

**FIȘĂ DE AUTOEVALUARE ȘI DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR
MIMINALE NECESARE ȘI OBLIGATORII PENTRU CONFERIREA TITLURILOR
DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR ȘI A GRADELOR PROFESIONALE DE
CERCETARE – DEZVOLTARE**

CALCULATOARE, TEHNOLOGIA INFORMAȚIEI ȘI INGINERIA SISTEMELOR

Nume prenume candidat: Talmaciu Mihai

Grad didactic: profesor

Domeniul: Tehnologia Informației

Departament: Matematică, Informatică și Științele Educației

Facultatea: Științe

Universitatea „Vasile Alecsandri” din Bacău

1. Structura activității candidatului

Activitatea didactică și profesională (A1)

Nr. crt.	Elemente de identificare ale lucrării	Subcategoria	Autoevaluare candidat
1.	Talmaciu, M. - A recognition algorithm and some optimization problems on weakly quasi-threshold graphs, Advanced Intelligent Computational Technologies and Decision Support, Systems Studies in Computational Intelligence, Publisher: Springer International Publishing, Editors: Roumen Kountchev, Barna Iantovics Volume 486, Series ISSN: 1860-949X, 2014, pp 211-217.	A1.1.1	25
2.	Mihai Talmaciu, Elena Nechita, and Barna Iantovics, On Confidentially Connected-Free Graphs, Book Title: Advances in Intelligent Analysis of Medical Data and Decision Support Systems, DOI: 10.1007/978-3-319-00029-9_16, Print ISBN: 978-3-319-00028-2, Online ISBN: 978-3-319-00029-9, Series Title: Studies in Computational Intelligence, Series Volume: 473, Series ISSN: 1860-949X, Publisher: Springer International Publishing, Editors: Roumen Kountchev, Barna Iantovics, 473, 2013, pp 179-187.	A1.1.1	25
3	Mihai Talmaciu and Elena Nechita, Optimization problems in diamond-free graphs, Advanced Computational Technologies, Editors: Călin Enăchescu, Florin Gheorghe Filip, Barna Iantovics, Romanian Academy Publishing House, 185-192, 2012, Bucharest, ISBN 978-973-27-2256-5.	A1.1.2	20
4	Mihai Talmaciu – Numerical Methods, Publishing House Tehnica-Info, Chișinău, 2005, ISBN: 9975-63-270-X.	A1.1.2	20
5	Mihai Talmaciu, Alina-Mihaela Patriciu – Numerical Calculus, Publishing House PIM, Iași, 2008, ISBN: 978-606-520-013-5.	A1.2.1	10
6	Mihai Talmaciu – Graphs’ Algorithmic, Publishing House ALMA MATER, Bacău, 2008, ISBN: 978-973-1833-76-7.	A1.2.1	10
7	Elena Nechita, Gloria Cerasela Crișan, Mihai Talmaciu – Parallel and Distributed Algorithms, Publishing House ALMA MATER, Bacău, 2007, ISBN: 978-973-8392-81-6.	A1.2.1	10
8	Mihai Talmaciu, Iulian Marius Furdu – Algorithms and Data Structures, Publishing House ALMA MATER, Bacău, 2008, ISBN: 978-973-1833-71-2.	A1.2.1	10
9	Mihai Talmaciu, Alina-Mihaela Patriciu, Recipiente numerice in Pascal si C, EduSoft, 2005, 973-87655-2-8	A1.2.1	10
10	Mihai Talmaciu, Metode numerice, Colecția Științe Inginerești, Alma Mater, 2007, ISBN 978-973-8392-98-4	A1.2.1	10
11	Mihai Talmaciu, Alina-Mihaela Patriciu, Analiză numerică cu exemple în limbajele C și Pascal, EduSoft, 2005, 973-87655-2-8	A1.2.1	10
TOTAL A1			160

EXPLICATII

A1.1.1 Carti/ monografii/ capitole ca autor; internationale

II. BOOKS (chapters of books) AND DIDACTIC MATERIAL (selected)

1. Talmaciu, M. - A recognition algorithm and some optimization problems on weakly quasi-threshold graphs, *Advanced Intelligent Computational Technologies and Decision Support, Systems Studies in Computational Intelligence*, Publisher: Springer International Publishing, Editors: Roumen Kountchev, Barna Iantovics Volume 486, Series ISSN: 1860-949X, 2014, pp 211-217.

2. Mihai Talmaciu, Elena Nechita, and Barna Iantovics, On Confidentially Connected-Free Graphs, Book Title: *Advances in Intelligent Analysis of Medical Data and Decision Support Systems*, DOI: 10.1007/978-3-319-00029-9_16, Print ISBN: 978-3-319-00028-2, Online ISBN: 978-3-319-00029-9, Series Title: *Studies in Computational Intelligence*, Series Volume: 473, Series ISSN: 1860-949X, Publisher: Springer International Publishing, Editors: Roumen Kountchev, Barna Iantovics , 473, 2013, pp 179-187.

Total A1.1.1: 25*2=50

A1.1.2 Carti/ monografii/ capitole ca autor; nationale

II. BOOKS (chapters of books) AND DIDACTIC MATERIAL (selected)

3. Mihai Talmaciu and Elena Nechita, Optimization problems in diamond-free graphs, *Advanced Computational Technologies*, Editors: Călin Enăchescu, Florin Gheorghe Filip, Barna Iantovics, Romanian Academy Publishing House, 185-192, 2012, Bucharest , ISBN 978-973-27-2256-5.

8. Mihai Talmaciu – Numerical Methods, Publishing House Tehnica-Info, Chișinău, 2005, ISBN: 9975-63-270-X.

Total A1.1.2 20*2=40

A1.2.1 Manuale didactice

II. BOOKS (chapters of books) AND DIDACTIC MATERIAL (selected)

4. Mihai Talmaciu, Alina-Mihaela Patriciu – Numerical Calculus , Publishing House PIM, Iași, 2008, ISBN: 978-606-520-013-5.

5. Mihai Talmaciu – Graphs' Algorithmic, Publishing House ALMA MATER, Bacău, 2008, ISBN: 978-973-1833-76-7 .

6. Elena Nechita, Gloria Cerasela Crișan, Mihai Talmaciu – Parallel and Distributed Algorithms, Publishing House ALMA MATER, Bacău, 2007, ISBN: 978-973-8392-81-6.

7. Mihai Talmaciu, Iulian Marius Furdu – Algorithms and Data Structures, Publishing House ALMA MATER, Bacău, 2008, ISBN: 978-973-1833-71-2 .

9. Mihai Talmaciu, Alina-Mihaela Patriciu, Recipiente numerice in Pascal si C, EduSoft, 2005, 973-87655-2-8, 98

10. Mihai Talmaciu, Metode numerice, Colecția Științe Inginerești, Alma Mater, 2007, ISBN 978-973-8392-98-4, 73 pag

11. Mihai Talmaciu, Alina-Mihaela Patriciu, Analiză numerică cu exemple în limbajele C și Pascal, EduSoft, 2005, 973-87655-2-8, 100

Total A1.2.1. 10*7=70

Factorul de impact al revistelor unde articolele au fost publicate ori citate:

- Computing and Informatics, ISSN 1335-9150, FI: 0,504
- Studies in Informatics and Control, ISSN 1220-1766, FI: 0,913
- Environmental Engineering and Management Journal, ISSN 1582-9596, FI: 1.065
- Analele Științifice ale Universității Ovidius Constanța - Seria Matematica, ISSN:1224-1784, FI: 0,333
- International Journal of Computers Communications & Control, ISSN 1841-9836, FI: 0,746
- Informatica, ISSN: 0868-4952, FI: 0,873
- Fluctuation And Noise Letters, ISSN: 0219-4775, FI: 0,811
- Discrete Optimization, ISSN: 1572-5286, FI: 0,696
- Theoretical Computer Science, ISSN:0304-3975, FI: 0,657
- Bulletin Mathématique de la Société des Sciences Mathématiques de Roumanie, ISSN: 1220-3874, FI : 0,521
- Bul. Științ. Univ. Baia Mare, Ser. B Matematică-Informatică (actual: Carpathian Journal of Mathematics), ISSN: 1584 – 2851, FI: 0.792
- MATERIALE PLASTICE , (FI:0,824)
- Lecture Notes in Computer Science, (FI:0,51)

Indexările unor reviste in care am publicat

- Scientific Annals of the “Alexandru Ioan Cuza” University of Iași, Computer Science
Scientific Annals of Computer Science is abstracted/indexed in:
SCOPUS, DBLP (Computer Science Bibliography), MathSciNet, EBSCO, ProQuest, Zentralblatt MATH, Index Copernicus, SCImago Journal&Country Rank, Collection of Computer Science Bibliographies, Open J-Gate, Ulrich's Periodicals Directory, Genamics JournalSeek.

- Bul. Stiint. Univ. Baia Mare, Ser. B Matematică-Informatică - indexed by:
Science Citation Index Expanded
SCOPUS
Mathematical Reviews
Zentralblatt MATH
- The Annal of the University “Dunărea de Jos” of Galați - indexed in:
Cambridge Scientific Abstracts (CSA)
EBSCO
- Studii si cercetari stiintifice – seria Matematica si Informatica, Bacau - indexata in:
AMS Digital Mathematics Registry (<http://www.ams.org/dmr/JournalList.html>)
Index Copernicus (<http://journals.indexcopernicus.com/passport.php?id=8224>)
EBSCO (www.ebscohost.com)
Ulrich’s Global Serials Directory (<http://ulrichsweb.serialssolutions.com>)
Zentralblatt MATH (<http://www.zentralblatt-math.org/zmath/en/journals/search/?an=00007066>)
MathSciNet (Mathematical Reviews) (<http://www.ams.org/mathscinet/>)
ProQuest (<https://www.proquest.com/en-US>), certificate document
- Acta Universitatis Apulensis - ALBA IULIA, - indexed and reviewed by
Mathematical Reviews and Zentralblatt für Mathematik
- Computer Science Journal of Moldova – indexat in:
- Mathematical Reviews și Zentralblatt MATH.
- ROMAI Journal - indexat in:
 1. Mathematical Reviews;
 2. Zentralblatt MATH;
 3. DOAJ, Directory of Open Access Journals;
 4. Google Scholar;
 5. Open-J Gate, A service by Informatics dedicated to the promotion of the Open Access movement for scholarly journals;
 6. Ulrich's Periodical Directory;
- Proceedings of Francophone Multidisciplinary Colloquium on Materials, Environment and Electronics - indexat în:
EBSCO, INDEX COPERNICUS, EIJSR
- Informatică Economică - indexata in:
Directory of Open Access Journal
Cabell's Directories of Publishing Opportunities
EBSCO (Business Source Complete)
ICAAP
Index Copernicus
Index of Information Systems Journals
Inspec
Open J-Gate
ProQuest Central
RePEc
Ulrich's Periodicals Directory
- BDI pentru Tehnologia Informatiei sunt cele recunoscute pe plan stiintific international precum (nelimitativ):
Scopus, IEEE Xplore, Science Direct, Elsevier, Wiley, ACM, DBLP, Springerlink, Engineering Village, Cabi, Emerald, CSA, Compendex, INSPEC, Google Scholar

Activitatea de cercetare (A2)

Nr. crt.	Elemente de identificare ale lucrării	Subcategoria	Autoevaluare candidat
1.	Mihai TALMACIU, Victor LEPIN, Algorithms for the Recognition of Net-free Graphs and for Computing Maximum Cardinality Matchings in Claw-free Graphs, Studies in Informatics and Control, ISSN 1220-1766, vol. 23 (2), pp. 183-188, 2014.	A2.1	$(25 + 20 * 0,913) / 2 = 21,63$
2.	Mihai Talmaciu, Elena Nechita, Barna Iantovics, Recognition and Combinatorial Optimization Algorithms for Bipartite Chain Graphs, Computing and Informatics, ISSN 1335-9150, Vol 32, No 2 , pp. 313-329, 2013.	A2.1	$(25 + 20 * 0,504) / 3 = 11,693$
3	Mihai Talmaciu, Determination of the Optimally Efficient Sets in Special Classes of Graphs, Studies in Informatics and Control, ISSN 1220-1766, vol. 21 (4), pp. 447-452, 2012.	A2.1	$(25 + 20 * 0,913) / 1 = 43,26$

4	Elena Nechita, Mihai Talmaciu, Carmen Muraru- A bayesian approach for the assessment of risk probability. Case study for digital risk probability, Environmental Engineering and Management Journal, 11(12), 2012, 2249-2256, ISSN 1582-9596 (factor de impact 2011: 1.004).	A2.1	$(25 + 20 * 1.065) / 3 = 16,72$
5	Talmaciu, M; Nechita, E, On partitionable, confidentially connected and unbreakable graphs, <i>Analele Scientifice ale Universitatii Ovidius Constanta - Seria Matematica</i> , ISSN (print:1224-1784; electronic:1844-0835), Vol:19, Issue:1, 2011, page: 263-273.	A2.1	$(25 + 20 * 0,333) / 2 = 15.63$
6	Nechita, E; Talmaciu, M; Timofti, I, et al., Study Concerning The Access To Online Educational Resources And The Use Of Online Collaborative Instruments, 6th International Seminar on the Quality Management in Higher Education, 2010, volume 2, page 567-570.	A2.1	$(25 + 20 * 0,25) / 4 = 7,5$
7	Talmaciu M., Nechita E., On Polar, Trivially Perfect Graphs, International Journal of Computers Communications & Control, ISSN 1841-9836, 5(5): 939-945, 2010.	A2.1	$(25 + 20 * 0,746) / 2 = 19,96$
8	Talmaciu M., Nechita E., Some Combinatorial Optimization Problems for <i>Weak-Bisplit Graphs</i> , SIC, 4, 2010, page 427-434.	A2.1	$(25 + 20 * 0,913) / 2 = 21,63$
9	Talmaciu, M., Nechita, E., Crisan, G.C. - A Recognition Algorithm for a Class of Partitionable Graphs that Satisfies the Normal Graph Conjecture, Studies In Informatics And Control, Vol. 18, Issue 4, Page. 349-354, 2009.	A2.1	$(25 + 20 * 0,913) / 3 = 14,42$
10	Talmaciu, M., Nechita, E. - An Algorithm For The Bisection Problem On Trivially Perfect Graphs, International Conference on Bi-Inspired Computational Methods Used for Difficult Problems Solving - Development of Intelligent and Complex Systems, Date: NOV 05-07, 2008 Petru Maior Univ, Tg Mures Romania & Romanian Acad Bucharest Romania, Advanced Bio-Inspired Computational Methods Pages: 87-93, 2008 (the short version of paper 12).	A2.1	$(25 + 20 * 0,25) / 2 = 15,00$
11	Nechita, E., Muraru, C.V., Talmaciu, M., Mechanisms In Social Insect Societies And Their Use In Optimization. A Case Study For Trail Laying Behavior, International Conference on Bi-Inspired Computational Methods Used for Difficult Problems Solving - Development of Intelligent and Complex Systems, Date: NOV 05-07, 2008 Petru Maior Univ, Tg Mures Romania & Romanian Academy Bucharest Romania, Advanced Bio-Inspired Computational Methods, Pages: 176-183, 2008 (the short version of paper 13).	A2.1	$(25 + 20 * 0,25) / 3 = 10,00$
12	Talmaciu, M., Nechita, E., An Algorithm for the Bisection Problem on Trivially Perfect Graphs, Conference Information: International Conference on Bio-Inspired Computational Methods Used for Difficult Problems Solving - Development of Intelligent and Complex Systems, Date: NOV 05-07, 2008 Petru Maior Univ, Tg Mures Romania & Romanian Acad Bucharest Romania, Source: BICS 2008: Proceedings Of The 1st International Conference On Bio-Inspired Computational Methods Used For Solving Difficult Problems-Development Of Intelligent And Complex Systems Volume: 1117 Pages: 60-66, 2008 (the long version of paper 10).	A2.1	$(25 + 20 * 0,25) / 2 = 15,00$
13	Nechita, E., Muraru, C.V., Talmaciu, M., Mechanisms in Social Insect Societies and their Use in Optimization. A Case Study for Trail Laying Behavior, Conference Information: International Conference on Bio-Inspired Computational Methods Used for Difficult Problems Solving - Development of Intelligent and Complex Systems, Date: NOV 05-07, 2008 Petru Maior University, Targu Mures Romania & Romanian Acad Bucharest ROMANIA, BICS 2008: Proceedings Of The 1st International Conference On Bio-Inspired Computational Methods Used For Solving Difficult Problems-Development Of Intelligent And Complex Systems Volume: 1117 Pages: 171-179, 2008 (the long version of paper 11).	A2.1	$(25 + 20 * 0,25) / 3 = 10,00$

