

Alexandru-Adrian Tantar, total punctaj fisa de autoevaluare:

$$0,7 \times 2548,208 + 0,3 \times 70 = 1804,7456$$

CRITERII	DESCRIPTORI	PUNCTAJE ACORDATE
I. ACTIVITATEA DE CERCETARE (70%) Punctaj: 230,2+99,5+47,71+166,66+100+974,138+210+50+10+660= 2548,208p		
47,408+43,135+50,886+34,413+17,69+36,668= 230,2	1. Articole științifice publicate in extenso în reviste cotate Web of Science cu factor de impact	(60 puncte x factor de impact + 25) / număr autori
	Panuwat Trairatphisan, Andrzej Mizera, Jun Pang, Alexandru-Adrian Tantar, Thomas Sauter, optPBN: An Optimisation Toolbox for Probabilistic Boolean Networks. PLoS ONE 9(7): e98001. doi:10.1371/journal.pone.0098001, 2014.	Punctaj: (60 x 3.534+25)/5= 47,408p
	Pierre Minvielle, Emilia Tantar, Alexandru-Adrian Tantar, Philippe Bérisset: Sparse antenna array optimization with the cross-entropy method . IEEE Transactions on Antennas and Propagation 59 (8): 2862-2871 (2011)	Punctaj: (60x 2.459+25)/4=43,135p
	Panuwat Trairatphisan, Andrzej Mizera, Jun Pang, Alexandru-Adrian Tantar, Jochen Schneider, Thomas Sauter, Recent development and biomedical applications of probabilistic Boolean networks, Cell Communication and Signaling, vol. 11, no. 1, pp. 1–25, BioMed Central, 2013. http://dx.doi.org/10.1186/1478-811X-11-46	Punctaj: (60x 4.672+25)/4=50,886p
	Alexandru-Adrian Tantar, Nouredine Melab, El-Ghazali Talbi, A Grid-based Genetic Algorithm combined with an	Punctaj: (60x 1.304+25)/4=34,413p

	Adaptive Simulated Annealing for Protein Structure Prediction. Soft Computing Journal – A Fusion of Foundations, Methodologies and Applications, Special issue on Distributed Bioinspired Algorithms, vol. 12(12), pp. 1185–1198, Springer Berlin/Heidelberg, 2008.	
	Alexandru-Adrian Tantar, Sebastien Conilleau, Benjamin Parent, Nouredine Melab, Lorraine Brillet, Sylvaine Roy, El-Ghazali Talbi and Dragos Horvath, Docking and Biomolecular Simulations on Computer Grids: Status and Trends. Current Computer-Aided Drug Design, vol. 4(3), pp. 235–249(15), Bentham Science Publishers, ISSN: 1573-4099, 2008.	Punctaj: $(60 \times 1.942 + 25) / 8 = 17,69p$
	A-A. Tantar, N. Melab, E-G. Talbi, H. Dragos and B. Parent, A Parallel Hybrid Genetic Algorithm for Protein Structure Prediction on the Computational Grid. Elsevier Science, Future Generation Computer Systems, vol. 23(3), pp. 398-409, Elsevier Science Publishers B.V., Amsterdam, The Netherlands, 2007.	Punctaj: $(60 \times 2.639 + 25) / 5 = 36,668p$
	<i>2. Articole științifice publicate in extenso în reviste indexate Web of Science fără factor de impact</i>	<i>20 puncte / număr autori</i>
	—	
	<i>3. Articole științifice publicate in extenso în reviste indexate BDI</i>	<i>15 puncte / număr autori</i>
	—	
10+6+7,5+10+3,75+7,5+3,75+6+10+10+7,5+5+5+3,75+3,75=99,5	<i>4. Articole științifice publicate in extenso în volumele conferințelor</i>	<i>indexate ISI: 30 puncte / număr autori indexate în BDI: 15 puncte / număr autori alte categorii: 5 puncte / număr autori</i>

	Alexandru-Adrian Tantar , Emilia Tantar, Oliver Schütze : Asymmetric quadratic landscape approximation model. GECCO 2014 : 493-500	Punctaj: 30/3=10p
	Alexandru-Adrian Tantar, Anh Quan Nguyen, Pascal Bouvry, Bernabe Dorronsoro and El-Ghazali Talbi, Computational Intelligence for Cloud Management Current Trends and Opportunities, Evolutionary Computation (CEC), 2013 IEEE Congress on, pp.1286,1293, 20-23 June 2013. http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6557713&isnumber=6557545	Punctaj: 30/5=6p
	Z. Guede, A. Tantar, E. Tantar, P. Del Moral, Application of a particle filter-based subset simulation to the reliability assessment of a marine structure, 31th International Conference on Ocean, Offshore and Artic Engineering, OMAE2012, July 1-6, 2012, Rio de Janeiro, Brazil, 2012.	Punctaj: 30/4=7,5p
	Emilia Tantar, Alexandru-Adrian Tantar , Pascal Bouvry : On dynamic multi-objective optimization, classification and performance measures. IEEE Congress on Evolutionary Computation 2011 : 2759-2766	Punctaj: 30/3=10p
	Dragos Horvath, Lorraine Brillet, Sylvaine Roy, Sébastien Conilleau, Alexandru-Adrian Tantar, Jean-Charles Boisson, Nouredine Melab and El- Ghazali Talbi, Local vs. Global Search Strategies in Evolutionary GRID-based Conformational Sampling & Docking. Evolutionary Computation in Bioinformatics and Computational Biology, IEEE Congress, Evolutionary Computation, CEC'09, pp. 247–254, ISBN: 978-1-4244-2958-5, 2009.	Punctaj: 30/8=3,75p

