lucrarea (D4) este citată în: [Punctaj: 10]
 - C) G. Georgescu, A. Popescu, A new class of probabilities on Lukasiewicz-Moisil algebras, *Journal of Multiple-Valued Logic and Soft Computing* 12 (2006), no. 3-4, 337-354.
 - A) R. Frič, Measures on MV-algebras, *Soft Computing* 7 (2002), no. 2, 130-137.

Ioana Leuştean

PERFORMANȚA ACADEMICĂ (perspectiva d)

Punctaj: 85 pct

- Carti autori/editate si capitole publicate: **1 pct**

1. A. Di Nola, I. Leustean, Łukasiewicz logic and MV-algebras, P. Cintula, P. Hajek, C. Noguera (eds.), Handbook of Mathematical Fuzzy Logic - volume 2, Studies in Logic, Vol. 38, College Publications, London, 469-583, 2011.

- Editor proceedings la conferinte: **1 pct**

1. Algebra and Probability in Many-Valued Reasoning Special issue. Studia Logica Volume 94, No. 2, 2010. Edited by Ioana Leustean and Vincenzo Marra.

- Publicarea unui curs universitar in format electronic: **8 pct**

Logica Matematica si Computationala, Programare Logica, Tehnici Web, Implementarea Concurentei in Limbaje de Programare

Materiale disponibile la adresa

<https://sites.google.com/site/igleustean/teaching>

- Editor al revistei "Soft Computing" (de tip A in 2013): **24 pct**

<http://link.springer.com/journal/500>

- Director (coordonator/responsabil) — membru al unui grant/proiect/contract/ program de cercetare:

1. Grant national PN-II-RU-TE-2014-4-0730 (director) **6**
2. Grant national POSDRU/89/1.5/S/58852 (director) **2**

- Organizare evenimente: **3 pct**

1. Special session "*Automata, logic and infinite games*" at Computability in Europe CiE 2015, Bucharest, Romania, June 29 July 3, 2015 (with Dietmar Berwanger)
2. Special session "*Formal Methods to Deal with Uncertainty of Many-Valued Events*", IPMU 2012, Catania, Italy, July 9-13, 2012 (with Tommaso Flaminio and Enrico Marchioni)
3. "*Algebra and Probability in Many-Valued Logics*", May 7-9, 2009, Darmstadt, Germany (financed by Alexander von Humboldt Foundation)

- Keynote/invited speaker la evenimente/universitati:

1. Soft Computing Days 2016, Salerno, Italy, May 23-25, 2016 <http://logica.dmi.unisa.it/workshop-soft-computing-days/>
(eveniment University of Salerno) **1 pct**

2. Beyond True and False: Logic, Algebra and Topology, Florence, Italy, December 3-5, 2014 <http://local.disia.unifi.it/Beyond2014/>
(eveniment Universit degli Studi di Firenze, World Rank 263) **2 pct**
 3. 35th Linz Seminar on Fuzzy Set Theory,
Linz, Austria, February 18-22, 2014.
<http://www.f111.jku.at/div/research/linz2014/index.html>
(conferinta de tip D) **1 pct**
 4. "Proof", An International Conference within the Frame of Humboldt Kollegs, Bern, Switzerland,
September 9-13, 2013.
http://www.humboldt-kolleg.iam.unibe.ch/hb_main.html
(eveniment University of Bern, World Rank 182) **4 pct**
 5. Anniversary Conference: Faculty of Science 150 years,
Bucharest, Romania, August 29-September 1, 2013
<http://fmi.unibuc.ro/FMI-150/>
(eveniment local) **1 pct**
 6. "ManyVal12", Salerno, Italy, July 4-7, 2012.
<http://logica.dmi.unisa.it/manyval12/>
(conferinta de tip D) **1 pct**
 7. "Logic, Algebra and Truth Degrees" (LATD 2010), Prague, September 7-11, 2010.
<http://www.mathfuzzlog.org/latd2010/index.php>
(conferinta de tip D) **1 pct**
 8. "Probability, Uncertainty and Rationality", Pontignano, Siena, Italy, November 1-3, 2009.
<http://homepage.sns.it/hosni/lori/events/pura09/>
(eveniment Scuola Normale Superiore di Pisa) **1 pct**
 9. "Independence for probability MV-algebras", AG1 Seminar, Department of Mathematics, Darmstadt University of Technology, Germany, June 6, 2008.
(eveniment TU Darmstadt, World Rank 324) **2 pct**
 10. "Rings, modules and Riesz spaces in the theory of MV-algebras", AG1 Seminar, Department of Mathematics, Darmstadt University of Technology, Germany, December 7, 2007. (eveniment Technische Universitat Darmstadt, World Rank 324) **2 pct**
- Profesor/researcher asociat/visiting la o universitate: **24 pct**
 1. Bursa "Alexander von Humboldt" la Technische Universitat Darmstadt (World Rank 324) 24 luni = $24 \cdot 2 = 48$ puncte
 - Premiul "Grigore Moisil" pentru anul 2008, acordat in 2010. ??