14	Nechita, E., Crisan, G.C., Talmaciu, M., Cooperative Ant Colonies for Vehicle Routing Problem with Time Windows. A Case Study in the Distribution of Dietary Products, Conference Information: 12th World Multi-Conference on Systemics, Cybernetics and Informatics/14th International Conference on Information Systems Analysis and Synthesis, Date: Jun 29-Jul 02, 2008 Orlando FL, WMSCI 2008: 12th World Multi-Conference On Systemics, Cybernetics And Informatics, Vol V, Proceedings Pages: 48-52, 2008.	A2.1	$(25 + 20 * 0,25) / 3 = 10,00$
15	Talmaciu, M., Nechita, E., A Hybrid Algorithm for the Bisection Problem in O-graphs, Conference Information: 12th World Multi-Conference on Systemics, Cybernetics and Informatics/14th International Conference on Information Systems Analysis and Synthesis, Date: JUN 29-JUL 02, 2008 Orlando FL, WMSCI 2008: 12th World Multi-Conference On Systemics, Cybernetics And Informatics, Vol V, Proceedings Pages: 57-60, 2008.	A2.1	$(25 + 20 * 0,25) / 2 = 15,00$
16	Talmaciu, M., Nechita, E., Recognition algorithm for antenna-free graphs, International Journal Of Computers Communications & Control Volume: 3 Pages: 508-511, 2008.	A2.1	$(25 + 20 * 0,746) / 2 = 19,96$
17	Talmaciu, M., Nechita, E., Recognition algorithm for diamond-free graphs, Informatica, ISSN(print:0868-4952; online:1822-8844), Volume: 18, Issue:3, Pages: 457-462, 2007.	A2.1	$(25 + 20 * 0,873) / 2 = 21,23$
18	Crisan, G.C., Nechita, E., Talmaciu, M., How often does the Parrondo effect appear?, Fluctuation And Noise Letters, ISSN (print: 0219-4775, online: 1793-6780), Volume: 7 Issue: 2 Pages: C19-C25, 2007.	A2.1	$(25 + 20 * 0,811) / 3 = 13,74$
19	Crisan, GC; Nechita, E; Talmaciu, M, et al., Using centrality indices in Ant Systems, International Journal Of Computers Communications & Control Volume: 1 Pages: 146-149, 2006.	A2.1	$(25 + 20 * 0,746) / 4 = 9,98$
20	Nechita, E., Talmaciu, M., Crisan, G.C., Recognizing dart-free graphs, International Journal Of Computers Communications & Control Volume: 1 Pages: 332-335, 2006.	A2.1	$(25 + 20 * 0,746) / 3 = 13,307$
21	E. Olaru, M. Talmaciu, A Class of Partitionable Graphs, Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie, volume 48 (96), no. 3/2005, ISSN: 1220-3874, 313-317.	A2.1	$(25 + 20 * 0,521) / 2 = 17,71$
22	C. Croitoru, M. Talmaciu, On Confidentially connected graphs, Bul. Stiint. Univ. Baia Mare, Ser. B Matematică-Informatică (actual: Carpathian Journal of Mathematics), Vol. VI(2000), Second International Conference on Applied Mathematics, October 2000, Nr.1, ISSN: 1584 – 2851, 13-16.	A2.1	$(25 + 20 * 0.792) / 2 = 20,42$
	TOTAL A2.1		363,79
24	M. Talmaciu, On a k-clique-join of a class of partitionable graphs, Computer Science Journal of Moldova, vol. 13, no. 1(37), 2005, 37-46.	A2.2	$20 / 1 = 20$
25	C. Croitoru, C. Frăsinaru, E. Olaru, M.Talmaciu, Hardly perfect graphs, Scientific Annals of the “Alexandru Ioan Cuza” University of Iași, Computer Science Section, ISSN: 1843 – 8121, Tome XIV, 2004, 12-22.	A2.2	$20 / 4 = 5$
26	C. Croitoru, E. Olaru, M. Talmaciu, A new class of perfect graphs : Locally $\{C_5, C_5 \pm e\}$ -free, Scientific Studies and Research, Nr. 12, 97-104, Mathematics Series, University of Bacău, 2002.	A2.2	$20 / 3 = 6,66$
27	C. Croitoru, E. Olaru, M. Talmaciu, Visibility properties and forbidden holes in graphs, Scientific Annals of the “Alexandru Ioan Cuza” University of Iași, Computer science Section, ISSN: 1843 – 8121, Tome X, 2001, 45-53.	A2.2	$20 / 3 = 6,66$
28	C. Croitoru, E. Olaru, M. Talmaciu, Confidentially connected graphs, The Annal of the University “Dunărea de Jos” of Galați, Fascicle II, Mathematics, Physics, Theoretical Mechanics, Supplement to Tome XVIII (XXIII) 2000, Proceedings of the International Conference “The Risk in	A2.2	$20 / 3 = 6,66$

	Contemporary economy”, “Section Mathematical Models and Method in Economy”, 17-18.		
29	Mihai Talmaciu, Fast algorithms of dually chordal graphs, Scientific Studies and Research, Series Mathematics and Informatics, Vol. 25 (2015), No. 1, 77-86.	A2.2	20/1=20
30	Mihai Talmaciu, Combinatorial Optimization Algorithms for P_4 -Sparse Graphs, ROMAI J., v.10, no.2(2014), 169–174.	A2.2	20/1=20
31	M. Talmaciu, On {claw,antenna,net}-free graphs, Scientific Studies and Research, Series Mathematics and Informatics, Vol. 24 (2014), No. 1, 129 –139.	A2.2	20/1=20
32	Mihai Talmaciu, Investigations on the bisection problem, Scientific Studies and Research, Series Mathematics and Informatics, Vol. 23 (2013), No. 1, 171-178	A2.2	20/1=20
33	Mihai Talmaciu, Verification on the normal graph conjecture on particular classes of graphs, Scientific Studies and Research, Series Mathematics and Informatics, Vol. 23 (2013), No. 1, 179-186.	A2.2	20/1=20
34	Mihai Talmaciu, Optimization Problems On Quasi-Threshold Graphs, Scientific Studies and Research, Series Mathematics and Informatics, Vol. 21 (2011), No. 1, 225 – 232.	A2.2	20/1=20
35	Talmaciu, M., Nechita, E. - Optimization problems on threshold graphs, Acta Universitatis Apulensis, ISSN 1582-5329, 2011, Special Issue on Understanding Complex Systems, Eds. Barna Iantovics, Ladislav Hluchy and Roumen Kountchev, 62-73.	A2.2	20/2=10
36	Mihai Talmaciu - The normal graph conjecture is true for minimal unbreakable graphs, Scientific Studies and Research, Series Mathematics and Informatics, Proceedings of „Gheorghe Vranceanu” International Conference on Mathematics and Informatics ICMI 2, Bacău, 445-454, 2009.	A2.2	20/1=20
37	Doina Păcurari, Mircea Muntean, Mihai Talmaciu – Combinatorial optimization algorithms for polar graphs and their application in finance, , Scientific Studies and Research, Series Mathematics and Informatics, Proceedings of „Gheorghe Vranceanu” International Conference on Mathematics and Informatics ICMI 2, Bacău, 493-498, 2009.	A2.2	20 / 3 = 6,66
38	Talmaciu, M., Nechita, E. - A recognition algorithm for bull-free graphs, University of Bacău, Scientific Studies and Research*), Proceedings of Conference of Mathematics and Informatics Bacău, 2007, pag. 233-243.	A2.2	20/2=10
39	Talmaciu, M., Nechita, E. - A recognition algorithm for trivially perfect graphs, University of Bacău, Scientific Studies and Research *), Proceedings of Conference of Mathematics and Informatics Bacău, 2007, pag. 245-250.	A2.2	20/2=10
40	Talmaciu, M. - On the quasi-weakly decomposition of graphs, University of Bacău, Scientific Studies and Research *), 17 (2007), Mathematics’ Series, pag.237-246.	A2.2	20/1=20
41	Talmaciu, M., Croitoru C. - Structural Graph Search, Scientific Studies and Research *), Proceedings of International Conference on Mathematics and Informatics ICMI 45, Bacău, 573-588, 2006.	A2.2	20/2=10
	TOTAL A2.2		251,66
41	Decomposition of graphs and solving discrete optimization problems - Bilateral Cooperation between the Romanian Academy ("Vasile Alecsandri" University of Bacau is partner) and the National Academy of Sciences of Belarus and Belarusian Republican Foundation for Fundamental Research - leader of the Romanian, ("AR-FRBCF", 2014-2015) - leader of the Romanian.	A2.4.1.1	20 * 2 = 40
42	Classes of graphs, complexity of problems and algorithms - Bilateral Cooperation between the Romanian Academy ("Vasile Alecsandri" University of Bacau is partner) and the National Academy of Sciences of Belarus and Belarusian Republican Foundation for Fundamental Research, ("AR-FRBCF", 2012-2013) - leader of the Romanian.	A2.4.1.1	20 * 2 = 40

43	Hybrid Complex Medical Systems, ComplexMediSys - Programe: Capacities /Type III – Bilateral Cooperation Romania – Slovakia, Partner Institution: The Slovak Academy of Science and University Petru Maior, Financement Contract no 476/07.03.2011, – member	A2.4.2.1	4 * 3 = 12
44	POSDRU /86/1.2/5/63545 of 22.09.2010, TEORO – Occupational Therapy and Applied Inginery in Equipment for Rehabilitation and Assistive Technology – European University specializations, newly introduced in Romania, for a society based on knowledge and equality of chances. Project Coordinator – University “Vasile Alecsandti” of Bacau, 5 partners, one from Holland (European Project), Financement 14530252,9 lei – member.	A2.4.2.1	4 * 3 = 12
45	Project Type: Electronic Health Records for the Next Generation Medical Decision Support in Romanian and Bulgarian National Healthcare Systems, The Acronim of the Proposal: NextGenElectroMedSupport, Program: Capacities /Type III, Bilateral Collaboration in Romanian and Bulgarian National Healthcare Systems, Project Manager: Prof. Roumen Kountchev PhD Technical University from Sofia , Bulgaria, Romania – Manager: Barna Iantovics, Coordinating Institution: University Petru Maior, Partner Institution 1: National Institute of Chemistry and Petrochemistry, ICECHIM, Bucharest, Partner Institution 2: University of Medicine and Pharmacy of Targu Mures, Partner Institution 3: University Lucian Blaga of Sibiu, Co: Technical University of Sofia, Financement Contract no 461CB/ 23.10.2010, – member.	A2.4.2.1	4 * 3 = 12
46	Grant 6407/2013, Thematic Fund Partnership and Expert Fund Partnership Block Grant: BLISS- Bacau and Lugano- “Teaching Informatics for a Sustainable Society”, ID :PF10, 37800 CHF – member.	A2.4.2.1	4 * 3 = 12
47	CEEX 76-2 / 2006 Iași, The Institute of Theoretical Informatics, the Subsidiary of The Romanian Academy – Computational Methods of High Performance in the Shaping and Optimization of Nanomagnetic Materials, 2006 -2009.	A2.4.2.2	2 * 3 = 6
48	CEEX 109/2006 University of Bacău – Bioenergetic Valorification of the Production Potential of Hyppophae rhamnoides ssp. Carpathica through Complex Characterization of Species, the Source of Ecological Harvest for a Durable Agriculture, 2006-2009	A2.4.2.2	2 * 3 = 6
49	Technology of High Performance to Increase the Durability of Parts. The Program 4-Partnership in Proritary Areas, 71-94/2007, University of Bacău.	A2.4.2.2	2 * 3 = 6
50	Modernization and Consolidation of the Group of Laboratories Research Infrastructure on Cold Plastic Deformation of Metallicly Tables (Boards). The Program Capacities. 115 /1/2007, University of Bacău.	A2.4.2.2	2 * 3 = 6
51	Grant type A, no. 1231, A Study on the Increase of the Functional Level of the Autistic Child through physical exercise to stimulate sensorial-motrical, 2007-2008, Financement 1930000 RON.	A2.4.2.2	2 * 3 = 6
52	CEEX M1-C2 3289/2006 – Complex Research-Development Project. Integrated Technology of Fabrication of the Parts Resulted from the Thin Methalical Tables (TIF / PTMS), University of Bacău.	A2.4.2.2	2 * 3 = 6
53	Perfect Graphs and Connected Problems. Structure Problems in the Theory of Perfect, Partitionable, Non-Decomposable Graphs’ Theory and Classes of Asociated Hipergraphs. Applications of the theory of graphs in algebrical problems, language theory and informatics. Algorithmical problems in the theory of perfect graphs. Structure problems in the Theory of Perfect, Partitionable, Non-Decomposable Graphs’ Theory and Classes of Asociated Hipergraphs . Scientific Research Contract no. 7007/1997, between the Ministry of Education – DGISCSU and the University “Dunărea de Jos” from Galați. Theme no.29/280- unique step.	A2.4.2.2	2 * 1 = 2

54	The Theory of Graphs and of Other Combinatorial Structures: Structure Problems in the Perfect, Partitionable, Non-Decomposable Graphs' Theory and Classes of Associated Hipergraphs. Scientific Research Contract with the Ministry of Education. Programme Code 12, Domain Code 12,99 (graphs and combinatorial structures). Steps- 4 :1993, 1994, 1995, 1996.	A2.4.2.2	$2 * 4 = 8$
55	Perfect Graphs and Connected Problems. Study of the Structure of a Class of Perfect Graphs: Graphs Critically Imperfect. Algebraical study of some graph operations. Problems of decomposition. Algorithmical problems in the theory of perfect graphs. Research Contract no.4007/1995, between the Ministry of Education – DGISCSU and the University “Dunărea de Jos” from Galați.	A2.4.2.2	$2 * 1 = 2$
56	The Theory of Graphs and Other Combinatorial Structures. Results on Perfect Graphs' Structure and some operations with graphs. Research Contract no. 3007/1994, between the Ministry of Education – DGISCSU and the University “Dunărea de Jos” from Galați, theme B 24, faze 2/1994.	A2.4.2.2	$2 * 1 = 2$
57	The Theory of Graphs and Other Combinatorial Structures. Research Contract no. 5007/1993 between the Ministry of Education – DGISCSU and the University “Dunărea de Jos” from Galați, position 25, Documentation.	A2.4.2.2	$2 * 1 = 2$
	TOTAL A2.4.		180
TOTAL A2			795,45

Conform

Factorul de impact pentru publicații se calculează prin însumarea factorilor de impact al revistelor cotate, pentru brevete se consideră factor de impact echivalent 0.5 iar pentru volumele manifestărilor ISI se consideră factor de impact echivalent 0.25.