	Jorge Tavares, Alexandru-Adrian Tantar, Nouredine Melab, El-Ghazali Talbi, The Influence of Mutation on Protein-Ligand Docking Optimization: a Locality Analysis. Lecture Notes in Computer Science, Parallel Problem Solving From Nature – PPSN X, 2008, September 13-17, Technische Universität Dortmund, Germany, vol. 5199, pp. 589– 598, Springer Berlin/Heidelberg, ISBN: 978-3-540-87699-1, 2008.	Punctaj: 30/4=7,5p
	Jorge Tavares, Alexandru-Adrian Tantar, Nouredine Melab, El-Ghazali Talbi, The Impact of Local Search on Protein-Ligand Docking Optimization. Hybrid Intelligent Systems, International Conference on, 10-12 Sept. 2008, pp. 53-58, 2008.	Punctaj: 15/4=3,75p
	Benjamin Parent, Alexandru Tantar, Nouredine Melab, El-Ghazali Talbi, Dragos Horvath, Grid-based evolutionary strategies applied to the conformational sampling problem. Evolutionary Computation, 2007. CEC 2007, IEEE Congress on, 25-28 Sept. 2007, pp. 291–296, September 25-28, ISBN: 978-1-4244-1339-3, 2007.	Punctaj: 30/5=6p
	A-A. Tantar, N. Melab and E-G. Talbi, A Comparative Study of Parallel Meta- heuristics for Protein Structure Prediction on the Computational Grid. Proc. of the 10th IEEE/ACM Intl. Workshop on Nature Inspired Distributed Computing (NIDISC'07), Parallel and Distributed Processing Symposium, IPDPS 2007, Long Beach, California, March 26–30, pp. 1–10, ISBN: 1-4244-0910-1, 2007.	Punctaj: 15/3=10p
	Pierre Del Moral , Alexandru-Adrian Tantar , Emilia Tantar:	Punctaj: 30/3=10p

	On the Foundations and the Applications of Evolutionary Computing. EVOLVE 2013 : 3-89	
	Alexandru-Adrian Tantar, Emilia Tantar, A survey on sustainability in ICT: a computing perspective, in Proceedings of the Genetic and Evolutionary Computation Conference, GECCO '14 Companion, pp. 1213-1220, Vancouver, BC, Canada, July 12- 16, 2014, ISBN: 978-1-4503-2881-4.	Punctaj: 15/2=7,5p
	Alexandru-Adrian Tantar , Emilia Tantar, Pascal Bouvry : A classification of dynamic multi-objective optimization problems. GECCO (Companion) 2011 : 105-106	Punctaj: 15/3=5p
	Alexandru-Adrian Tantar, Emilia Tantar, Pascal Bouvry, Load balancing for sustainable ICT, in Proceedings of Genetic and Evolutionary Computation Conference, GreenIT Evolutionary Computation Workshop, 13th Annual Genetic and Evolutionary Computation Conference (GECCO 2011), ACM, 2011, pp. 733-738, Dublin, Ireland, July 12-16, 2011, ISBN: 978-1-4503-0690-4.	Punctaj: 15/3=5p
	Emilia Tantar, Alexandru-Adrian Tantar , Nouredine Melab , El-Ghazali Talbi : Landscape Analysis in Adaptive Metaheuristics for Grid Computing. Parallel Programming, Models and Applications in Grid and P2P Systems 2009 : 313-344	Punctaj: 15/4=3,75p
	Alexandru-Adrian Tantar, Nouredine Melab, El-Ghazali Talbi and Bernard Tournel, Solving the Protein Folding Problem with a Bicriterion Genetic Algorithm on the Grid. Cluster Computing and the Grid, IEEE International Symposium on, Fourth International Workshop on Biomedical Computations on the Grid (BioGrid'06), Singapore, May 16-19, vol. 2, pp. 43, 2006.	Punctaj: 15/4=3,75p

10+8,57+8,57+8,57+6+6=47,71p	7. Coordonarea și editarea de volume, traduceri și antologii	edituri academice internaționale: 60 puncte / număr autori
	Evolutionary Computing & Complex Systems, Soft Computing Journal (A Fusion of Foundations, Methodologies and Applications / Computational Intelligence and Complexity), Tantar A., Tantar E. Bouvry P., Schütze O., Coello Coello C., Del Moral Pierre (Guest Editors), Di Nola A. (Editor-in-Chief), Loia V. (Co-Editor-in-Chief), 2012.	Punctaj: 60/6=10p
	Emilia Tantar , Alexandru-Adrian Tantar, Pascal Bouvry , Pierre Del Moral , Pierrick Legrand , Carlos A. Coello Coello , Oliver Schütze : EVOLVE - A Bridge between Probability, Set Oriented Numerics and Evolutionary Computation. Studies in Computational Intelligence 447, Springer 2013, ISBN 978-3-642-32725-4	Punctaj: 60/7=8,57p
	Oliver Schütze , Carlos A. Coello Coello , Alexandru-Adrian Tantar, Emilia Tantar , Pascal Bouvry , Pierre Del Moral , Pierrick Legrand : EVOLVE - A Bridge between Probability, Set Oriented Numerics, and Evolutionary Computation II, EVOLVE 2012, Mexico City, Mexico, August 7-9, 2012, Proceedings. Advances in Intelligent Systems and Computing 175, Springer 2013, ISBN 978-3-642-31518-3	Punctaj: 60/7=8,57p
	Oliver Schuetze , Carlos A. Coello Coello , Alexandru-Adrian Tantar, Emilia Tantar , Pascal Bouvry , Pierre Del Moral , Pierrick Legrand : EVOLVE - A Bridge between Probability, Set Oriented Numerics, and Evolutionary Computation III [EVOLVE 2012, Mexico City, Mexico, August 7-9, 2012, selection of extended papers]. Studies in Computational Intelligence	Punctaj: 60/7=8,57p

