Alexandru-Adrian Tantar – Total punctaj standarde minime:

54,33+90,2+77,13=**221,66p**
Producția științifică (Perspectiva b)

Total punctaj productia sttintifica: 54,33p (dintre care 51p obtinute in forumuri de categorie A).

Index	Punctaj	Categorie	Nume Conferinta/Jurnal/workshop	#Autori	An	Nume articol	Autori
1	1,33	A	PLoS ONE	5	2014	optPBN: An Optimisation Toolbox for Probabilistic Boolean Networks.	Panuwat Trairatphisan, Andrzej Mizera, Jun Pang, Alexandru-Adrian Tantar, Thomas Sauter
2	4	A	IEEE Transactions on Antennas and Propagation	4	2011	Sparse antenna array optimization with the cross-entropy method.	Pierre Minvielle, Emilia Tantar, Alexandru-Adrian Tantar, Philippe Bérisset
3	2	A	Cell Communication and Signaling	6	2013	Recent development and biomedical applications of probabilistic Boolean networks,	Panuwat Trairatphisan, Andrzej Mizera, Jun Pang, Alexandru-Adrian Tantar, Jochen Schneider, Thomas Sauter
4	8	A	Soft Computing	3	2008	A Grid-based Genetic Algorithm combined with an Adaptive Simulated Annealing for Protein Structure Prediction.	Alexandru-Adrian Tantar, Nouredine Melab, El-Ghazali Talbi,

5	0,33	D	Current Computer-Aided Drug Design	8	2008	Docking and Biomolecular Simulations on Computer Grids: Status and Trends.	Alexandru-Adrian Tantar, Sebastien Conilleau, Benjamin Parent, Nouredine Melab, Lorraine Brillet, Sylvaine Roy, El-Ghazali Talbi and Dragos Horvath
6	2,66	A	Future Generation Computer Systems	5	2007	A Parallel Hybrid Genetic Algorithm for Protein Structure Prediction on the Computational Grid.	A-A. Tantar, N. Melab, E-G. Talbi, H. Dragos and B. Parent,
7	8	A	GECCO	3	2014	Asymmetric quadratic landscape approximation model.	Alexandru-Adrian Tantar, Emilia Tantar, Oliver Schütze
8	2,66	A	IEEE CEC	5	2013	Computational Intelligence for Cloud Management Current Trends and Opportunities	Alexandru-Adrian Tantar, Anh Quan Nguyen, Pascal Bouvry, Bernabe Dorronsoro and El-Ghazali Talbi
9	8	A	IEEE CEC	3	2011	On dynamic multi-objective optimization, classification and performance measures	Emilia Tantar, Alexandru-Adrian Tantar, Pascal Bouvry
10	1,33	A	IEEE CEC	8	2009	Local vs. Global Search Strategies in Evolutionary GRID-based Confor-mational Sampling & Docking	Dragos Horvath, Lorraine Brillet, Sylvaine Roy, Sébastien Conilleau, Alexandru-Adrian Tantar,

							Jean-Charles Boisson, Nouredine Melab and El-Ghazali Talbi
11	4	A	PPSN	4	2008	The Influence of Mutation on Protein-Ligand Docking Optimization: a Locality Analysis.	Jorge Tavares, Alexandru-Adrian Tantar, Nouredine Melab, El-Ghazali Talbi
12	2,66	A	IEEE CEC	5	2007	Grid-based evolutionary strategies applied to the conformational sampling problem. Evolutionary Computation	Benjamin Parent, Alexandru Tantar, Nouredine Melab, El-Ghazali Talbi, Dragos Horvath
13	4	A	GECCO (Companion)	2	2014	A survey on sustainability in ICT: a computing perspective	Alexandru-Adrian Tantar, Emilia Tantar
14	4	A	GECCO (Companion)	3	2011	A classification of dynamic multi-objective optimization problems.	Alexandru-Adrian Tantar, Emilia Tantar, Pascal Bouvry
15	4	A	GECCO (Companion)	3	2011	Load balancing for sustainable ICT.	Alexandru-Adrian Tantar, Emilia Tantar, Pascal Bouvry
16	4	A	NIDISC (IPDPS workshop)	3	2007	A Comparative Study of Parallel Meta-heuristics for Protein Structure Prediction on the Computational Grid	A-A. Tantar, N. Melab and E-G. Talbi
17	2	A	BioGrid (CCGRID workshop)	4	2006	Solving the Protein Folding Problem with a Bicriterion Genetic Algorithm on the Grid.	Alexandru-Adrian Tantar, Nouredine Melab, El-Ghazali Talbi and Bernard Toursel