Factorul de impact pentru “Elemente de identificare ale lucrării” de la penctele: 6,10,11,12,13,14,15 este 0,25.

EXPLICATII

A2.1 Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings ((25+20 * factor impact) / nr.de aut)

III. PAPERS

Papers Published in Thomson ISI: Web of Science: ISI Proceedings

1. Mihai TALMACIU, Victor LEPIN, Algorithms for the Recognition of Net-free Graphs and for Computing Maximum Cardinality Matchings in Claw-free Graphs, Studies in Informatics and Control, ISSN 1220-1766, vol. 23 (2), pp. 183-188, 2014.
2. Mihai Talmaciu, Elena Nechita, Barna Iantovics, Recognition and Combinatorial Optimization Algorithms for Bipartite Chain Graphs, Computing and Informatics, ISSN 1335-9150, Vol 32, No 2 , pp. 313-329, 2013.
3. Mihai Talmaciu, Determination of the Optimally Efficient Sets in Special Classes of Graphs, Studies in Informatics and Control, ISSN 1220-1766, vol. 21 (4), pp. 447-452, 2012.
4. Elena Nechita, Mihai Talmaciu, Carmen Muraru- A bayesian approach for the assessment of risk probability. Case study for digital risk probability, Environmental Engineering and Management Journal, 11(12), 2012, 2249-2256, ISSN 1582-9596 (factor de impact: 1.258)
5. Talmaciu, M; Nechita, E, On partitionable, confidentially connected and unbreakable graphs, Analele Scientifice ale Universitatii Ovidius Constanta - Seria Matematica, ISSN (print:1224-1784; electronic:1844-0835),Vol:19, Issue:1, 2011, page: 263-273 (FI:0,23).
6. Nechita, E; Talmaciu, M; Timofti, I, et al., Study Concerning The Access To Online Educational Resources And The Use Of Online Collaborative Instruments, 6th International Seminar on the Quality Management in Higher Education, 2010, volume 2, page 567-570.
7. Talmaciu M., Nechita E., On Polar, Trivially Perfect Graphs, International Journal of Computers Communications & Control, ISSN 1841-9836, 5(5): 939-945, 2010.
8. Talmaciu M., Nechita E., Some Combinatorial Optimization Problems for Weak-Bisplit Graphs, SIC, 4, 2010, page 427-434.
9. Talmaciu, M., Nechita, E., Crisan, G.C. - A Recognition Algorithm for a Class of Partitionable Graphs that Satisfies the Normal Graph Conjecture, Studies In Informatics And Control, Vol. 18, Issue 4, Page. 349-354, 2009
10. Talmaciu, M., Nechita, E. - An Algorithm For The Bisection Problem On Trivially Perfect Graphs International Conference on Bi-Inspired Computational Methods Used for Difficult Problems Solving - Development of Intelligent and

- Complex Systems, Date: NOV 05-07, 2008 Petru Maior Univ, Tg Mures Romania & Romanian Acad Bucharest Romania, Advanced Bio-Inspired Computational Methods Pages: 87-93, 2008 (the short version of paper 12)
11. Nechita, E., Muraru, C.V., Talmaciu, M., Mechanisms In Social Insect Societies And Their Use In Optimization. A Case Study For Trail Laying Behavior, International Conference on Bi-Inspired Computational Methods Used for Difficult Problems Solving - Development of Intelligent and Complex Systems, Date: NOV 05-07, 2008 Petru Maior Univ, Tg Mures Romania & Romanian Academy Bucharest Romania, Advanced Bio-Inspired Computational Methods, Pages: 176-183, 2008 (the short version of paper 13)
12. Talmaciu, M., Nechita, E., An Algorithm for the Bisection Problem on Trivially Perfect Graphs, Conference Information: International Conference on Bio-Inspired Computational Methods Used for Difficult Problems Solving - Development of Intelligent and Complex Systems, Date: NOV 05-07, 2008 Petru Maior Univ, Tg Mures Romania & Romanian Acad Bucharest Romania, Source: BICS 2008: Proceedings Of The 1st International Conference On Bio-Inspired Computational Methods Used For Solving Difficult Problems-Development Of Intelligent And Complex Systems Volume: 1117 Pages: 60-66, 2008 (the long version of paper 10)
13. Nechita, E., Muraru, C.V., Talmaciu, M., Mechanisms in Social Insect Societies and their Use in Optimization. A Case Study for Trail Laying Behavior, Conference Information: International Conference on Bio-Inspired Computational Methods Used for Difficult Problems Solving - Development of Intelligent and Complex Systems, Date: NOV 05-07, 2008 Petru Maior University, Targu Mures Romania & Romanian Acad Bucharest ROMANIA, BICS 2008: Proceedings Of The 1st International Conference On Bio-Inspired Computational Methods Used For Solving Difficult Problems-Development Of Intelligent And Complex Systems Volume: 1117 Pages: 171-179, 2008 (the long version of paper 11)
14. Nechita, E., Crisan, G.C., Talmaciu, M., Cooperative Ant Colonies for Vehicle Routing Problem with Time Windows. A Case Study in the Distribution of Dietary Products, Conference Information: 12th World Multi-Conference on Systemics, Cybernetics and Informatics/14th International Conference on Information Systems Analysis and Synthesis, Date: Jun 29-Jul 02, 2008 Orlando FL, WMSCI 2008: 12th World Multi-Conference On Systemics, Cybernetics And Informatics, Vol V, Proceedings Pages: 48-52, 2008
15. Talmaciu, M., Nechita, E., A Hybrid Algorithm for the Bisection Problem in O-graphs, Conference Information: 12th World Multi-Conference on Systemics, Cybernetics and Informatics/14th International Conference on Information Systems Analysis and Synthesis, Date: JUN 29-JUL 02, 2008 Orlando FL, WMSCI 2008: 12th World Multi-Conference On Systemics, Cybernetics And Informatics, Vol V, Proceedings Pages: 57-60, 2008
16. Talmaciu, M., Nechita, E., Recognition algorithm for antenna-free graphs, International Journal Of Computers Communications & Control Volume: 3 Pages: 508-511, 2008
17. Talmaciu, M., Nechita, E., Recognition algorithm for diamond-free graphs, Informatica, ISSN(print:0868-4952; online:1822-8844), Volume: 18, Issue:3, Pages: 457-462, 2007
18. Crisan, G.C., Nechita, E., Talmaciu, M., How often does the Parrondo effect appear?, Fluctuation And Noise Letters, ISSN (print: 0219-4775, online: 1793-6780), Volume: 7 Issue: 2 Pages: C19-C25, 2007
19. Crisan, GC; Nechita, E; Talmaciu, M, et al., Using centrality indices in Ant Systems, International Journal Of Computers Communications & Control Volume: 1 Pages: 146-149, 2006
20. Nechita, E., Talmaciu, M., Crisan, G.C., Recognizing dart-free graphs, International Journal Of Computers Communications & Control Volume: 1 Pages: 332-335, 2006.
21. E. Olaru, M. Talmaciu, A Class of Partitionable Graphs, Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie, volume 48 (96), no. 3/2005, ISSN: 1220-3874, (factor impact 2012: 0,585), 313-317.
22. C. Croitoru, M. Talmaciu, On Confidentially connected graphs, Bul. Stiint. Univ. Baia Mare, Ser. B Matematică-Informatică (actual: Carpathian Journal of Mathematics), Vol. VI(2000), Second International Conference on Applied Mathematics, October 2000, Nr.1, ISSN: 1584 – 2851, 13-16, (factor de impact 2012: 1,190).

A2.2 Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI) (20 / nr.de autori)

Papers published before 2005 in Recognized Speciality Reviews

2. M. Talmaciu, On a k-clique-join of a class of partitionable graphs, Computer Science Journal of Moldova, vol. 13, no. 1(37), 2005, 37-46.
3. C. Croitoru, C. Frăsinaru, E. Olaru, M.Talmaciu, Hardly perfect graphs, Scientific Annals of the “Alexandru Ioan Cuza” University of Iași, Computer Science Section, ISSN: 1843 – 8121, Tome XIV, 2004, 12-22.
5. C. Croitoru, E. Olaru, M. Talmaciu, A new class of perfect graphs : Locally $\{C_3, C_5 \neq e\}$ -free, Scientific Studies and Research, Nr. 12, 97-104, Mathematics Series, University of Bacău, 2002.
6. C. Croitoru, E. Olaru, M. Talmaciu, Visibility properties and forbidden holes in graphs, Scientific Annals of the “Alexandru Ioan Cuza” University of Iași, Computer science Section, ISSN: 1843 – 8121, Tome X, 2001, 45-53.
10. C. Croitoru, E. Olaru, M. Talmaciu, Confidentially connected graphs, The Annal of the University “Dunărea de Jos” of Galați, Fascicle II, Mathematics, Physics, Theoretical Mecanics, Supplement to Tome XVIII (XXIII) 2000, Proceedings of the International Conference “The Risk in Contemporary economy”, “Section Mathematical Models and Method in Economy”, 17-18.

Daca nelimitativ se refera si la alte BDI-uri precum: AMS Digital Mathematics Registry, Index Copernicus, EBSCO, Ulrich’s Global Serials Directory, Zentralblatt MATH, MathSciNet (Mathematical Reviews), ProQuest atunci se mai adauga:

Papers Published in Speciality Reviews BDI Indexed

1. Mihai Talmaciu, Fast algorithms of dually chordal graphs, Scientific Studies and Research, Series Mathematics and Informatics, Vol. 25 (2015), No. 1, 77-86.
2. Mihai Talmaciu, Combinatorial Optimization Algorithms for P_4 -Sparse Graphs, ROMAI J., v.10, no.2(2014), 169–174.
3. M. Talmaciu, On {claw,antenna,net}-free graphs, Scientific Studies and Research, Series Mathematics and Informatics, Vol. 24 (2014), No. 1, 129–139.
4. Mihai Talmaciu, *Investigations on the bisection problem*, Scientific Studies and Research, Series Mathematics and Informatics, Vol. 23 (2013), No. 1, 171-178.
5. Mihai Talmaciu, *Verification on the normal graph conjecture on particular classes of graphs*, Scientific Studies and Research, Series Mathematics and Informatics, Vol. 23 (2013), No. 1, 179-186.
6. Mihai Talmaciu, Optimization Problems On Quasi-Threshold Graphs, Scientific Studies and Research, Series Mathematics and Informatics, Vol. 21 (2011), No. 1, 225 – 232.
7. Talmaciu, M., Nechita, E. - Optimization problems on threshold graphs, Acta Universitatis Apulensis, ISSN 1582-5329, 2011, Special Issue on Understanding Complex Systems, Eds. Barna Iantovics, Ladislav Hluchy and Roumen Kountchev, 62-73.
8. Mihai Talmaciu - The normal graph conjecture is true for minimal unbreakable graphs, Scientific Studies and Research, Series Mathematics and Informatics, Proceedings of „Gheorghe Vranceanu” International Conference on Mathematics and Informatics ICMI 2, Bacău, 445-454, 2009.
9. Doina Păcurari, Mircea Muntean, Mihai Talmaciu – Combinatorial optimization algorithms for polar graphs and their application in finance, , Scientific Studies and Research, Series Mathematics and Informatics, Proceedings of „Gheorghe Vranceanu” International Conference on Mathematics and Informatics ICMI 2, Bacău, 493-498, 2009.
10. Talmaciu, M., Nechita, E. - A recognition algorithm for bull-free graphs, University of Bacău, Scientific Studies and Research), Proceedings of Conference of Mathematics and Informatics Bacău, 2007, pag. 233-243.
11. Talmaciu, M., Nechita, E. - A recognition algorithm for trivially perfect graphs, University of Bacău, Scientific Studies and Research), Proceedings of Conference of Mathematics and Informatics Bacău, 2007, pag. 245-250.
12. Talmaciu, M. - On the quasi-weakly decomposition of graphs, University of Bacău, Scientific Studies and Research), 17 (2007), Mathematics’ Series, pag.237-246.
13. Talmaciu, M., Croitoru C. - Structural Graph Search, Scientific Studies and Research), Proceedings of International Conference on Mathematics and Informatics ICMI 45, Bacău, 573-588, 2006.

A2.4.1.1 Granturi / proiecte castigate prin competitie Director/ responsabil internationale (20 * ani de desfasurare)

IV. SCIENTIFIC RESEARCH CONTRACTS

Member or leader in scientific research contracts

2. Decomposition of graphs and solving discrete optimization problems - Bilateral Cooperation between the Romanian Academy ("Vasile Alecsandri" University of Bacau is partner) and the National Academy of Sciences of Belarus and Belarusian Republican Foundation for Fundamental Research - leader of the Romanian, ("AR-FRBCF", 2014-2015) - leader of the Romanian.
3. Classes of graphs, complexity of problems and algorithms - Bilateral Cooperation between the Romanian Academy ("Vasile Alecsandri" University of Bacau is partner) and the National Academy of Sciences of Belarus and Belarusian Republican Foundation for Fundamental Research, ("AR-FRBCF", 2012-2013) - leader of the Romanian.