	500, Springer 2014, ISBN 978-3-319-01459-3	
	<p>Michael Emmerich, Andre Deutz, Oliver Schuetze, Thomas Bäck, Emilia Tantar, Alexandru-Adrian Tantar, Pierre Del Moral, Pierrick Legrand, Pascal Bouvry, Carlos A. Coello Coello: EVOLVE - A Bridge between Probability, Set Oriented Numerics, and Evolutionary Computation IV International Conference held at Leiden University, July 10-13, 2013 ,</p> <p>Advances in Intelligent Systems and Computing, Volume 227, 2013,</p> <p>ISBN: 978-3-319-01127-1 (Print) 978-3-319-01128-8 (Online)</p>	Punctaj: 60/10=6p
	<p>Alexandru-Adrian Tantar, Emilia Tantar, Jian-Qiao Sun, Wei Zhang,</p> <p>Qian Ding, Oliver Schütze, Michael Emmerich, Pierrick Legrand, Pierre Del Moral, Carlos A. Coello Coello: EVOLVE - A Bridge between Probability, Set Oriented Numerics, and Evolutionary Computation V,</p> <p>Advances in Intelligent Systems and Computing, Volume 288, 2014,ISBN: 978-3-319-07493-1 (Print) 978-3-319-07494-8 (Online)</p>	Punctaj: 60/10=6p
100+33.33+33.33= 166.66p	<p>9.Contracte de cercetare științifică în instituții academice (universități, institute ale Academiei Române, institute naționale de cercetare, institute de cercetare din străinătate, alte categorii de institute academice)</p>	<p>contracte internaționale – director: 100 puncte pentru fiecare 100.000 Euro</p> <p>contracte internaționale – membru: 100 puncte pentru fiecare 100.000 Euro / numărul membrilor echipei de cercetare</p> <p>contracte naționale – director: 50 puncte pentru fiecare 500.000 lei</p> <p>contracte naționale – membru: 50 puncte pentru fiecare 500.000 lei /</p>

		<i>numărul membrilor echipei de cercetare</i>
	Director - Contract AFR-Marie Curie Co-found of 62,169 Euro/an pe o perioada de 2 ani (Aprilie 2010-Martie 2012)	Punctaj: 100 p (>100.000 Euro)
	Membru-Contract CORE Green@Cloud (01/10/2012 – 30/09/2015), 387,000 Euro (http://www.fnr.lu/calls2/projects/multi-objective-metaheuristics-for-energy-aware-scheduling-in-cloud-computing-systems-green-cloud ; http://www.en.uni.lu/research/fstc/computer_science_and_communications_research_unit/research_projects/multi_objective_metaheuristics_for_energy_aware_scheduling_in_cloudcomputing_systems)	Punctaj: $3 \times 100 / 9 = 33.33p$
	Member-ANR Dock (http://dockinggrid.gforge.inria.fr/reunions.html ; http://dockinggrid.gforge.inria.fr/documents/reunions/CR_Reunion2008-18-04.pdf)	$4 \times 100 / 12 = 33,33$
100p	<i>10. Contracte de cercetare în mediul de afaceri și sectorul public</i>	<i>organizații internaționale: 100 puncte pentru fiecare 100.000 Euro</i> <i>firme multinaționale: 100 puncte pentru fiecare 100.000 Euro</i>
	Black Swan FNR Proof-of-Concept (165.000Euro)	Punctaj: 100p
81,817+125,865+90,675+518,888+59,155+76,394+12,716+8,628= 974,138 p	<i>12. Citări și recenzii ale lucrărilor științifice</i>	<i>reviste de specialitate din străinătate: (10 + 20 x factor de impact) / număr autori, pentru fiecare citare</i> <i>monografii academice din străinătate: 50 puncte / număr autori, pentru fiecare citare</i>

Articol citat: A-A. Tantar, N. Melab, E-G. Talbi, H. Dragos and B. Parent, A Parallel Hybrid Genetic Algorithm for Protein Structure Prediction on the Computational Grid. Elsevier Science, Future Generation Computer Systems, vol. 23(3), pp. 398-409, Elsevier Science Publishers B.V., Amsterdam, The Netherlands, 2007.