18	0,5	D	OMAE	4	2012	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,	Z. Guede, A. Tantar, E. Tantar, P. Del Moral
19	1	D	EVOLVE, Studies in Computational Intelligence, Springer	3	2013	On the Foundations and the Applications of Evolutionary Computing	Pierre Del Moral, Alexandru-Adrian Tantar, Emilia Tantar
20	0,5	D	Parallel Programming, Models and Applications in Grid and P2P System	4	2009	Landscape Analysis in Adaptive Metaheuristics for Grid Computing	Emilia Tantar, Alexandru-Adrian Tantar, Nouredine Melab, El-Ghazali Talbi
21	1	C	HIS	4	2007	he Impact of Local Search on Protein-Ligand Docking Optimization	Jorge Tavares, Alexandru-Adrian Tantar, Nouredine Melab, El-Ghazali Talbi

Impactul rezultatelor (Perspectiva c)

Total punctaj impactul rezultatelor: 90,2 (din care 81,5p in forumuri de cel putin tip B)

Index citat	Punctaj	Tip citare	**Forum**	**An**	**Titlu lucrare**	**Autori**
2	4	B	JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY	2014	Infrastructure topology optimization under competition through cross-entropy	Le Cadre, H.
2	1,6	A	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.
2	4	A	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

2	1	D	Microwaves, Antennas & Propagation, IET	2014	Null steering in irregularly spaced sparse antenna arrays using aperture distributed subarrays and hybrid optimiser	Khan, A.A. ; Brown, A.K.
2	2	B	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
2	4	B	INVERSE PROBLEMS	2013	Advanced interacting sequential Monte Carlo sampling for inverse scattering	Giraud, F.; Minvielle, P.; Del Moral, P.
2	4	A	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
2	4	A	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.
3	4	B	CHAOS	2014	Controllability of asynchronous Boolean multiplex control networks	Luo, Chao; Wang, Xingyuan; Liu, Hong
3	0,66	B	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
3	8	A	CELL COMMUNICATION AND SIGNALING	2013	CellFateScout - a bioinformatics tool for elucidating small molecule signaling pathways that drive cells in a specific direction	Siatkowski, Marcin; Liebscher, Volkmar; Fuellen, Georg
4	4	A	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.
4	8	A	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
4	4	B	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
4	2,66	A	JOURNAL OF GRID COMPUTING	2010	Parameter Sweep Workflows for Modelling Carbohydrate Recognition	Kiss, Tamas; Greenwell, Pamela; Heindl, Hans; Terstyanszky, Gabor; Weingarten, Noam
5	2	C	MOLECULES	2015	Theory and Applications of Covalent Docking in Drug Discovery: Merits and Pitfalls	Kumalo, Hezekiel Mathambo; Bhakat, Soumendranath; Soliman, Mahmoud E. S.
5	0,2	D	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