A2.4.2.1 Granturi / proiecte castigate prin competitie Membru in echipa internationale (4 * ani de desfasurare)

IV. SCIENTIFIC RESEARCH CONTRACTS

Member or leader in scientific research contracts

4. Hybrid Complex Medical Systems, ComplexMediSys - Programe: Capacities /Type III – Bilateral Cooperation Romania – Slovakia, Partner Institution: The Slovak Academy of Science and University Petru Maior, Financement Contract no 476/07.03.2011, – member
5. POSDRU /86/1.2/5/63545 of 22.09.2010, TEORO – Occupational Therapy and Applied Inginery in Equipment for Rehabilitation and Assistive Technology – European University specializations, newly introduced in Romania, for a society based on knowledge and equality of chances. Project Coordinator – University “Vasile Alecsandti” of Bacau, 5 partners, one from Holland (European Project), Financement 14530252,9 lei – member.
6. Project Type: Electronic Health Records for the Next Generation Medical Decision Support in Romanian and Bulgarian National Healthcare Systems, The Acronim of the Proposal: NextGenElectroMedSupport, Program: Capacities /Type III, Bilateral Collaboration in Romanian and Bulgarian National Healthcare Systems, Project Manager: Prof. Roumen Kountchev PhD Technical University from Sofia , Bulgaria, Romania – Manager: Barna Iantovics, Coordinating Institution: University Petru Maior, Partner Institution 1: National Institute of Chemistry and Petrochemistry, ICECHIM, Bucharest, Partner Institution 2: University of Medicine and Pharmacy of Targu Mures, Partner Institution 3: University Lucian Blaga of Sibiu, Co: Technical University of Sofia, Financement Contract no 461CB/ 23.10.2010, – member.
16. . Grant 6407/2013, Thematic Fund Partnership and Expert Fund Partnership Block Grant: BLISS- Bacau and Lugano- “Teaching Informatics for a Sustainable Society”, ID :PF10, 37800 CHF – member.

A2.4.2.2 Granturi / proiecte castigate prin competitie Membru in echipa nationale (2 * ani de desfasurare)

IV. SCIENTIFIC RESEARCH CONTRACTS

Member or leader in scientific research contracts

7. CEEX 76-2 / 2006 Iași, The Institute of Theoretical Informatics, the Subsidiary of The Romanian Academy – Computational Methods of High Performance in the Shaping and Optimization of Nanomagnetic Materials, 2006 -2009 – member.

8. CEEEX 109/2006 University of Bacău – Bioenergetic Valorification of the Production Potential of Hyppophae rhamnoides ssp. Carpathica through Complex Characterization of Species, the Source of Ecological Harvest for a Durable Agriculture, 2006-2009 – member.
9. “The Implementation of Statistical Checking of the Parts of the Civilian Aviation. The Comparative Analysis of Results Obtained with the Specifications of the Customers”, University of Bacău, beneficiary: SC AEROSTAR SA Bacău, 2008 – member.
10. “The Testing of Informatical Libraries”, Research Contract no. 2826 /2008, University of Bacău beneficiary: S.C. DEDEMAN S.R.L. Bacău – manager.
11. Technology of High Performance to Increase the Durability of Parts. The Program 4-Partnership in Priority Areas, 71-94/2007, University of Bacău.
12. Modernization and Consolidation of the Group of Laboratories Research Infrastructure on Cold Plastic Deformation of Metallically Tables (Boards). The Program Capacities. 115 /1/2007, University of Bacău.
13. Grant type A, no. 1231, A Study on the Increase of the Functional Level of the Autistic Child through physical exercise to stimulate sensorial-motricity, 2007-2008, Financement 1930000 RON – member.
14. "Thechico-Economical Study on the Opportunity of Diversification of the Production of PVC", University of Bacău, beneficiary: S.C. SUNCONFORT SRL Bacău.
15. CEEEX MI-C2 3289/2006 – Complex Research-Development Project. Integrated Technology of Fabrication of the Parts Resulted from the Thin Metallic Tables (TIF / PTMS), University of Bacău.

Grants gained before 2005

1. Perfect Graphs and Connected Problems. Structure Problems in the Theory of Perfect, Partitionable, Non-Decomposable Graphs' Theory and Classes of Associated Hipergraphs. Applications of the theory of graphs in algebraic problems, language theory and informatics. Algorithmical problems in the theory of perfect graphs. Structure problems in the Theory of Perfect, Partitionable, Non-Decomposable Graphs' Theory and Classes of Associated Hipergraphs . Scientific Research Contract no. 7007/1997, between the Ministry of Education – DGISCSU and the University “Dunărea de Jos” from Galați. Theme no.29/280- unique step.
2. The Theory of Graphs and of Other Combinatorial Structures: Structure Problems in the Perfect, Partitionable, Non-Decomposable Graphs' Theory and Classes of Associated Hipergraphs. Scientific Research Contract with the Ministry of Education. Programme Code 12, Domain Code 12,99 (graphs and combinatorial structures). Steps- 4 :1993, 1994, 1995, 1996.
3. Perfect Graphs and Connected Problems. Study of the Structure of a Class of Perfect Graphs: Graphs Critically Imperfect. Algebraic study of some graph operations. Problems of decomposition. Algorithmical problems in the theory of perfect graphs. Research Contract no.4007/1995, between the Ministry of Education – DGISCSU and the University “Dunărea de Jos” from Galați.
4. The Theory of Graphs and Other Combinatorial Structures. Results on Perfect Graphs' Structure and some operations with graphs. Research Contract no. 3007/1994, between the Ministry of Education – DGISCSU and the University “Dunărea de Jos” from Galați, theme B 24, faze 2/1994.
5. The Theory of Graphs and Other Combinatorial Structures. Research Contract no. 5007/1993 between the Ministry of Education – DGISCSU and the University “Dunărea de Jos” from Galați, position 25, Documentation..

Total factor de impact cumulat: 12,372.

Recunoașterea și impactul activității (A3)

Nr. crt.	Elemente de identificare ale lucrării	Subcategoria	Autoevaluare candidat
	Citări		
L1	Elena Nechita, Mihai Talmaciu, Carmen Muraru- A bayesian approach for the assessment of risk probability. Case study for digital risk probability, Environmental Engineering and Management Journal, 11(12), 2012, 2249-2256, ISSN 1582-9596.		
1	Moraru, Roland Iosif; Babut, Gabriel Bujor; Cioca, Lucian Ionel, RATIONALE AND CRITERIA DEVELOPMENT FOR RISK ASSESSMENT TOOL SELECTION IN WORK ENVIRONMENTS, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume: 13 Issue: 6, Pages: 1371-1376 Published: JUN 2014, FI:1,065.	A3.1.1	8 / 3 = 2,66
2	Oniga, Ersilia; Diac, Maximilian, Metric And Non-Metric Cameras Calibration For The Improvement Of Real-Time Monitoring Process Results, Environmental Engineering & Management Journal (EEMJ) . Apr2013, Vol. 12 Issue 4, p719-726. 8p. 2 Color Photographs, 1 Diagram, 2 Charts, 3 Graphs.	A3.1.1	8 / 3 = 2,66

3	Crișan, Gloria Cerasela , On The Robustness Of Ant Colony Optimization, Scientific Studies & Research. Series Mathematics & Informatics . 2013, Vol. 23 Issue 1, p23-28.	A3.1.2	4 / 3 = 1,33
4	Adrian Grozavu□, Sergiu Pleșcan, Mihai Ciprian Mărgărint, INDICATORS FOR THE ASSESSMENT OF EXPOSURE TO GEOMORPHOLOGIC AND HYDROLOGIC PROCESSES, Environmental Engineering and Management Journal, November 2013, Vol.12, No. 11, 2203-2210.	A3.1.1	8 / 3 = 2,66
L2	Talmaciu Mihai; Nechita, Elena, Some Combinatorial Optimization Problems for Weak-Bisplit Graphs, Studies in Informatics and Control, Volume: 19 Issue: 4 Pages: 427-434, 2010		
5	Manea, Liliana Rozemarie; Sandu, Ion; Curteza, Antonela, Clothing Comfort Under Dynamic Conditions in the Evaluation of Some Biometrics Parameters I.The Evaluation of Energetic Consumption and Functional Frequency, MATERIALE PLASTICE Volume: 52 Issue: 3 Pages: 312-316 Published: SEP 2015, FI:0,824.	A3.1.1	8 / 2 = 4
6	Hornng, Shih-Cheng; Yang, Feng-Yi; Lin, Shieh-Shing, Embedding evolutionary strategy in ordinal optimization for hard optimization problems, Applied Mathematical Modelling, 2012 –Elsevier, Volume: 36, Issue: 8, Pages: 3753-3763, 2012.	A3.1.1	8 / 2 = 4
7	R Soto, E Monfroy, Syntax Extensions for a Constrained-Object Language via Dynamic Parser Cooperation (*), Studies in Informatics and Control, Volume: 21, No. 1, 41-48, 2012.	A3.1.1	8 / 2 = 4
8	MI Bocicor, IG Czibula, A Distributed Q-Learning Approach to Fragment Assembly, Studies in Informatics and Control, 221-232,2011.	A3.1.1	8 / 2 = 4
L3	E. Nechita, C.V. Muraru, and M. Talmaciu, Mechanisms in Social Insect Societies and their use in Optimization. A Case Study for Trail Laying Behavior, Proceedings of the Conference on Bio-Inspired Computational Methods Used for Diffcult Problems Solving. Development of Intelligent and Complex Systems, Tg. Mures, American Institute of Physics Proceedings, 2008, pp. 171-179.		
9	Barna Iantovics, Bogdan Cranicu, Complex Mobile Multiagent Systems, Complexity and Intelligence of the Artificial and Natural Complex Systems, Medical Applications of the Complex Systems, Biomedical Computing, 2008. CANS '08, 21-30, IEEE Xplore Digital Library.	A3.1.2	4/3=1,33
10	Gloria Cerasela Crisan, Camelia-M. Pinte, Petrica C. Pop, On the Resilience of an Ant-based System in Fuzzy Environments. An Empirical Study, Fuzzy Systems (FUZZ-IEEE), 2014, IEEE International Conference on, Pages: 2588 – 2593, Editor: IEEE.	A3.1.1	8 / 3 = 2,66
L4	M. Talmaciu and E. Nechita. Recognition algorithm for diamond-free graphs. Informatica, 18(3):457–462, 2007”.		
11	Fellows, Michael R.; Guo, Jiong; Komusiewicz, Christian; et al., Edited by: Ngo, HQ, Graph-Based Data Clustering with Overlaps, 15th Annual International Conference on Computing and Combinatorics (COCOON 2009) Location: Niagara Falls, NY Date: JUL 13-15, 2009, COMPUTING AND COMBINATORICS, PROCEEDINGS Book Series: Lecture Notes in	A3.1.1	8 / 2 = 4

	Computer Science, Volume: 5609 Pages: 516-526 Published: 2009.		
12	MR Fellows, J Guo, C Komusiewicz, R Niedermeier, J. Uhlmann in the paper Graph-Based Data Clustering with Overlaps, Discrete Optimization, Volume 8, Issue 1, February 2011 - Elsevier, pp 2–17.	A3.1.1	$8 / 2 = 4$
13	J. Uhlmann Multivariate algorithmics in biological data analysis – books, Von der Fakultät IV Elektrotechnik und Informatik der Technischen Universität Berlin zur Erlangung des akademischen Grades Doktor der Naturwissenschaften, Dr. rer. nat. genehmigte Dissertation, Berlin 2011.	A3.1.1	$8 / 2 = 4$
14	Min Chih Lin, Francisco J. Soullignac, Jayme L. Swarcfiter, Arboricity, <i>h</i> -index, and dynamic algorithms, Theoretical Computer Science, 2012 - Elsevier , Volumes 426–427, Pages 75–90.	A3.1.1	$8 / 2 = 4$
15	LH Chen, MS Chang, CC Wang, BY Wu , On the Min-Max 2-Cluster Editing Problem, Advances in Intelligent Systems and Applications - Volume 1, Smart Innovation, Systems and Technologies Volume 20, 2013, pp 133-142 – Springer.	A3.1.1	$8 / 2 = 4$
L5	M. Talmaciu, V. Lepin Algorithms for the Recognition of Net-free Graphs and for Computing Maximum Cardinality Matchings in Claw-free Graphs, Studies in Informatics and Control, Vol. 23, No. 3, pp. 183-188, 2014.		
16	Cosmin Tomozei, Cristian Amancei, Social Sustainability Achievement Through Mobile Gis Applications Development And Audit, Informatică Economică.	A3.1.2	$4/2=2$
L6	Talmaciu, M., Nechita, E., Crisan, Gc., A Recognition Algorithm For A Class Of Partitionable Graphs That Satisfies The Normal Graph Conjecture, Studies In Informatics And Control 18 (4), 2009, P. 349-354.		
17	MANEA, LILIANA ROZEMARIE; SANDU, ION; CURTEZA, ANTONELA, CLOTHING COMFORT UNDER DYNAMIC CONDITIONS IN THE EVALUATION OF SOME BIOMETRICS PARAMETERS I.THE EVALUATION OF ENERGETIC CONSUMPTION AND FUNCTIONAL FREQUENCY, MATERIALE PLASTICE VOLUME: 52 ISSUE: 3 PAGES: 312-316 PUBLISHED: SEP 2015, FI:0,824.	A3.1.1	$8 / 3 = 2,66$
18	Iulian Furdu, The Impact Of Internet Of Things In Cloud Computing: Present And Perspectives (L'internet Des Objects Et Son Impact Dans Le Cloud Computing: Présent Et Perspectives), Proceedings Of Francophone Multidisciplinary Colloquium On Materials, Environment And Electronics, Pag. 50-54, Issn 2343-9092, Issn-L 2343-9092, Http://Pubs.Ub.Ro/?Pg=Revue&Rev=Plumee	A3.1.2	$4/3=1,33$
L7	Talmaciu, M., Nechita, E., A Recognition Algorithm For Trivially Perfect Graphs, Scientific Studies & Research. Series Mathematics, V.17, P. 239-244, 2007.		
19	Iulian Furdu, The Impact Of Internet Of Things In Cloud Computing: Present And Perspectives (L'internet Des Objects Et Son Impact Dans Le Cloud Computing: Présent Et Perspectives), Proceedings Of Francophone Multidisciplinary Colloquium On Materials, Environment And	A3.1.2	$4/2=2$