Punctaj: $4+6,54+20,926+11,525+8,94+17,86+12,026=81,817p$

Punctaj	Monografie/Factor de impact	Forum	An	Titlu lucrare	Autori
$(10+20*0,702)/6=4p$	IF=0.702	SCIENCE CHINA- INFORMATION SCIENCES	2013	A parallel ant colonies approach to de novo prediction of protein backbone in CASP8/9	Lv Qiang; Wu HongJie; Wu JinZhen; Huang Xu; Luo XiaoHu; Qian PeiDe
$(10+20*0,481)/3=6,54p$	IF=0.481	INTERNATIONAL TRANSACTIONS IN OPERATIONAL RESEARCH	2013	Parallel metaheuristics: recent advances and new trends	Alba, Enrique; Luque, Gabriel; Nesmachnow, Sergio
$(10+20*2,639)/3=20,926p$	IF=2.639	FUTURE GENERATION COMPUTER SYSTEMS- THE INTERNATIONAL JOURNAL OF GRID COMPUTING AND ESCIENCE	2012	Hierarchical branch and bound algorithm for computational grids	Bendjoudi, A.; Melab, N.; Talbi, E. -G.
$(10+20*3,534)/7=11,525p$	IF=3.534	PLOS ONE	2012	When the Lowest Energy Does Not Induce Native Structures: Parallel Minimization of Multi-Energy Values by Hybridizing Searching Intelligences	Lu, Qiang; Xia, Xiao-Yan; Chen, Rong; Miao, Da-Jun; Chen, Sha-Sha; Quan, Li-Jun; Li, Hai-Ou
$(10+20*0,841)/3=8,94p$	IF=0.841	JOURNAL OF SUPERCOMPUTING	2011	Comparison of parallel multi-objective approaches to protein structure prediction	Calvo, J. C.; Ortega, J.; Anguita, M.

$(10+20 \cdot 0,393)/1=17,86p$	IF= 0.393	REVUE ROUMAINE DE CHIMIE	2009	THE PHARMACOPHORE APPROACH IN CHEMOINFORMATICS	Horvath, Dragos
$(10+20 \cdot 1,304)/3=12,026p$	IF=1.304	SOFT COMPUTING	2008	A grid-based genetic algorithm combined with an adaptive simulated annealing for protein structure prediction	Tantar, Alexandru-Adrian; Melab, Nouredine; Talbi, El-Ghazali

Articol citat: Pierre Minvielle, Emilia Tantar, Alexandru-Adrian Tantar, Philippe Bérisset: [Sparse antenna array optimization with the cross-entropy method](#). IEEE Transactions on Antennas and Propagation 59 (8): 2862-2871 (2011)

Punctaj: $28,22+8,454+14,795+14,69+10,5+7,52+15,346+14,795+11,545=125,865p$

Punctaj	Monografie/Factor de impact	Forum	An	Titlu lucrare	Autori
$(10+20 \cdot 0,911)/1=28,22p$	FI=0,911	JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY	2014	Infrastructure topology optimization under competition through cross-entropy	Le Cadre, H.
$(10+20 \cdot 2,459)/7=8,454p$	FI=2,459	IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION	2014	A Global-Local Synthesis Approach for Large Non-Regular Arrays	Clavier, T.; Razavi-Ghods, N. ; Glineur, F. ; Gonzalez-Ovejero, D. ; de Lera Acedo, E. ; Craeye, C. ; Alexander, P.
$(10+20 \cdot 2,459)/4=14,795p$	FI=2,459	IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION	2014	Novel Parasitic Micro Strip Arrays for Low-Cost Active Phased Array Applications	Shi-Wei Qu ; De-Jun He ; Shiwen Yang ; Zaiping Nie
$(10+20 \cdot 0.969)/2=14,69p$	FI=0,969	Microwaves, Antennas & Propagation, IET	2014	Null steering in irregularly spaced sparse antenna	Khan, A.A. ; Brown, A.K.

				arrays using aperture distributed subarrays and hybrid optimiser	
$(10+20*1,6)/4=10,5p$	FI=1,6	APPLIED MATHEMATICS AND COMPUTATION	2013	On the benefits of Laplace samples in solving a rare event problem using cross-entropy method	S. Easter Selvan; M.S.P. Subathra; A. Hepzibah Christinal; Umberto Amato
$(10+20*0,629)/3=7,526p$	FI=0,629	INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS	2013	Shaped beam synthesis of phased arrays using the cross entropy method	Weatherspoon, Mark H.; Connor, Jeffrey D.; Foo, Simon Y.
$(10+20*1,802)/3=15,346p$	FI=1,802	INVERSE PROBLEMS	2013	Advanced interacting sequential Monte Carlo sampling for inverse scattering	Giraud, F.; Minvielle, P.; Del Moral, P.
$(10+20*2,459)/4=14,795p$	FI=2,459	IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION	2013	High-Efficiency Periodic Sparse Microstrip Array Based on Mutual Coupling	Shi-Wei Qu ; Chi Hou Chan ; Ming-Yao Xia ; Zaiping Nie
$(10+20*1,809)/4=11,545p$	FI=1,809	IEEE GEOSCIENCE AND REMOTE SENSING LETTERS	2012	Improving the Azimuthal Resolution of HFSWR With Multiplicative Beamforming	Guinvarc'h, R. ;Gillard, R. ; Uguen, B. ; El-Khoury, J.