5	1,33	B	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
5	8	A	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.
5	2,66	A	JOURNAL OF GRID COMPUTING	2010	Parameter Sweep Workflows for Modelling Carbohydrate Recognition	Kiss, Tamas; Greenwell, Pamela; Heindl, Hans; Terstyanszky, Gabor; Weingarten, Noam
5	8	A	CHEMICAL REVIEWS	2009	Theory of Free Energy and Entropy in Noncovalent Binding	Zhou, Huan-Xiang; Gilson, Michael K.
6	0,5	C	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
6	2	C	INTERNATIONAL TRANSACTIONS IN OPERATIONAL RESEARCH	2013	Parallel metaheuristics: recent advances and new trends	Alba, Enrique; Luque, Gabriel; Nesmachnow, Sergio
6	1,6	A	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
6	2	C	JOURNAL OF SUPERCOMPUTING	2011	Comparison of parallel multi-objective approaches to protein structure prediction	Calvo, J. C.; Ortega, J.; Anguita, M.
9	8	A	IEEE Transactions on Neural	2014	Active Learning of Pareto Fronts	Campigotto, Paolo;

			Networks and Learning Systems			Passerini, Andrea; Battiti, Roberto
9	8	A	Information Sciences	2013	Performance measures for dynamic multi-objective optimisation algorithms	Helbig, Mande; Engelbrecht, Andries P.
9	1	D	PhD Thesis,University of Pretoria	20	Solving dynamic multi-objective optimisation problems using vector evaluated particle swarm optimisation. (http://upetd.up.ac.za/thesis/available/ etd-09242012-211127)	Marde Helbig
10	4	A	**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
11	2,66	A	APPLIED SOFT COMPUTING	2015	Solving molecular flexible docking problems with metaheuristics: A comparative study	Lopez-Camacho, E Godoy, MJG ; Garcia-Nieto, J ; Nebro, AJ ; Aldana-Montes, JF

Performanta academici (perspectiva d)
Punctaj: 4+0,33+6,8+6+8+18+8+1+1+24=77,13p

Criteriu	Categorie	Editura	Volume/capitole	Punctaj
Carti autor I editate si capitole publicate (conform clasamentului SEN SE):	B	Springer	Capitole corespunzatoare indecsilor 19 din tabelul corespunzator perspectivei b)	Punctaj: 4p
	D	IOS Press	Capitol corespunzator indexului 16 din tabelul corespunzator categoriei b)	Punctaj:1/3=0,33p
	B	Springer	Voulme editate: 5 volume (numerotate de la I la V) EVOLVE - A Bridge between Probability, Set Oriented Numerics, and Evolutionary Computation	Punctaj: 8/5+8/5+8/5+8/8+8/8=6,8p
Criteriu		Categorie	Descriptiv activitate	Punctaj
Director (coordonator/responsabil) | membru al unui granVproiect/contractiprogram de cercetare na{ional/interna$onal		100.000 - 199.999 Euro, ca director	AFR-Marie Curie Cofund project	6p

Criteriu	Categorie	Editura	Volume/capitole	Punctaj
Membru in comitetul stiintific (de program) al unor confennte, simpozioane, workshop-uri,			Understanding Problems Workshop, Genetic and Evolutionary Computation Conference, 2012 (GECCO-UP), 2012, Philadelphia, USA, 07 – 11 July, 2012. IEEE Congress on Evolutionary Computation (IEEE CEC 2012) held as part of the 2012 IEEE World Congress on Computational Intelligence (IEEE WCCI), Brisbane, Australia, June 10-15, 2012.	8p
Organizare evenimente gtiin{ifice/gcoli de vara, in calitate de: - director I membru in comitetul de organizare			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 Co-chair GreenGEC workshop in cadrul conferintei GECCO (2011-2014)	Punctaj: 5x2+4x2=18p
Keynotefi nvited speaker la evenimenteluniversitdli		A	GECCO 2014 -Invited speaker in the ECIP track	Punctaj: 8p

Criteriu	Categorie	Editura	Volume/capitole	Punctaj
		D	Invited seminar Centro de Investigación y de Estudios Avanzados del IPN CINVESTAV 2011 (rank 597 in webometrics.info)	Punctaj: 1p
Profesor/researcher asociat/visiting la o universitate din		Top 1000	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.	Punctaj: 1p
		Top 1000	Research associate University of Luxembourg (60 luni), University of Lille 1 (36 luni), University of Bordeaux 1 (12 luni)	Punctaj: max 24p