	Electronics, Pag. 50-54, Issn 2343-9092, Issn-L 2343-9092, Http://Pubs.Ub.Ro/?Pg=Revues&Rev=Plumee		
L8	C. Croitoru, M. Talmaciu, On Confidentially connected graphs, Bul. Stiint. Univ. Baia Mare, Ser. B Matematică-Informatică (actual: Carpathian Journal of Mathematics), Vol. VI(2000), Second International Conference on Applied Mathematics, October 2000, Nr.1, ISSN: 1584 – 2851, 13-16, (factor de impact 2012: 1,190).		
20	Vărlan Simona, Using Internet of Things to Improve Patient Awareness in Drug Administration, Proceedings of francophone multidisciplinary colloquium on materials, environment and electronics, pag. 140-142, ISSN 2343-9092, ISSN-L 2343-9092, http://pubs.ub.ro/?pg=revues&rev=plumee.	A3.1.2	4/2=2
L9	Talmaciu, M; Nechita, E, On partitionable, confidentially connected and unbreakable graphs, Analele Scientifice ale Universitatii Ovidius Constanta - Seria Matematica, ISSN (print:1224-1784; electronic:1844-0835),Vol:19, Issue:1, 2011, page: 263-273.		
21	Vărlan Simona, Using Internet of Things to Improve Patient Awareness in Drug Administration, Proceedings of francophone multidisciplinary colloquium on materials, environment and electronics, pag. 140-142, ISSN 2343-9092, ISSN-L 2343-9092, http://pubs.ub.ro/?pg=revues&rev=plumee.	A3.1.2	4/2=2
L10	Talmaciu, Mihai; Nechita, Elena; Iantovics, Barna, RECOGNITION AND COMBINATORIAL OPTIMIZATION ALGORITHMS FOR BIPARTITE CHAIN GRAPHS, COMPUTING AND INFORMATICS Volume: 32, Issue: 2, Pages: 313-329, Published: 2013		
22	Manea, Liliana Rozemarie; Sandu, Ion; Curteza, Antonela, Clothing Comfort Under Dynamic Conditions in the Evaluation of Some Biometrics Parameters I.The Evaluation of Energetic Consumption and Functional Frequency, MATERIALE PLASTICE Volume: 52 Issue: 3 Pages: 312-316 Published: SEP 2015, FI:0,824.	A3.1.1	8 / 3 = 2,66
L11	Talmaciu, M., Nechita, E., A Hybrid Algorithm for the Bisection Problem in O-graphs, Conference Information: 12th World Multi-Conference on Systemics, Cybernetics and Informatics/14th International Conference on Information Systems Analysis and Synthesis, Date: JUN 29-JUL 02, 2008 Orlando FL, WMSCI 2008: 12th World Multi-Conference On Systemics, Cybernetics And Informatics, Vol V, Proceedings Pages: 57-60, 2008.		
23	Tomozei Cosmin, New Aspects Regarding Mobiles Devices Programming, Proceedings of francophone multidisciplinary colloquium on materials, environment and electronics, pag. 138-140, ISSN 2343-9092, ISSN-L 2343-9092, Scientific Publications - University of Bacau [Revues] (scientific reviews, abstracts and articles).	A3.1.2	4/2=2
L12	E. Olaru, M. Talmaciu, A Class of Partitionable Graphs, Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie, volume 48 (96), no. 3/2005, ISSN: 1220-3874, (factor impact 2012: 0,585), 313-317.		

24	Tomozei Cosmin, New Aspects Regarding Mobiles Devices Programming, Proceedings of francophone multidisciplinary colloquium on materials, environment and electronics, pag. 138-140, ISSN 2343-9092, ISSN-L 2343-9092, Scientific Publications - University of Bacau [Revues] (scientific reviews, abstracts and articles).	A3.1.2	4/2=2
	TOTAL A3.1		63
	Prezentări		
25	Mihai Talmaciu, Victor Lepin, On Doubly Chordal Graphs (short), presented at International Conference "Discrete Mathematics, Algebra and their Applications", Minsk, Belarus, September, 14-18, 2015.	A3.2.1	10
26	Mihai Talmaciu, Victor Lepin, Fast recognition of chair-free graphs, presented at ICGT 2014, Grenoble, France, 9th International colloquium on graph theory and combinatorics, June 30-July 4, 2014, 24-24.	A3.2.1	10
27	Mihai Talmaciu, Efficient Determination of Biclique Partitions and their Applications in Network Security Risk Assessment - Second International Conference on Natural and Anthropic Risks ICNAR 2014, 04-07 June 2014, Bacau, Romania.	A3.2.1	10
28	Mihai Talmaciu, Victor Lepin, <i>The recognition algorithms for chair-free graphs (short)</i> , presented at International scientific conference DISCRETE MATHEMATICS, GRAPH THEORY AND THEIR APPLICATIONS, (DIMA-2013), Minsk, Belarus, November, 11-14, 2013.	A3.2.1	10
29	Mihai Talmaciu, Sergiu Cataranciuc, <i>The recognition algorithms for murky unbreakable graphs (short)</i> , presented at International scientific conference DISCRETE MATHEMATICS, GRAPH THEORY AND THEIR APPLICATIONS, (DIMA-2013), Minsk, Belarus, November 11-14, 2013.	A3.2.1	10
30	Mihai Talmaciu, <i>Investigations on the bisection problem</i> , presented at "Gheorghe Vrănceanu" National Conference on Mathematics and Informatics, Bacău, România, 31th of May, 2013.	A3.2.1	10
31	Mihai Talmaciu, <i>Verification on the normal graph conjecture on particular classes of graphs</i> , presented at "Gheorghe Vrănceanu" National Conference on Mathematics and Informatics, Bacău, România, 31th of May, 2013.		10
32	Mihai Talmaciu, Elena Nechita, and Barna Iantovics, On Confidentially Connected-Free Graphs, MedDecSup 2012, International Workshop on Next Generation Intelligent Medical Decision Support Systems, Sofia, 2012	A3.2.2	10
33	Talmaciu, M. - A recognition algorithm and some optimization problems on weakly quasi-threshold graphs, MedDecSup 2011, International Workshop on Next Generation Intelligent Medical Decision Support Systems, Tg. Mures, 2011	A3.2.2	5
34	Talmaciu, M., Nechita, E. - Optimization problems on threshold graphs, Understanding Intelligent and Complex Systems, Tg. Mures, 2009	A3.2.2	5
35	Mihai Talmaciu - The normal graph conjecture is true for minimal unbreakable graphs, Scientific Studies and Research, Proceedings of International Conference on Mathematics and Informatics ICMI	A3.2.1	10

	2009 Bacău, 2009		
36	E. Nechita, M.Talmaciu, G.C.Crisan - Recognizing Dart-Free Graphs, Proceedings of ICCCC International Journal of Computers, Communications & Control, 2006	A3.2.1	10
37	Mihai Talmaciu, Cornelius Croitoru - Structural Graphs Search, ICMI45, Bacău, 2006	A3.2.1	10
38	M. Talmaciu- A Class of Partitionable Graphs with Maximum Number of Edges, The 7 th Balkan Conference on Operational Research, Constanța, Romania, 2005	A3.2.1	10
	TOTAL A3.2		130
	Membru în colectivul de redacție al revistelor:		
39	Studii și cercetări științifice, seria Matematică	A3.3.2	6
40	Scientific Studies and Research. Series Mathematics and Informatics	A3.3.2	6
	Membru în comitetele științifice ale revistelor:		
41	Studii și cercetări științifice, seria Matematică, a Catedrei de Matematică-Informatică	A3.3.2	6
42	Scientific Studies and Research. Series Mathematics and Informatics	A3.3.2	6
43	International Journal of Computers, Communications & Control	A3.3.2	6
	Membru în comitetele științifice ale unor manifestări (congrese, conferințe, colocvii, simpozioane)		
44	International Conference on Mathematics and Informatics ICMI45, Bacău, September 18-20 2006	A3.3.2	6
45	Conferința Națională de Matematică și Informatică, Bacău, noiembrie 2007	A3.3.2	6
46	Al XII-lea Congres al S.S.M.R. 2008	A3.3.2	6
47	International Conference on Bio-Inspired Computational Methods Used for Difficult Problems Solving - Development of Intelligent and Complex Systems, Date: NOV 05-07, 2008 Petru Maior University, Targu Mures Romania & Romanian Acad Bucharest ROMANIA, BICS 2008	A3.3.2	6
48	International Conference on Mathematics and Informatics ICMI 2 2009, second edition, Bacău, September 8-10 2009	A3.3.2	6
49	Gheorghe Vrânceanu National Conference on Mathematics and Informatics with international participation NCMi 2011 Bacău, 2011	A3.3.2	6
50	Gheorghe Vrânceanu National Conference on Mathematics and Informatics with international participation, May 30-31 2013, Bacău	A3.3.2	6
51	The Romanian Society of Applied and Industrial Mathematics (ROMAI), Vasile Alecsandri University of Bacău (Faculty of Science), "Gh. Mihoc - C. Iacob" Institute of Mathematical Statistics and Applied Mathematics of the Romanian Academy (Bucharest), and the Academy of Romanian Scientists (Bucharest) au organizat de the 22nd Conference on Applied and Industrial Mathematics (CAIM) în 2014).	A3.3.2	6
	TOTAL A3.3		78
	Premii naționale in domeniu premiu (acordate de CNCSIS / CNCS pentru publicarea de articole ISI):		
52	463 466 A Recognition Algorithm for a Class of Partitionable Graphs that Satisfies the Normal Graph Conjecture Science Citation Index	A3.4.2.	5

	Expanded Studies In Informatics And Control, Vol. 18, Issue 4, PG. 349-354, 2009 Automation And Control Systems 1220-1766 3 3		
53	53 53 Recognition Algorithm for Diamond-Free Graphs Informatica 18(3) 457-462 2007	A3.4.2.	5
54	54 54 Recognition Algorithm For Antenna-Free Graphs Ijccc 3 Suppl.s., Proc. Of ICCCC 2008:508-511 2008	A3.4.2.	5
55	93 62 Howoften does the parrando effect appear Fluctuation and letters 7 (2): C19-C25 Jun 2007 666	A3.4.2.	5
	TOTAL A3.4		20
TOTAL A3			291

A3.1.1 si A3.1.2. Citări in carti, reviste si volume ale unor manifestari Stiintifice carti, ISI (8 / nr aut art.citat) si BDI (4 / nr aut art.citat)

Cited in Thomson ISI: Web of Science; ISI Proceedings of papers published in Thomson ISI: Web of Science; ISI Proceedings

I) The paper Elena Nechita, Mihai Talmaciu, Carmen Muraru- A bayesian approach for the assessment of risk probability. Case study for digital risk probability, Environmental Engineering and Management Journal, 11(12), 2012, 2249-2256, ISSN 1582-9596 (factor de impact 2011: 1.004) , is citable in:

- 1) Moraru, Roland Iosif; Babut, Gabriel Bujor; Cioca, Lucian Ionel, RATIONALE AND CRITERIA DEVELOPMENT FOR RISK ASSESSMENT TOOL SELECTION IN WORK ENVIRONMENTS, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume: 13 Issue: 6, Pages: 1371-1376 Published: JUN 2014, FI:1,065.
- 2) Oniga, Ersilia; Diac, Maximilian, Metric And Non-Metric Cameras Calibration For The Improvement Of Real-Time Monitoring Process Results, Environmental Engineering & Management Journal (EEMJ) . Apr, 2013, Vol. 12 Issue 4, p719-726. 8p. 2 Color Photographs, 1 Diagram, 2 Charts, 3 Graphs.
- 3) Crişan, Gloria Cerasela , On The Robustness Of Ant Colony Optimization, Scientific Studies & Research. Series Mathematics & Informatics . 2013, Vol. 23 Issue 1, p23-28. 6p.
- 4) Adrian Grozavu, Sergiu Pleşcan, Mihai Ciprian Mărgărint, INDICATORS FOR THE ASSESSMENT OF EXPOSURE TO GEOMORPHOLOGIC AND HYDROLOGIC PROCESSES, Environmental Engineering and Management Journal, November 2013, Vol.12, No. 11, 2203-2210.

II).The paper Talmaciu Mihai; Nechita, Elena, Some Combinatorial Optimization Problems for Weak-Bisplit Graphs, Studies in Informatics and Control, Volume: 19 Issue: 4 Pages: 427-434, 2010, is citable in:

- 1) Manea, Liliana Rozemarie; Sandu, Ion; Curteza, Antonela, Clothing Comfort Under Dynamic Conditions in the Evaluation of Some Biometrics Parameters I.The Evaluation of Energetic Consumption and Functional Frequency, MATERIALE PLASTICE Volume: 52 Issue: 3 Pages: 312-316 Published: SEP 2015, FI:0,824.
- 2) Horng, Shih-Cheng; Yang, Feng-Yi; Lin, Shieh-Shing, Embedding evolutionary strategy in ordinal optimization for hard optimization problems, Applied Mathematical Modelling, 2012 –Elsevier, Volume: 36, Issue: 8, Pages: 3753-3763, 2012.
- 3) R Soto, E Monfroy, Syntax Extensions for a Constrained-Object Language via Dynamic Parser Cooperation (*), Studies in Informatics and Control, Volume: 21, No. 1, 41-48, 2012.
- 4) MI Bocicor, IG Czibula, IG Czibula, A Distributed Q-Learning Approach to Fragment Assembly, Studies in Informatics and Control, 221-232,2011.

III). The paper E. Nechita, C.V. Muraru, and M. Talmaciu, Mechanisms in Social Insect Societies and their use in Optimization. A Case Study for Trail Lay-ing Behavior, Proceedings of the Conference on Bio-Inspired Computational Methods Used for Diffcult Problems Solving. Development of Intelligent and Complex Systems, Tg. Mures, American Institute of Physics Proceedings, 2008, pp. 171-179. is citable in:

- 1)Barna Iantovics, Bogdan Cranicu, Complex Mobile Multiagent Systems, Complexity and Intelligence of the Artificial and Natural Complex Systems, Medical Applications of the Complex Systems, Biomedical Computing, 2008. CANS '08, 21-30, IEEE Xplore Digital Library.
- 2) Gloria Cerasela Crisan, Camelia-M. Pinte, Petrica C. Pop, On the Resilience of an Ant-based System in Fuzzy Environments. An Empirical Study, Fuzzy Systems (FUZZ-IEEE), 2014, IEEE International Conference on, Pages: 2588 – 2593, Editor: IEEE.