Articol citat: Alexandru-Adrian Tantar, Nouredine Melab, El-Ghazali Talbi, A Grid-based Genetic Algorithm combined with an Adaptive Simulated Annealing for Protein Structure Prediction. Soft Computing Journal – A Fusion of Foundations, Methodologies and Applications, Special issue on Distributed Bioinspired Algorithms, vol. 12(12), pp. 1185–1198, Springer Berlin/Heidelberg, 2008.

Punctaj: $9,02+16,03+40,3+14,49+10,835=90,675p$

Punctaj	Monografie/Factor de	Forum	An	Titlu lucrare	Autori
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	impact				
$(10+20*1,304)/4=9,02p$	FI=1,304	SOFT COMPUTING	2015	Protein structure prediction using diversity controlled self-adaptive differential evolution with local search	Sudha, S.; Baskar, S.; Amali, S. Miruna Joe; Krishnaswamy, S.
$(10+20*2,706)/4=16,03p$	FI=2,706	BIOMED RESEARCH INTERNATIONAL	2013	Mixing Energy Models in Genetic Algorithms for On-Lattice Protein Structure Prediction	Rashid, Mahmood A.; Newton, M. A. Hakim; Hoque, Md. Tamjidul; Sattar, Abdul
$(10+20*5,545)/3=40,3p$	FI=5,545	IEEE TRANSACTIONS ON EVOLUTIONARY COMPUTATION	2012	Hybrid Metaheuristics Based on Evolutionary Algorithms and Simulated Annealing: Taxonomy, Comparison, and Synergy Test	Rodriguez, Francisco J.; Garcia-Martinez, Carlos; Lozano, Manuel
$(10+20*0.949)/2=14,49p$	FI=0,949	CLUSTER COMPUTING-THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS	2011	Load balancing on temporally heterogeneous cluster of workstations for parallel simulated annealing	Moharil, Sourabh; Lee, Soo-Young

$(10+20 \times 1,667)/4=10,835p$	FI=1,667	JOURNAL OF GRID COMPUTING	2010	Parameter Sweep Workflows for Modelling Carbohydrate Recognition	Kiss, Tamas; Greenwell, Pamela; Heindl, Hans; Terstyanszky, Gabor; Weingarten, Noam
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Articol citat: Alexandru-Adrian Tantar, Sebastien Conilleau, Benjamin Parent, Nouredine Melab, Lorraine Brillet, Sylvaine Roy, El-Ghazali Talbi and Dragos Horvath, Docking and Biomolecular Simulations on Computer Grids: Status and Trends. Current Computer-Aided Drug Design, vol. 4(3), pp. 235–249(15), Bentham Science Publishers, ISSN: 1573-4099, 2008.

Punctaj: $17,34+3,66+11,83+15,78+8,668+461,61=518,888p$

Punctaj	Monografie/Factor de impact	Forum	An	Titlu lucrare	Autori
$(10+20 \times 2,095)/3=17,3p$	FI=2,095	MOLECULES	2015	Theory and Applications of Covalent Docking in Drug Discovery: Merits and Pitfalls	Kumalo, Hezekiel Mathambo; Bhakat, Soumendranath; Soliman, Mahmoud E. S.
$(10+20 \times 0,784)/7=3,66p$	FI=0,784	CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE	2014	Large-scale virtual screening experiments on Windows Azure-based cloud resources	Kiss, Tamas; Borsody, Peter; Terstyanszky, Gabor; Winter, Stephen; Greenwell, Pamela; McEldowney, Sharron; Heindl, Hans

$(10+20 \times 1,867)/4 = \mathbf{11,83p}$	FI=1,867	JOURNAL OF MOLECULAR MODELING	2011	Homology modeling and molecular dynamics simulations of MUC1-9/H-2K(b) complex suggest novel binding interactions	Stavrakoudis, Athanassios; Tsoulos, Ioannis G.; Uray, Katalin; Ferenc, Hudecz; Apostolopoulos, Vasso
$(10+20 \times 1,867)/3 = \mathbf{15,78p}$	FI=5,310	JOURNAL OF CHEMICAL THEORY AND COMPUTATION	2011	Configurational Entropy Reallocation and Complex Loop Dynamics of the Mosquito-Stage Pvs25 Protein Complexed with the Fab Fragment of the Malaria Transmission Blocking Antibody 2A8	Stavrakoudis, Athanassios; Tsoulos, Ioannis G.
$(10+20 \times 1,667)/5 = \mathbf{8,668p}$	FI=1,667	JOURNAL OF GRID COMPUTING	2010	Parameter Sweep Workflows for Modelling Carbohydrate Recognition	Kiss, Tamas; Greenwell, Pamela; Heindl, Hans; Terstyanszky, Gabor; Weingarten, Noam
$(10+20 \times 45,661)/2 = \mathbf{461,61p}$	FI=45,661	CHEMICAL REVIEWS	2009	Theory of Free Energy and Entropy in	Zhou, Huan-Xiang; Gilson, Michael K.

				Noncovalent Binding	
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Articol citat: Panuwat Trairatphisan, Andrzej Mizera, Jun Pang, Alexandru-Adrian Tantar, Jochen Schneider, Thomas Sauter, Recent development and biomedical applications of probabilistic Boolean networks, Cell Communication and Signaling, vol. 11, no. 1, pp. 1–25, BioMed Central, 2013.