IV) The paper M. Talmaciu and E. Nechita. Recognition algorithm for diamond-free graphs. Informatica, 18(3):457–462, 2007”. is citable in:

- 1) Fellows, Michael R.; Guo, Jiong; Komusiewicz, Christian; et al., Edited by: Ngo, HQ, Graph-Based Data Clustering with Overlaps, 15th Annual International Conference on Computing and Combinatorics (COCOON 2009) Location: Niagara Falls, NY Date: JUL 13-15, 2009, COMPUTING AND COMBINATORICS, PROCEEDINGS Book Series: Lecture Notes in Computer Science, Volume: 5609 Pages: 516-526 Published: 2009.
- 2) MR Fellows, J Guo, C Komusiewicz, R Niedermeier, J. Uhlmann in the paper Graph-Based Data Clustering with Overlaps, Discrete Optimization, Volume 8, Issue 1, February 2011 - Elsevier, pp 2–17.
- 3) J. Uhlmann Multivariate algorithmics in biological data analysis – books, Von der Fakultät IV Elektrotechnik und Informatik der Technischen Universität Berlin zur Erlangung des akademischen Grades Doktor der Naturwissenschaften, Dr. rer. nat. genehmigte Dissertation, Berlin 2011.

4) Min Chih Lin, Francisco J. Soulignac, Jayme L. Szwarcfiter, Arboricity, h -index, and dynamic algorithms, *Theoretical Computer Science*, 2012 - Elsevier , Volumes 426–427, Pages 75–90.

5) LH Chen, MS Chang, CC Wang, BY Wu , On the Min-Max 2-Cluster Editing Problem, *Advances in Intelligent Systems and Applications - Volume 1, Smart Innovation, Systems and Technologies Volume 20*, 2013, pp 133-142 – Springer.

V) The paper M. Talmaciu, V. Lepin, Algorithms for the Recognition of Net-free Graphs and for Computing Maximum Cardinality Matchings in Claw-free Graphs, *Studies in Informatics and Control*, Vol. 23, No. 3, pp. 183-188, 2014. is citable in:

1) COSMIN TOMOZEI, CRISTIAN AMANCEI, SOCIAL SUSTAINABILITY ACHIEVEMENT THROUGH MOBILE GIS APPLICATIONS DEVELOPMENT AND AUDIT, *INFORMATICĂ ECONOMICĂ*.

VI) The paper Talmaciu, M., Nechita, E., Crisan, GC., A recognition algorithm for a class of partitionable graphs that satisfies the normal graph conjecture, *Studies in Informatics and Control* 18 (4), 2009, p. 349-354. is citable in :

1) Manea, Liliana Rozemarie; Sandu, Ion; Curteza, Antonela, Clothing Comfort Under Dynamic Conditions in the Evaluation of Some Biometrics Parameters I. The Evaluation of Energetic Consumption and Functional Frequency, *MATERIALE PLASTICE* Volume: 52 Issue: 3 Pages: 312-316 Published: SEP 2015, FI:0,824.

2) Iulian Furdu, The impact of Internet of Things in Cloud Computing: Present and Perspectives (L'internet des objets et son impact dans le Cloud Computing: présent et perspectives), *Proceedings of francophone multidisciplinary colloquium on materials, environment and electronics*, pag. 50-54, ISSN 2343-9092, ISSN-L 2343-9092, <http://pubs.ub.ro/?pg=revues&rev=plumee>.

VII) The paper Talmaciu, M., Nechita, E., A recognition algorithm for trivially perfect graphs, *Scientific Studies & Research. Series Mathematics*, v.17, p. 239-244, 2007. is citable in:

1) Iulian Furdu, The impact of Internet of Things in Cloud Computing: Present and Perspectives (L'internet des objets et son impact dans le Cloud Computing: présent et perspectives), *Proceedings of francophone multidisciplinary colloquium on materials, environment and electronics*, pag. 50-54, ISSN 2343-9092, ISSN-L 2343-9092, *Scientific Publications - University of Bacau [Revues]* (scientific reviews, abstracts and articles).

VIII) The paper C. Croitoru, M. Talmaciu, On Confidentially connected graphs, *Bul. Stiint. Univ. Baia Mare, Ser. B Matematică-Informatică* (actual: *Carpathian Journal of Mathematics*), Vol. VI(2000), Second International Conference on Applied Mathematics, October 2000, Nr.1, ISSN: 1584 – 2851, 13-16, (factor de impact 2012: 1,190). is citable in:

1) Vârlan Simona, Using Internet of Things to Improve Patient Awareness in Drug Administration, *Proceedings of francophone multidisciplinary colloquium on materials, environment and electronics*, pag. 140-142, ISSN 2343-9092, ISSN-L 2343-9092, <http://pubs.ub.ro/?pg=revues&rev=plumee>.

IX) The paper Talmaciu, M; Nechita, E, On partitionable, confidentially connected and unbreakable graphs, *Analele Scientifiche ale Universitatii Ovidius Constanta - Seria Matematica*, ISSN (print:1224-1784; electronic:1844-0835), Vol:19, Issue:1, 2011, page: 263-273. is citable in:

1) Vârlan Simona, Using Internet of Things to Improve Patient Awareness in Drug Administration, *Proceedings of francophone multidisciplinary colloquium on materials, environment and electronics*, pag. 140-142, ISSN 2343-9092, ISSN-L 2343-9092, <http://pubs.ub.ro/?pg=revues&rev=plumee>.

X) The paper Talmaciu, Mihai; Nechita, Elena; Iantovics, Barna, RECOGNITION AND COMBINATORIAL OPTIMIZATION ALGORITHMS FOR BIPARTITE CHAIN GRAPHS, *COMPUTING AND INFORMATICS* Volume: 32, Issue: 2, Pages: 313-329, Published: 2013

is citable in:

1) Manea, Liliana Rozemarie; Sandu, Ion; Curteza, Antonela, Clothing Comfort Under Dynamic Conditions in the Evaluation of Some Biometrics Parameters I. The Evaluation of Energetic Consumption and Functional Frequency, *MATERIALE PLASTICE* Volume: 52 Issue: 3 Pages: 312-316 Published: SEP 2015, FI:0,824.

XI) The paper Talmaciu, M., Nechita, E., A Hybrid Algorithm for the Bisection Problem in O-graphs, *Conference Information: 12th World Multi-Conference on Systemics, Cybernetics and Informatics/14th International Conference on Information Systems Analysis and Synthesis*, Date: JUN 29-JUL 02, 2008 Orlando FL, WMSCI 2008: 12th World Multi-Conference On Systemics, Cybernetics And Informatics, Vol V, *Proceedings* Pages: 57-60, 2008. is citable in:

1) Tomozei Cosmin, New Aspects Regarding Mobiles Devices Programmation, *Proceedings of francophone multidisciplinary colloquium on materials, environment and electronics*, pag. 138-140, ISSN 2343-9092, ISSN-L 2343-9092, *Scientific Publications - University of Bacau [Revues]* (scientific reviews, abstracts and articles).

XII) The paper E. Olaru, M. Talmaciu, A Class of Partitionable Graphs, *Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie*, volume 48 (96), no. 3/2005, ISSN: 1220-3874, (factor impact 2012: 0,585), 313-317. is citable in:

1) Tomozei Cosmin, New Aspects Regarding Mobiles Devices Programmation, *Proceedings of francophone multidisciplinary colloquium on materials, environment and electronics*, pag. 138-140, ISSN 2343-9092, ISSN-L 2343-9092, *Scientific Publications - University of Bacau [Revues]* (scientific reviews, abstracts and articles).

A3.2.1 si A3.2.1. Presentations at international conferences

1. Mihai Talmaciu, Victor Lepin, On Doubly Chordal Graphs (short), presented at International Conference “Discrete Mathematics, Algebra and their Applications”, Minsk, Belarus, September, 14-18, 2015.

2. Mihai Talmaciu, Victor Lepin, Fast recognition of chair-free graphs, presented at ICGT 2014, Grenoble, France, 9th International colloquium on graph theory and combinatorics, June 30-July 4, 2014, 24-24.

3. Mihai Talmaciu, Efficient Determination of Biclique Partitions and their Applications in Network Security Risk Assessment, presented at Second International Conference on Natural and Anthropic Risks ICNAR2014, 04-07 June 2014, Bacau, Romania.

4. Mihai Talmaciu, Victor Lepin, *The recognition algorithms for chair-free graphs (short)*, presented at International scientific conference DISCRETE MATHEMATICS, GRAPH THEORY AND THEIR APPLICATIONS, (DIMA-2013), Minsk, Belarus, November, 11-14, 2013.
5. Mihai Talmaciu, Sergiu Cataranciu, *The recognition algorithms for murky unbreakable graphs (short)*, presented at International scientific conference DISCRETE MATHEMATICS, GRAPH THEORY AND THEIR APPLICATIONS, (DIMA-2013), Minsk, Belarus, November 11-14, 2013.
6. Mihai Talmaciu, *Investigations on the bisection problem*, presented at "Gheorghe Vrănceanu" National Conference on Mathematics and Informatics, Bacău, România, 31th of May, 2013.
7. Mihai Talmaciu, *Verification on the normal graph conjecture on particular classes of graphs*, presented at "Gheorghe Vrănceanu" National Conference on Mathematics and Informatics, Bacău, România, 31th of May, 2013.
8. Mihai Talmaciu, Elena Nechita, and Barna Iantovics, *On Confidentially Connected-Free Graphs*, MedDecSup '2012, International Workshop on Next Generation Intelligent Medical Decision Support Systems, Sofia, 2012
9. Talmaciu, M. - *A recognition algorithm and some optimization problems on weakly quasi-threshold graphs*, MedDecSup 2011, International Workshop on Next Generation Intelligent Medical Decision Support Systems, Tg. Mures, 2011
10. Talmaciu, M., Nechita, E. - *Optimization problems on threshold graphs*, Understanding Intelligent and Complex Systems, Tg. Mures, 2009
11. Mihai Talmaciu - *The normal graph conjecture is true for minimal unbreakable graphs*, Scientific Studies and Research, Proceedings of International Conference on Mathematics and Informatics ICMI 2009 Bacău, 2009
12. E. Nechita, M.Talmaciu, G.C.Crisan - *Recognizing Dart-Free Graphs*, Proceedings of ICCCC International Journal of Computers, Communications & Control, 2006
13. Mihai Talmaciu, Cornelius Croitoru - *Structural Graphs Search*, ICMI45, Bacău, 2006
14. M. Talmaciu- *A Class of Partitionable Graphs with Maximum Number of Edges*, The 7th Balkan Conference on Operational Research, Constanța, Romania, 2005

A3.3.2 Membru in colectivele de redactie sau comitete stiintifice al revistelor, organizator de manifestari stiintifice, internationale indexate ISI

Punctaj unic pentru fiecare activitate

BDI

Membru în colectivul de redacție al revistelor:

1. Studii și cercetări științifice, seria Matematică, a Catedrei de Matematică-Informatică
2. Scientific Studies and Research. Series Mathematics and Informatics

Membru în comitetele științifice ale revistelor:

3. Studii și cercetări științifice, seria Matematică, a Catedrei de Matematică-Informatică
4. Scientific Studies and Research. Series Mathematics and Informatics
5. International Journal of Computers, Communications & Control, Oradea

Membru în comitetele științifice ale unor manifestări (congrese, conferințe, colocvii, simpozioane)

1. International Conference on Mathematics and Informatics ICMI45, Bacău, September 18-20 2006
2. Conferinta Națională de Matematică și Informatică, Bacău, noiembrie 2007
3. Al XII-lea Congres al S.S.M.R. 2008
4. International Conference on Mathematics and Informatics ICMI 2 2009, second edition, Bacău, September 8-10 2009
5. Gheorghe Vrănceanu National Conference on Mathematics and Informatics with international participation NCMI2011 Bacău, 2011
6. Gheorghe Vrănceanu National Conference on Mathematics and Informatics with international participation, May 30-31 2013, Bacău
7. *The Romanian Society of Applied and Industrial Mathematics (ROMAI)*, Universitatea Vasile Alecsandri din Bacău (Facultatea de Științe), "Gh. Mihoc - C. Iacob" Institute of Mathematical Statistics and Applied Mathematics of the Romanian Academy (Bucharest), and the Academy of Romanian Scientists (Bucharest) au organizat of the 22nd Conference on Applied and Industrial Mathematics (CAIM) în 2014).
8. International Conference on Bio-Inspired Computational Methods Used for Difficult Problems Solving - Development of Intelligent and Complex Systems, Date: NOV 05-07, 2008 Petru Maior University, Targu Mures Romania & Romanian Acad Bucharest ROMANIA, BICS 2008

A3.4.2. Premii nationale in domeniu

- premii (acordate de CNCSIS / CNCS pentru publicarea de articole ISI): 4

1. 463 466 A Recognition Algorithm for a Class of Partitionable Graphs that Satisfies the Normal Graph Conjecture Science Citation Index Expanded Studies In Informatics And Control, Vol. 18, Issue 4, PG. 349-354, 2009 Automation And Control Systems 1220-1766 3 3
2. 53 53 Recognition Algorithm for Diamond-Free Graphs Informatica 18(3) 457-462 2007
3. 54 54 Recognition Algorithm For Antenna-Free Graphs Ijccc 3 Suppl.s., Proc. Of ICCCC 2008:508-511 2008
4. 93 62 Howoften does the parrando effect appear Fluctuation and letters 7 (2): C19-C25 Jun 2007 666

2. Calculul indicatorului de merit (A=A1+A2+A3)

Indicatorul de merit	Autoevaluare candidat
A =160+796,120+298	1246,45

3. Condiții minimale

Indicatori pe domenii	Autoevaluare candidat
Activitatea didactică și profesională: A1 = ...	160
Activitatea de cercetare: A2 = ...	795,45
Recunoașterea și impactul activității: A3 = ...	291
Total (A)	1246,45