<http://dx.doi.org/10.1186/1478-811X-11-46>

Punctaj: 15,073+9,602+34,48=59,155p

Punctaj	Monografie/Factor de impact	Forum	An	Titlu lucrare	Autori
$(10+20 \times 1,761)/3=15,073p$	FI=1,761	CHAOS	2014	Controllability of asynchronous Boolean multiplex control networks	Luo, Chao; Wang, Xingyuan; Liu, Hong
$(10+20 \times 3,341)/8=9,602p$	FI=3,341	FEBS LETTERS	2014	Polynomial algebra reveals diverging roles of the unfolded protein response in endothelial cells during ischemia-reperfusion injury	Le Pape, Sylvain; Dimitrova, Elena; Hannaert, Patrick; Konovalov, Alexander; Volmer, Romain; Ron, David; Thuillier, Raphael; Hauet, Thierry
$(10+20 \times 4,672)/3=34,48p$	FI=4,672	CELL COMMUNICATION AND SIGNALING	2013	CellFateScout - a bioinformatics tool for elucidating small molecule signaling pathways that	Siatkowski, Marcin; Liebscher, Volkmar; Fuellen, Georg

				drive cells in a specific direction	
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Articol citat: E Tantar, AA Tantar, P Bouvry: [On dynamic multi-objective optimization, classification and performance measures](#), Evolutionary Computation (CEC), 2011 IEEE Congress on, 2759-2766.

Punctaj: $32,464 + 43,93 = 76,394p$

Punctaj	Monografie/Factor de impact	Forum	An	Titlu lucrare	Autori
$(10+20*4,37)/3=32,466p$	FI=4,37	IEEE Transactions on Neural Networks and Learning Systems	2014	Active Learning of Pareto Fronts	Campigotto, Paolo; Passerini, Andrea; Battiti, Roberto
$(10+20*3,893)/2=43,93p$	FI=3,893	Information Sciences	2013	Performance measures for dynamic multi-objective optimisation algorithms	Helbig, Mande; Engelbrecht, Andries P.

Articol citat: Jorge Tavares, Alexandru-Adrian Tantar, Nouredine Melab, El-Ghazali Talbi, The Influence of Mutation on Protein-Ligand Docking Optimization: a Locality Analysis. Lecture Notes in Computer Science, Parallel Problem Solving From Nature – PPSN X, 2008, September 13-17, Technische Universität Dortmund, Germany, vol. 5199, pp. 589– 598, Springer Berlin/Heidelberg, ISBN: 978-3-540-87699-1, 2008.

Punctaj: **12,716p**

Punctaj	Monografie/Factor de impact	Forum	An	Titlu lucrare	Autori
$(10+20*2,679)/5=12,716p$	FI=2,679	APPLIED SOFT COMPUTING	2015	Solving molecular flexible docking problems with	Lopez-Camacho, E (Lopez-Camacho, Esteban); Godoy, MJG (Garcia Godoy, Maria

				metaheuristics: A comparative study	Jesus); Garcia-Nieto, J (Garcia-Nieto, Jose); Nebro, AJ (Nebro, Antonio J.); Aldana-Montes, JF (Aldana-Montes, Jose F.)
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Articol citat: Dragos Horvath, Lorraine Brillet, Sylvaine Roy, Sébastien Conilleau, Alexandru-Adrian Tantar, Jean-Charles Boisson, Nouredine Melab and El- Ghazali Talbi, Local vs. Global Search Strategies in Evolutionary GRID-based Conformational Sampling & Docking. Evolutionary Computation in Bioinformatics and Computational Biology, IEEE Congress, Evolutionary Computation, CEC'09, pp. 247–254, ISBN: 978-1-4244-2958-5, 2009.

Punctaj: 8,628p

Punctaj	Monografie/Factor de impact	Forum	An	Titlu lucrare	Autori
$(10+20*1,657)/5=8,628$ p	FI=1,657	IEEE TRANSACTIONS ON POWER DELIVERY	2015	Multiobjective Optimization Algorithm for Switch Placement in Radial Power Distribution Networks	Bezerra, JR ; Barroso, GC ; Leao, RPS ; Sampaio, RF

200+10= 210p	<i>13.Lucrări susținute în calitate de invitat la manifestări științifice (conferințe, congrese, simpozioane, seminarii și ateliere de lucru)</i>	<i>străinătate: 25 puncte pentru fiecare activitate țară: 10 puncte pentru fiecare activitate</i>
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Emilia Tantar, Alexandru-Adrian Tantar: Cognition and Software Defined Networks, at ECiP: Evolutionary Computation in Practice - GECCO 2014, Vancouver, Canada

Punctaj: 8x 25p=200p

Alexandru-Adrian Tantar and Emilia Tantar, Green Evolutionary Computing for Sustainable Environments, 2012 IEEE World Congress on Computational Intelligence (WCCI), June 10-15, 2012, Brisbane, Australia, http://www.ieee-wcci2012.org/ieee-wcci2012/index.php?option=com_content&view=article&id=67.

Alexandru-Adrian Tantar, Optimization and Parallel Computing for Conformational Sampling, Computer Science and Communication – Luxembourg Centre for Systems Biomedicine (CSC-LCSB) Workshop, Schengen, Luxembourg, January 10-11, 2011

Alexandru-Adrian Tantar, From Rare Events Simulation to Optimization, CINVESTAV- IPN Seminario Departamental, Mexico city, Mexic, 29 June 2011.