4. Condiții minimale pe subcategorii

Indicatori pe subcategorii	Autoevaluare candidat
I Cărți și capitole în cărți de specialitate: A1.1.1 – A1.1.2	
Talmaciu, M. - A recognition algorithm and some optimization problems on weakly quasi-threshold graphs, Advanced Intelligent Computational Technologies and Decision Support, Systems Studies in Computational Intelligence, Publisher: Springer International Publishing, Editors: Roumen Kountchev, Barna Iantovics Volume 486, Series ISSN: 1860-949X, 2014, pp 211-217.	
Mihai Talmaciu, Elena Nechita, and Barna Iantovics, On Confidentially Connected-Free Graphs, Book Title: Advances in Intelligent Analysis of Medical Data and Decision Support Systems, DOI: 10.1007/978-3-319-00029-9_16, Print ISBN: 978-3-319-00028-2, Online ISBN: 978-3-319-00029-9, Series Title: Studies in Computational Intelligence, Series Volume: 473, Series ISSN: 1860-949X, Publisher: Springer International Publishing, Editors: Roumen Kountchev, Barna Iantovics , 473, 2013, pp 179-187.	
Mihai Talmaciu and Elena Nechita, Optimization problems in diamond-free graphs, Advanced Computational Technologies, Editors:Călin Enăchescu, Florin Gheorghe Filip, Barna Iantovics, Romanian Academy Publishing House, 185-192, 2012, Bucharest , ISBN 978-973-27-2256-5.	
Mihai Talmaciu – Numerical Methods, Publishing House Tehnica-Info, Chișinău, 2005, ISBN: 9975-63-270-X.	
Total A1.1.1 – A1.1.2	4 lucrari
II Material didactic / Lucrări didactice: A1.2.1 – A1.2.2	
Mihai Talmaciu, Alina-Mihaela Patriciu – Numerical Calculus , Publishing House PIM, Iași, 2008, ISBN: 978-606-520-013-5.	
Mihai Talmaciu – Graphs’ Algorithmic, Publishing House ALMA MATER, Bacău, 2008, ISBN: 978-973-1833-76-7.	
Elena Nechita, Gloria Cerasela Crișan, Mihai Talmaciu – Parallel and Distributed Algorithms, Publishing House ALMA MATER, Bacău, 2007, ISBN: 978-973-8392-81-6 .	
Mihai Talmaciu, Iulian Marius Furdu – Algorithms and Data Structures, Publishing House ALMA MATER, Bacău, 2008, ISBN: 978-973-1833-71-2 .	
Mihai Talmaciu, Alina-Mihaela Patriciu, Recipiente numerice in Pascal si C, EduSoft, 2005, 973-87655-2-8	
Mihai Talmaciu, Metode numerice, Colecția Științe Inginerești, Alma Mater, 2007, ISBN 978-973-8392-98-4	
Mihai Talmaciu, Alina-Mihaela Patriciu, Analiză numerică cu exemple în limbajele C și Pascal, EduSoft, 2005, 973-87655-2-8	
Total A1.2.1 – A1.2.2	7 lucrari
III Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI proceedings: A2.1	FI
Mihai TALMACIU, Victor LEPIN, Algorithms for the Recognition of Net-free Graphs and for Computing Maximum Cardinality Matchings in Claw-free Graphs, Studies in Informatics and Control, ISSN 1220-1766, vol. 23 (2), pp. 183-188, 2014.	0,913
Mihai Talmaciu, Elena Nechita, Barna Iantovics, Recognition and Combinatorial Optimization Algorithms for Bipartite Chain Graphs, Computing and Informatics, ISSN 1335-9150, Vol 32, No 2 , pp. 313-329, 2013.	0,504
Mihai Talmaciu, Determination of the Optimally Efficient Sets in Special Classes of Graphs, Studies in Informatics and Control, ISSN 1220-1766, vol. 21 (4), pp.	0,913

447-452, 2012.	
Elena Nechita, Mihai Talmaciu, Carmen Muraru- A bayesian approach for the assessment of risk probability. Case study for digital risk probability, Environmental Engineering and Management Journal, 11(12), 2012, 2249-2256, ISSN 1582-9596 (factor de impact 2011: 1.004).	1.065
Talmaciu, M; Nechita, E, On partitionable, confidentially connected and unbreakable graphs, Analele Scientifice ale Universitatii Ovidius Constanta - Seria Matematica, ISSN (print:1224-1784; electronic:1844-0835), Vol:19, Issue:1, 2011, page: 263-273.	0,333
Nechita, E; Talmaciu, M; Timofti, I, et al., Study Concerning The Access To Online Educational Resources And The Use Of Online Collaborative Instruments, 6th International Seminar on the Quality Management in Higher Education, 2010, volume 2, page 567-570.	0,25
Talmaciu M., Nechita E., On Polar, Trivially Perfect Graphs, International Journal of Computers Communications & Control, ISSN 1841-9836, 5(5): 939-945, 2010.	0,746
Talmaciu M., Nechita E., Some Combinatorial Optimization Problems for Weak-Bisplit Graphs, SIC, 4, 2010, page 427-434.	0,913
Talmaciu, M., Nechita, E., Crisan, G.C. - A Recognition Algorithm for a Class of Partitionable Graphs that Satisfies the Normal Graph Conjecture, Studies In Informatics And Control, Vol. 18, Issue 4, Page. 349-354, 2009.	0,913
Talmaciu, M., Nechita, E. - An Algorithm For The Bisection Problem On Trivially Perfect Graphs, International Conference on Bi-Inspired Computational Methods Used for Difficult Problems Solving - Development of Intelligent and Complex Systems, Date: NOV 05-07, 2008 Petru Maior Univ, Tg Mures Romania & Romanian Acad Bucharest Romania, Advanced Bio-Inspired Computational Methods Pages: 87-93, 2008 (the short version of paper 12).	0,25
Nechita, E., Muraru, C.V., Talmaciu, M., Mechanisms In Social Insect Societies And Their Use In Optimization. A Case Study For Trail Laying Behavior, International Conference on Bi-Inspired Computational Methods Used for Difficult Problems Solving - Development of Intelligent and Complex Systems, Date: NOV 05-07, 2008 Petru Maior Univ, Tg Mures Romania & Romanian Academy Bucharest Romania, Advanced Bio-Inspired Computational Methods, Pages: 176-183, 2008 (the short version of paper 13).	0,25
Talmaciu, M., Nechita, E., An Algorithm for the Bisection Problem on Trivially Perfect Graphs, Conference Information: International Conference on Bio-Inspired Computational Methods Used for Difficult Problems Solving - Development of Intelligent and Complex Systems, Date: NOV 05-07, 2008 Petru Maior Univ, Tg Mures Romania & Romanian Acad Bucharest Romania, Source: BICS 2008: Proceedings Of The 1st International Conference On Bio-Inspired Computational Methods Used For Solving Difficult Problems-Development Of Intelligent And Complex Systems Volume: 1117 Pages: 60-66, 2008 (the long version of paper 10).	0,25
Nechita, E., Muraru, C.V., Talmaciu, M., Mechanisms in Social Insect Societies and their Use in Optimization. A Case Study for Trail Laying Behavior, Conference Information: International Conference on Bio-Inspired Computational Methods Used for Difficult Problems Solving - Development of Intelligent and Complex Systems, Date: NOV 05-07, 2008 Petru Maior University, Targu Mures Romania & Romanian Acad Bucharest ROMANIA, BICS 2008: Proceedings Of The 1st International Conference On Bio-Inspired Computational Methods Used For Solving Difficult Problems-Development Of Intelligent And Complex Systems Volume: 1117 Pages: 171-179, 2008 (the long version of paper 11).	0,25
Nechita, E., Crisan, G.C., Talmaciu, M., Cooperative Ant Colonies for Vehicle Routing Problem with Time Windows. A Case Study in the Distribution of Dietary Products, Conference Information: 12th World Multi-Conference on Systemics, Cybernetics and Informatics/14th International Conference on Information Systems Analysis and Synthesis, Date: Jun 29-Jul 02, 2008 Orlando FL, WMSCI 2008: 12th World Multi-Conference On Systemics, Cybernetics And Informatics, Vol V, Proceedings Pages: 48-52, 2008.	0,25
Talmaciu, M., Nechita, E., A Hybrid Algorithm for the Bisection Problem in O-graphs, Conference Information: 12th World Multi-Conference on Systemics, Cybernetics and Informatics/14th International Conference on Information Systems Analysis and Synthesis, Date: JUN 29-JUL 02, 2008 Orlando FL, WMSCI 2008: 12th World Multi-Conference On Systemics, Cybernetics And Informatics, Vol V, Proceedings Pages: 57-60, 2008.	0,25
Talmaciu, M., Nechita, E., Recognition algorithm for antenna-free graphs,	0,746

International Journal Of Computers Communications & Control Volume: 3 Pages: 508-511, 2008.	
Talmaciu, M., Nechita, E., Recognition algorithm for diamond-free graphs, Informatica, ISSN(print:0868-4952; online:1822-8844), Volume: 18, Issue:3, Pages: 457-462, 2007.	0873
Crisan, G.C., Nechita, E., Talmaciu, M., How often does the Parrondo effect appear?, Fluctuation And Noise Letters, ISSN (print: 0219-4775, online: 1793- 6780), Volume: 7 Issue: 2 Pages: C19-C25, 2007.	0,811
Crisan, GC; Nechita, E; Talmaciu, M, et al., Using centrality indices in Ant Systems, International Journal Of Computers Communications & Control Volume: 1 Pages: 146-149, 2006.	0,746
Nechita, E., Talmaciu, M., Crisan, G.C., Recognizing dart-free graphs, International Journal Of Computers Communications & Control Volume: 1 Pages: 332-335, 2006.	0,746
E. Olaru, M. Talmaciu, A Class of Partitionable Graphs, Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie, volume 48 (96), no. 3/2005, ISSN: 1220-3874, 313-317.	0,521
C. Croitoru, M. Talmaciu, On Confidentially connected graphs, Bul. Stiint. Univ. Baia Mare, Ser. B Matematică-Informatică (actual: Carpathian Journal of Mathematics), Vol. VI(2000), Second International Conference on Applied Mathematics, October 2000, Nr.1, ISSN: 1584 – 2851, 13-16.	0.792
Total A2.1	22 lucrari
IV Granturi / proiecte câștigate prin competiție (Director / Responsabil): A2.4.1	
Structural properties and algorithmic complexity of graph theory problems - Bilateral Cooperation between the Romanian Academy ("Vasile Alecsandri" University of Bacau is partner) and the National Academy of Sciences of Belarus and Belarusian Republican Foundation for Fundamental Research, ("AR-FRBCF", 2016-2017) - leader of the Romanian.	
Decomposition of graphs and solving discrete optimization problems - Bilateral Cooperation between the Romanian Academy ("Vasile Alecsandri" University of Bacau is partner) and the National Academy of Sciences of Belarus and Belarusian Republican Foundation for Fundamental Research - leader of the Romanian, ("AR- FRBCF", 2014-2015) - leader of the Romanian.	
Classes of graphs, complexity of problems and algorithms - Bilateral Cooperation between the Romanian Academy ("Vasile Alecsandri" University of Bacau is partner) and the National Academy of Sciences of Belarus and Belarusian Republican Foundation for Fundamental Research, ("AR-FRBCF", 2012-2013) - leader of the Romanian.	
Total A2.4.1	3 proiecte
V Număr de citări în cărți, reviste și volume ale unor manifestări științifice ISI sau BDI: A3.1.1 – A3.1.2	
Citările pentru lucrarea L1: 1,2,3,4	
Citările pentru lucrarea L2: 5,6,7,8	
Citările pentru lucrarea L3: 9,10	
Citările pentru lucrarea L4: 11,12,13,14,15	
Citările pentru lucrarea L5: 16	
Citările pentru lucrarea L6: 17,18	
Citările pentru lucrarea L7: 19	
Citările pentru lucrarea L8: 20	
Citările pentru lucrarea L9: 21	
Citările pentru lucrarea L10: 22	
Citările pentru lucrarea L11: 23	
Citările pentru lucrarea L12: 24	
Total A3.1.1 – A3.1.2	24 Citări
VI Factor de impact cumulat pentru publicații	
Suma FI pentru cele 22 de publicații de la punctul III	12,372
Total factor de impact cumulat	12,372

Nr. crt.	Domeniu de activitate	Profesor / Abilitare	Realizat
A1	Activitatea didactică / profesională (A1)	100	160
A2	Activitatea de cercetare (A2)	500	795,45
A3	Recunoașterea și impactul activității (A3)	100	291
Total (A)		700	1246,45

Condiții minimale pe subcategorii		Profesor / Abilitare	Realizat
A1.1.1–A1.1.2	Cărți și capitole în cărți de specialitate	4 cărți / capitole	4 lucrari
A1.2.1–A1.2.2	Material didactic / Lucrări didactice	2	7 lucrari
A2.1	Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI proceedings	12	22 lucrari
A2.4.1	Granturi / proiecte câștigate prin competiție (Director / Responsabil)	2	3 proiecte
A3.1.1–A3.1.2	Număr de citări în cărți, reviste și volume ale unor manifestări științifice ISI sau BDI	20	24 Citări
	Factor de impact cumulat pentru publicații	6	12,372

Daca consideram factorul de impact din 2016 atunci avem:

Nr crt	Revista	ISSN	FI: 2016 [cel la intocmirea listei]
1	Studies in Informatics and Control	1220-1766	0,338 [0,913]
2	Computing and Informatics	1335-9150	0,233 [0,504]
3	Environmental Engineering and Management Journal	1582-9596	0,324 [1.065]
4	Analele Scientifice ale Universitatii Ovidius Constanta - Seria Matematica	1224-1784	0,524 [0,333]
5	International Journal of Computers Communications & Control	1841-9836	0,384 [0,746]
6	Informatica	0868-4952	1,303 [0,873]
7	Fluctuation And Noise Letters	0219-4775	0,555 [0,811]
8	Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie	1220-3874	0,537 [0,521]
9	Bul. Stiint. Univ. Baia Mare, Ser. B Matematică-Informatică (actual: Carpathian Journal of Mathematics)	1584-2851	0,830 [0.792]

Autoevaluarea cu FI din: 2016

Nr. crt.	Elemente de identificare ale lucrării	Subcategoria	Autoevaluare candidat
1.	Mihai TALMACIU, Victor LEPIN, Algorithms for the Recognition of Net-free Graphs and for Computing Maximum Cardinality Matchings in Claw-free Graphs, Studies in Informatics and Control, ISSN 1220-1766, vol. 23 (2), pp. 183-188, 2014.	A2.1	$(25 + 20 * 0,338) / 2 = 15,88$
2.	Mihai Talmaciu, Elena Nechita, Barna Iantovics, Recognition and Combinatorial Optimization Algorithms for Bipartite Chain Graphs, Computing and Informatics, ISSN 1335-9150, Vol 32, No 2 , pp. 313-329, 2013.	A2.1	$(25 + 20 * 0,233) / 3 = 9,89$