Alexandru-Adrian Tantar, Algorithmes repartis à haute performance sur grilles de calcul, Digits, Architectures et Logiciels Informatiques (DALI) Team Seminar, University of Perpignan, Perpignan, France, April 6, 2010.

Alexandru-Adrian Tantar, Parallel Evolutionary Algorithms, 20eme Journées Évolutionnaire Trimestrielles (JET) INRIA, Université Pierre et Marie Curie, Paris, March 26, 2010.

Alexandru-Adrian Tantar, Parallel Evolutionary Algorithms for

<p>25+25=50p</p>	<p><i>Conformational Sampling – ParadisEO-PEO, Molecular Modeling Group, European Institute of Chemistry and Biology, Bordeaux, France, 17 November 2009.</i></p> <p><i>Alexandru-Adrian Tantar, Conformational Sampling on Grids – Protein Structure Prediction and Molecular Docking, SEN4 CWI Invited Seminar, Centrum Wiskunde & Informatica, Amsterdam, The Netherlands, 10 October 2008</i></p> <p><i>Emilia Tantar: Dynamic Multi-objective optimization, ECODAM 2014, Iasi, Romania</i></p> <p><i>14. Profesor/cercetător invitat la universități/institute de cercetare</i></p> <p>2011 Invited Professor (June-July) - CINVESTAV-IPN (Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional), Mexico city, Mexico in the context of collaboration with Prof. Oliver Schuetze and Prof. Carlos A. Coello Coello.</p> <p>2008 October-December - Centrum Wiskunde & Informatica (CWI), Amsterdam, The Netherlands in the Computational Intelligence and Multi-agent Games(SEN4) group.</p> <p><i>15. Editor/Membru în Editorial Board & Advisory Board</i></p>	<p>10p</p> <p><i>străinătate: 25 puncte pentru fiecare activitate țară: 10 puncte pentru fiecare activitate</i></p> <p><i>Punctaj: 25p</i></p> <p><i>Punctaj: 25p</i></p>
<p>10p</p>	<p>Editorial Board of the American Journal of Algorithms and Computing, Associate Editor, http://uscip.org/JournalsDetail.aspx?journalID=50</p>	<p>Punctaj: 10p</p>

125+100+50+25+25+90+165+80 = 660p	<i>19.Participări la manifestări științifice</i>	<i>internaționale: președinte comitet organizare/consiliu științific, 25 puncte pentru fiecare activitate; membru comitet organizare/consiliu științific, 15 puncte pentru fiecare activitate moderator de panel, 15 puncte pentru fiecare activitate; raportor pe secțiuni/paneluri, 10 puncte pentru fiecare activitate</i>
	<i>EVOLVE International Conference -series co-chair since 2011, EVOLVE 2011 (Luxembourg), EVOLVE 2012 (Mexico city), EVOLVE 2013 (Leiden, Olanda), EVOLVE 2014 (Beijing, China), EVOLVE 2015 (Iasi, Romania) http://www.evolve-conference.org</i>	<i>Punctaj: 25 x 5=125p</i>
	<i>Co-chair GreenGEC workshop in cadrul conferintei GECCO (2011-2014)</i>	<i>Punctaj: 25 x 4 = 100p</i>
	Chair of the FlowShop Contest Organizing Committee and Member of the Jury, 3rd GRID Plugtests CoreGRID Conference, November 30, 2006, Sophia Antipolis, Nice, France, http://www-sop.inria.fr/oasis/plugtest2006 Chair of the FlowShop Contest Organizing Committee, 4th GRID Plugtests Core-GRID Conference, October 28 - November 1, 2007, Beijing, China, http://echogrid.ercim.org , http://www.etsi.org/plugtests/grid/GRID.htm	<i>Punctaj: 25+25=50p</i>
	IEEE Lille Nord de France Branch, founding member and president	<i>Punctaj: 25p</i>
	Luxembourg's National Coordinator for the FuturICT FET Flagship Initiative (University of Luxembourg)– http://www.futurict.eu	<i>Punctaj: 25p</i>

	(November 2011)	
	<p>Organizator: Rare Events Simulation Workshop (RES 2010) October 28-29, 2010, Bordeaux, France, http://alea.bordeaux.inria.fr/index.php/conferences/rareeventsworkshop</p> <p>EuroDocInfo'08 (Journées Franco-Belges EuroDocInfo'08 – European Doctoral School on Computer Science), January 23-24, 2008, Lille, France, http://www.lifl.fr/eurodocinfo08</p> <p>JOBIM 2008 (Journées Ouvertes Biologie Informatique Mathématique), June 30 – July 2, 2008, Lille, France, http://www.lifl.fr/jobim2008</p> <p>Meta'06, Design and Deployment of Parallel Metaheuristics (Parallélisation de métaheuristiques à la conception et à l'exécution), November 2-4, 2006, Hammamet, Tunisia, http://www.lifl.fr/META2006/Formation.html</p> <p>Training on Grid5000 Environment and Software – Lille (Premières Journées Grid5000 à Lille – Formation pratique aux outils logiciels de Grid5000): grid environment, deployment and execution, October 30-31, 2006, Lille, France, http://www.lifl.fr/~melab/RECH/JourneesGrid5000Lille/journeesGrid5000Lille.htm</p> <p>7th ROADEF Congress (7ème congrès de la ROADEF, Société Française de Recherche Opérationnelle et d'Aide à la Décision) 450 participants, February 6-8, 2006, Lille, France, http://www.lifl.fr/ROADEF2006</p>	Punctaj: 6 x 15p= 90p
	<i>Membru consilii stiintifice:</i>	Punctaj: 11x15 = 165pt