3	Mihai Talmaciu, Determination of the Optimally Efficient Sets in Special Classes of Graphs, Studies in Informatics and Control, ISSN 1220-1766, vol. 21 (4), pp. 447-452, 2012.	A2.1	$(25 + 20 * 0,338) / 1 = 31,76$
4	Elena Nechita, Mihai Talmaciu, Carmen Muraru- A bayesian approach for the assessment of risk probability. Case study for digital risk probability, Environmental Engineering and Management Journal, 11(12), 2012, 2249-2256, ISSN 1582-9596 (factor de impact 2011: 1.004).	A2.1	$(25 + 20 * 0,324) / 3 = 10,49$
5	Talmaciu, M; Nechita, E, On partitionable, confidentially connected and unbreakable graphs , Analele Scientifice ale Universitatii Ovidius Constanta - Seria Matematica, ISSN (print:1224-1784; electronic:1844-0835),Vol:19, Issue:1, 2011, page: 263-273.	A2.1	$(25 + 20 * 0,524) / 2 = 17,74$
6	Nechita, E; Talmaciu, M; Timofti, I, et al., Study Concerning The Access To Online Educational Resources And The Use Of Online Collaborative Instruments , 6th International Seminar on the Quality Management in Higher Education, 2010, volume 2, page 567-570.	A2.1	$(25 + 20 * 0,25) / 4 = 7,5$
7	Talmaciu M., Nechita E., On Polar, Trivially Perfect Graphs, International Journal of Computers Communications & Control, ISSN 1841-9836, 5(5): 939-945, 2010.	A2.1	$(25 + 20 * 0,384) / 2 = 16,34$
8	Talmaciu M., Nechita E., Some Combinatorial Optimization Problems for Weak-Bisplit Graphs, SIC, 4, 2010, page 427-434.	A2.1	$(25 + 20 * 0,338) / 2 = 15,88$
9	Talmaciu, M., Nechita, E., Crisan, G.C. - A Recognition Algorithm for a Class of Partitionable Graphs that Satisfies the Normal Graph Conjecture, Studies In Informatics And Control, Vol. 18, Issue 4, Page. 349-354, 2009.	A2.1	$(25 + 20 * 0,338) / 3 = 10,59$
10	Talmaciu, M., Nechita, E. - An Algorithm For The Bisection Problem On Trivially Perfect Graphs , International Conference on Bi-Inspired Computational Methods Used for Difficult Problems Solving - Development of Intelligent and Complex Systems, Date: NOV 05-07, 2008 Petru Maior Univ, Tg Mures Romania & Romanian Acad Bucharest Romania, Advanced Bio-Inspired Computational Methods Pages: 87-93, 2008 (the short version of paper 12).	A2.1	$(25 + 20 * 0,25) / 2 = 15,00$
11	Nechita, E., Muraru, C.V., Talmaciu, M., Mechanisms In Social Insect Societies And Their Use In Optimization. A Case Study For Trail Laying Behavior , International Conference on Bi-Inspired Computational Methods Used for Difficult Problems Solving - Development of Intelligent and Complex Systems, Date: NOV 05-07, 2008 Petru Maior Univ, Tg Mures Romania & Romanian Academy Bucharest Romania, Advanced Bio-Inspired Computational Methods, Pages: 176-183, 2008 (the short version of paper 13).	A2.1	$(25 + 20 * 0,25) / 3 = 10,00$
12	Talmaciu, M., Nechita, E., An Algorithm for the Bisection Problem on Trivially Perfect Graphs , Conference Information: International Conference on Bio-Inspired Computational Methods Used for Difficult Problems Solving - Development of Intelligent and Complex Systems, Date: NOV 05-07, 2008 Petru Maior Univ, Tg Mures Romania & Romanian Acad Bucharest Romania, Source: BICS 2008: Proceedings Of The 1st International Conference On Bio-Inspired Computational Methods Used For Solving Difficult Problems-Development Of Intelligent And Complex Systems Volume: 1117 Pages: 60-66, 2008 (the long version of paper 10).	A2.1	$(25 + 20 * 0,25) / 2 = 15,00$
13	Nechita, E., Muraru, C.V., Talmaciu, M., Mechanisms in Social Insect Societies and their Use in Optimization. A Case Study for Trail Laying Behavior , Conference Information: International Conference on Bio-Inspired Computational Methods Used for Difficult Problems Solving - Development of Intelligent and Complex Systems, Date: NOV 05-07, 2008 Petru Maior University, Targu Mures Romania & Romanian Acad Bucharest ROMANIA, BICS 2008: Proceedings Of The 1st International Conference On Bio-Inspired Computational Methods Used For Solving Difficult Problems-Development	A2.1	$(25 + 20 * 0,25) / 3 = 10,00$

	Of Intelligent And Complex Systems Volume: 1117 Pages: 171-179, 2008 (the long version of paper 11).		
14	Nechita, E., Crisan, G.C., Talmaciu, M., Cooperative Ant Colonies for Vehicle Routing Problem with Time Windows. A Case Study in the Distribution of Dietary Products , Conference Information: 12th World Multi-Conference on Systemics, Cybernetics and Informatics/14th International Conference on Information Systems Analysis and Synthesis, Date: Jun 29-Jul 02, 2008 Orlando FL, WMSCI 2008: 12th World Multi-Conference On Systemics, Cybernetics And Informatics, Vol V, Proceedings Pages: 48-52, 2008.	A2.1	$(25 + 20 * 0,25) / 3 = 10,00$
15	Talmaciu, M., Nechita, E., A Hybrid Algorithm for the Bisection Problem in O-graphs , Conference Information: 12th World Multi-Conference on Systemics, Cybernetics and Informatics/14th International Conference on Information Systems Analysis and Synthesis, Date: JUN 29-JUL 02, 2008 Orlando FL, WMSCI 2008: 12th World Multi-Conference On Systemics, Cybernetics And Informatics, Vol V, Proceedings Pages: 57-60, 2008.	A2.1	$(25 + 20 * 0,25) / 2 = 15,00$
16	Talmaciu, M., Nechita, E., Recognition algorithm for antenna-free graphs , International Journal Of Computers Communications & Control Volume: 3 Pages: 508-511, 2008.	A2.1	$(25 + 20 * 0,384) / 2 = 16,34$
17	Talmaciu, M., Nechita, E., Recognition algorithm for diamond-free graphs , Informatica, ISSN(print:0868-4952; online:1822-8844), Volume: 18, Issue:3, Pages: 457-462, 2007.	A2.1	$(25 + 20 * 1,303) / 2 = 25,53$
18	Crisan, G.C., Nechita, E., Talmaciu, M., How often does the Parrondo effect appear? , Fluctuation And Noise Letters, ISSN (print: 0219-4775, online: 1793-6780), Volume: 7 Issue: 2 Pages: C19-C25, 2007.	A2.1	$(25 + 20 * 0,555) / 3 = 12,03$
19	Crisan, GC; Nechita, E; Talmaciu, M, et al., Using centrality indices in Ant Systems , International Journal Of Computers Communications & Control Volume: 1 Pages: 146-149, 2006.	A2.1	$(25 + 20 * 0,384) / 4 = 8,17$
20	Nechita, E., Talmaciu, M., Crisan, G.C., Recognizing dart-free graphs , International Journal Of Computers Communications & Control Volume: 1 Pages: 332-335, 2006.	A2.1	$(25 + 20 * 0,384) / 3 = 10,89$
21	E. Olaru, M. Talmaciu, A Class of Partitionable Graphs, Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie, volume 48 (96), no. 3/2005, ISSN: 1220-3874, 313-317.	A2.1	$(25 + 20 * 0,537) / 2 = 17,87$
22	C. Croitoru, M. Talmaciu, On Confidentially connected graphs, Bul. Stiint. Univ. Baia Mare, Ser. B Matematică-Informatică (actual: Carpathian Journal of Mathematics), Vol. VI(2000), Second International Conference on Applied Mathematics, October 2000, Nr.1, ISSN: 1584 – 2851, 13-16.	A2.1	$(25 + 20 * 0,830) / 2 = 20,8$
	TOTAL A2.1		312,7

III Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI proceedings: A2.1	FI in 2016
Mihai TALMACIU, Victor LEPIN, Algorithms for the Recognition of Net-free Graphs and for Computing Maximum Cardinality Matchings in Claw-free Graphs, Studies in Informatics and Control, ISSN 1220-1766, vol. 23 (2), pp. 183-188, 2014.	0,338
Mihai Talmaciu, Elena Nechita, Barna Iantovics, Recognition and Combinatorial Optimization Algorithms for Bipartite Chain Graphs, Computing and Informatics, ISSN 1335-9150, Vol 32, No 2 , pp. 313-329, 2013.	0,233
Mihai Talmaciu, Determination of the Optimally Efficient Sets in Special Classes of Graphs, Studies in Informatics and Control, ISSN 1220-1766, vol. 21 (4), pp. 447-452, 2012.	0,338
Elena Nechita, Mihai Talmaciu, Carmen Muraru- A bayesian approach for the assessment of risk probability. Case study for digital risk probability, Environmental Engineering and Management Journal, 11(12), 2012, 2249-2256, ISSN 1582-9596 (factor de impact 2011: 1.004).	0,324

Talmaciu, M; Nechita, E, On partitionable, confidentially connected and unbreakable graphs, <i>Analele Scientifice ale Universitatii Ovidius Constanta - Seria Matematica</i> , ISSN (print:1224-1784; electronic:1844-0835), Vol:19, Issue:1, 2011, page: 263-273.	0,524
Nechita, E; Talmaciu, M; Timofti, I, et al., Study Concerning The Access To Online Educational Resources And The Use Of Online Collaborative Instruments, 6th International Seminar on the Quality Management in Higher Education, 2010, volume 2, page 567-570.	0,25
Talmaciu M., Nechita E., On Polar, Trivially Perfect Graphs, <i>International Journal of Computers Communications & Control</i> , ISSN 1841-9836, 5(5): 939-945, 2010.	0,384
Talmaciu M., Nechita E., Some Combinatorial Optimization Problems for Weak-Bisplit Graphs, <i>SIC</i> , 4, 2010, page 427-434.	0,338
Talmaciu, M., Nechita, E., Crisan, G.C. - A Recognition Algorithm for a Class of Partitionable Graphs that Satisfies the Normal Graph Conjecture, <i>Studies In Informatics And Control</i> , Vol. 18, Issue 4, Page. 349-354, 2009.	0,338
Talmaciu, M., Nechita, E. - An Algorithm For The Bisection Problem On Trivially Perfect Graphs, <i>International Conference on Bi-Inspired Computational Methods Used for Difficult Problems Solving - Development of Intelligent and Complex Systems</i> , Date: NOV 05-07, 2008 Petru Maior Univ, Tg Mures Romania & Romanian Acad Bucharest Romania, <i>Advanced Bio-Inspired Computational Methods</i> Pages: 87-93, 2008 (the short version of paper 12).	0,25
Nechita, E., Muraru, C.V., Talmaciu, M., Mechanisms In Social Insect Societies And Their Use In Optimization. A Case Study For Trail Laying Behavior , <i>International Conference on Bi-Inspired Computational Methods Used for Difficult Problems Solving - Development of Intelligent and Complex Systems</i> , Date: NOV 05-07, 2008 Petru Maior Univ, Tg Mures Romania & Romanian Academy Bucharest Romania, <i>Advanced Bio-Inspired Computational Methods</i> , Pages: 176-183, 2008 (the short version of paper 13).	0,25
Talmaciu, M., Nechita, E., An Algorithm for the Bisection Problem on Trivially Perfect Graphs , <i>Conference Information: International Conference on Bio-Inspired Computational Methods Used for Difficult Problems Solving - Development of Intelligent and Complex Systems</i> , Date: NOV 05-07, 2008 Petru Maior Univ, Tg Mures Romania & Romanian Acad Bucharest Romania, Source: BICS 2008: <i>Proceedings Of The 1st International Conference On Bio-Inspired Computational Methods Used For Solving Difficult Problems-Development Of Intelligent And Complex Systems</i> Volume: 1117 Pages: 60-66, 2008 (the long version of paper 10).	0,25
Nechita, E., Muraru, C.V., Talmaciu, M., Mechanisms in Social Insect Societies and their Use in Optimization. A Case Study for Trail Laying Behavior , <i>Conference Information: International Conference on Bio-Inspired Computational Methods Used for Difficult Problems Solving - Development of Intelligent and Complex Systems</i> , Date: NOV 05-07, 2008 Petru Maior University, Targu Mures Romania & Romanian Acad Bucharest ROMANIA, BICS 2008: <i>Proceedings Of The 1st International Conference On Bio-Inspired Computational Methods Used For Solving Difficult Problems-Development Of Intelligent And Complex Systems</i> Volume: 1117 Pages: 171-179, 2008 (the long version of paper 11).	0,25
Nechita, E., Crisan, G.C., Talmaciu, M., Cooperative Ant Colonies for Vehicle Routing Problem with Time Windows. A Case Study in the Distribution of Dietary Products , <i>Conference Information: 12th World Multi-Conference on Systemics, Cybernetics and Informatics/14th International Conference on Information Systems Analysis and Synthesis</i> , Date: Jun 29-Jul 02, 2008 Orlando FL, WMSCI 2008: <i>12th World Multi-Conference On Systemics, Cybernetics And Informatics</i> , Vol V, <i>Proceedings</i> Pages: 48-52, 2008.	0,25
Talmaciu, M., Nechita, E., A Hybrid Algorithm for the Bisection Problem in O-graphs , <i>Conference Information: 12th World Multi-Conference on Systemics, Cybernetics and Informatics/14th International Conference on Information Systems Analysis and Synthesis</i> , Date: JUN 29-JUL 02, 2008 Orlando FL, WMSCI 2008: <i>12th World Multi-Conference On Systemics, Cybernetics And Informatics</i> , Vol V, <i>Proceedings</i> Pages: 57-60, 2008.	0,25
Talmaciu, M., Nechita, E., Recognition algorithm for antenna-free graphs , <i>International Journal Of Computers Communications & Control</i> Volume: 3 Pages: 508-511, 2008.	0,384
Talmaciu, M., Nechita, E., Recognition algorithm for diamond-free graphs , <i>Informatica</i> , ISSN(print:0868-4952; online:1822-8844), Volume: 18, Issue:3, Pages: 457-462, 2007.	1,303

Crisan, G.C., Nechita, E., Talmaciu, M., How often does the Parrondo effect appear? , Fluctuation And Noise Letters, ISSN (print: 0219-4775, online: 1793-6780), Volume: 7 Issue: 2 Pages: C19-C25, 2007.	0,555
Crisan, GC; Nechita, E; Talmaciu, M, et al., Using centrality indices in Ant Systems , International Journal Of Computers Communications & Control Volume: 1 Pages: 146-149, 2006.	0,384
Nechita, E., Talmaciu, M., Crisan, G.C., Recognizing dart-free graphs , International Journal Of Computers Communications & Control Volume: 1 Pages: 332-335, 2006.	0,384
E. Olaru, M. Talmaciu, A Class of Partitionable Graphs, Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie, volume 48 (96), no. 3/2005, ISSN: 1220-3874, 313-317.	0,537
C. Croitoru, M. Talmaciu, On Confidentially connected graphs, Bul. Stiint. Univ. Baia Mare, Ser. B Matematică-Informatică (actual: Carpathian Journal of Mathematics), Vol. VI(2000), Second International Conference on Applied Mathematics, October 2000, Nr.1, ISSN: 1584 – 2851, 13-16.	0,830
Total A2.1	22 lucrari (FI in 2016: 8,56)

Deci, Total A2.1 devine: 312,7 (adica se micsoreaza cu 51,09=363,79-312,7), iar Factor de impact cumulat pentru publicații este: 8,56 (fata de 12,372).

Declar pe propria răspundere că informațiile prezentate în această fișă de autoevaluare sunt adevărate.

Data completării

Semnătura