3rd International Conference on Smart Grids and Green IT Systems (SMARTGREENS), Barcelona, Spain, 4 – 5 April, 2014,
<http://www.smartgreens.org/home.aspx?y=2014>

2013 IEEE Congress on Evolutionary Computation (CEC) – Technical Program Committee, June 20-23, 2013, Cancun, Mexico,
<http://www.cec2013.org>

2013 IEEE Symposium Series on Computational Intelligence (SSCI), Singapore, April 16-19, 2013, <http://www.ieee-ssci.org>

2nd International Conference on Smart Grids and Green IT Systems (SMARTGREENS), Aachen, Germany, 9 – 10 May, 2013,
<http://www.smartgreens.org>

1st International Conference on Smart Grids and Green IT Systems (SMARTGREENS), held in conjunction with CSEDU 2012, WEBIST 2012 and CLOSER 2012, Porto, Portugal, 19 – 20 April, 2012,
<http://www.smartgreens.org/ProgramCommittee.aspx?y=2012>

26th European Conference on Modelling and Simulation 2012 (ECMS'12), High Performance Modelling and Simulation (HiPMOS), Koblenz-Landau University, Germany, May 29th – July 1st, 2012,
<http://www.scs-europe.net/conf/ecms2012/committee.html>

GECCO-UP 2012 – Understanding Problems Workshop, Genetic and Evolutionary Computation Conference (GECCO),
<http://people.exeter.ac.uk/km314/gecco-up>

8th IEEE International Conference on Electrical Engineering, Computing Science and Automatic Control (CCE 2011), Mérida, Yucatán, Mexico, October 26-28, 2011,

	<p>http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=19270</p> <p>11th IEEE International Conference on Scalable Computing and Communications (SCALCOM 2011), Scalable Solutions for GreenIT Workshop (SCALSOL), in conjunction with the 11th International Conference on Computer and Information Technology (CIT 2011), Pafos, Cyprus, http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=19167</p> <p>6th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC 2011), Global Optimization in Large-Scale Distributed Systems, in conjunction with the BWCCA-2011 International Conference, October 26-28, 2011, Barcelona, Spain, http://www.lsi.upc.edu/~net4all/3PGCIC-2011/committees.html</p> <p>11th International Conference on Hybrid Intelligent Systems (HIS 2011), http://www.mirlabs.org/his11</p>	
	<p><i>Raportor (reviewer):</i> Information Sciences (INS), Elsevier, Informatics and Computer Science, Intelligent Systems Applications, http://www.journals.elsevier.com/information-sciences</p> <p>Computers & Operations Research (COR), Elsevier, http://www.journals.elsevier.com/computers-and-operations-research</p> <p>Journal of Parallel and Distributed Computing (JPDC), Elsevier, http://www.journals.elsevier.com/journal-of-parallel-and-distributed-computing</p> <p>IEEE Transactions on Parallel and Distributed Systems (TPDS), IEEE Computer Society, http://www.computer.org/portal/web/tpds</p> <p>Soft Computing, Springer, A Fusion of Foundations, Methodologies and</p>	<i>Punctaj: 10px 8=80p</i>

	<p>Applications, http://www.springer.com/engineering/computational+intelligence+and+complexity/journal/500</p> <p>Cluster Computing, Springer</p> <p>The Journal of Networks, Software Tools and Applications, http://www.springer.com/computer/communication+networks/journal/10586</p> <p>Natural Computing, Springer, http://www.springer.com/computer/theoretical+computer+science/journal/11047</p> <p>Journal of Computer Science and Technology (JCST), Springer, http://www.springer.com/computer/journal/11390</p> <p>Journal of Mathematical Modelling and Algorithms (JMMA), Springer, Special Issue on Recent Developments in Bioinspired Algorithms, http://www.springer.com/mathematics/applications/journal/10852</p>	
II. ACTIVITATE DIDACTICA (30%)		
70p	3. Materiale suport curs, seminar, lucrări practice și programe analitice detaliate	
	Curs “Tehnici avansate de optimizare”, Scoala doctorala UGR (Luxembourg, Kaiserslautern, Liege, Nancy, Trier, Saarbrücken), 2011	10p
	Curs, seminar, lucrari practice “Grid computing”, Anul 2 Master TIIR, UFR IEEA, University Lille 1, Franta (2007-2009)	10p

	Curs “Sisteme de operare si programare”, UFR d'IEEA, University of Lille 1, Franta (2008-2009)	10p
	Seminarii, lucrari practice ”Invatare automata” (2008-2009), Anul 2 Master, UFR d'IEEA, University of Lille 1, Franta	10p
	Seminarii, lucrari practice 'Tehnologii Web” (2005-2009), Anul 2 licenta, UFR d'IEEA, University of Lille 1, Franta	10p
	Seminarii, lucrari practice 'Programare orientata obiect” (2005-2006), Anul 1, IUT A, University of Lille 1, Franta	10p
	Seminarii, lucrari practice 'Structuri de date si algoritmi” (2006-2007), Anul 1, IUT A, University of Lille 1, Franta	10p