

**Fișa de verificare a îndeplinirii criteriilor minimale  
corespunzătoare domeniului Informatică**

Candidat: **Laura Silvia Dioșan**

Instituția: **Universitatea Babeș Bolyai**

**Centralizator verificare perspective:**

<b>Perspectiva</b>	<b>Punctaj realizat</b>	<b>Conditii minimale</b>	<b>Îndeplinire</b>
<b>a) Etica cercetării</b>	Am respectat normele de etică a cercetării	Se respectă normele de etică a cercetării	<b>DA</b>
<b>b) Producția științifică</b>	<b>145.20</b> Din care 69 puncte din lucrări de categoria A și 20 puncte din lucrări de categoria B	<b>56 puncte</b> din care 24 puncte din lucrări de categoria A și 16 puncte din lucrări de cel puțin categoria B	<b>DA</b>
<b>c) Impactul rezultatelor</b>	<b>626.50 puncte</b> Din care 562 puncte realizate din forumuri de tip A și B	<b>120 puncte</b> (din care 40 de puncte în forumuri de minim tip B)	<b>DA</b>
<b>d) Performanța academică</b>	<b>67.5 puncte<sup>1</sup></b>	<b>60 puncte</b>	<b>DA</b>
<b>PUNCTAJ TOTAL</b>	<b>1062.98 puncte</b>	<b>236 puncte</b>	<b>DA</b>

<sup>1</sup> Cf. observației (un procent de 10% din punctajul total (236) poate fi deplasat între criterii, cu respectarea cerințelor minimale) din Anexa nr.2, 10 puncte au fost deplasate de la secțiunea c (impactul rezultatelor) la secțiunea d (performanța academică)

a) **Etica cercetării**

Subsemnata Laura Silvia Dioșan, am respectat toate normele de etica a cercetării și prin urmare perspectiva a) o evaluez cu calificativul: **îndeplinit**.

## b) Producția științifică

Producția științifică		Categoria	Punctaj
1	Oltean M., Diosan L., An autonomous GP-based system for regression and classification problems, Applied Soft Computing, 2008, 9(1):49-60	A	8
2	Diosan L., Oltean M., Evolutionary design of Evolutionary Algorithms, Genetic Programming and Evolvable Machines, 2009, 10 (3):263-306	A	8
3	Dioșan, L., Oltean M.,, Evolving the structure of the Particle Swarm Optimization algorithms, , EuroGP2006 & EvoCOP2006, Lecture Notes in Computer Science, Springer Verlag Berlin, Budapest, Hungary, 2006, 2006, 25-36	A	8
4	Dioșan, L., Oltean, M.,, Evolving crossover operators for function optimization, , EuroGP2006 & EvoCOP2006, Lecture Notes in Computer Science, Springer Verlag Berlin, Budapest, Hungary, 2006, 97-108	A	8
5	Dioșan, L., Oltean, M., Evolving Evolutionary Algorithms using Evolutionary Algorithms, The Genetic and Evolutionary Computation Conference, GECCO 2007, 2007, 2442 - 2449	A	8
6	Dioșan, L., Oltean, M., A. Rogozan, J. P. Pecuchet, Genetically Designed Multiple-Kernels for Improving the SVM Performance, The Genetic and Evolutionary Computation Conference, GECCO 2007, 2007, 1873-1874	A	4
7	Muntean O., Dioșan, L., Oltean, M., Best SubTree Genetic Programming, The Genetic and Evolutionary Computation Conference, GECCO 2007, 2007, 1667-1673	A	8
8	Dioșan, L., Oltean, M., Observing the swarm behaviour during its evolutionary design, The Genetic and Evolutionary Computation Conference, GECCO 2007, 2007, 2667-2674	A	8
9	Dioșan, L., Rogozan, A., Pécuchet, J.-P., Optimising multiple kernels for SVM by Genetic Programming, EuroGP2008 & EvoCOP2008, Lecture Notes in Computer Science, Springer Verlag Berlin, Napoly, Italy, 2008, 230-241	A	8
10	Dioșan, L., Oltean, M., , Evolving Kernel Function for Support Vector Machines, , The 17th European Conference on Artificial Intelligence, Evolutionary Computation Workshop, Riva del Garda, Italy, Aug 28th - Sept 1st,2006, 2006, 11-16	A	1
<b>TOTAL jurnale și conferințe din categoria A</b>			<b>69</b>
11	Diosan L., Oltean M., Friction-based sorting, Natural Computing, 2011, 10(1):527-539	B	4
12	Dioșan L., Rogozan A. and Pecuchet J.-P., Improving classification performance of Support Vector Machine by genetically optimisation of kernel shape and hyper-parameters, Applied Intelligence, 2012, 36(2):280-294	B	4
13	Laura Diosan, Anca Andreica, Multi-objective breast cancer classification by using multi-expression programming, Applied Intelligence, 2015, :	B	4
14	Dioșan, L., Rogozan, A., Pécuchet, J.-P., Automatic Alignment of Medical vs. General Terminologies, 11th European Symposium on Artificial Neural Networks, ESANN 2008, 2008, 487-492	B	4

Producția științifică		Categoria	Punctaj
15	Oltean, M., Diosan, L., An adaptive GP strategy for evolving digital circuits, 12th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems, KES 2008, Zagreb, Croatia, 2008, 376-383	B	4
<b>TOTAL jurnale și conferințe din categoria B</b>			<b>20</b>
16	Diosan L., Oltean M., Evolving the update strategy of the Particle Swarm Optimisation algorithms, International Journal on Artificial Intelligence Tools (IJAIT), 2007, 1(16):87-110	C	2
17	Diosan L., Dumitrescu D., Evolutionary coalition formation in full connected and scale free networks, International Journal of Computers, Communications & Control (IJCCC) - special issue ICCCC, 2008, 3:259-265	C	2
18	Oltean M, Grosan C., Diosan L., Mihaila C., Genetic Programming with Linear Representation: a survey, International Journal on Artificial Intelligence Tools, 2009, 18(2): 197-238	C	1
19	Dioșan L., Rogozan A. and Pecuchet J.-P., Learning SVM with complex multiple kernels evolved by Genetic Programming, International Journal of Artificial Intelligence Tools, 2010, 19(5):647-677	C	1
20	David, D., Dioșan, L., Dumitrescu, D., A New Nature-Inspired Computational Model - Ising Model with Rays, Proceeding of 7th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, SYNASC05, IEEE Computer Society, 2005, :315-320	C	2
21	Dioșan, L., A multi-objective evolutionary approach to the portfolio optimization problem, International Conference on Computational Intelligence for Modelling Control and Automation, CIMCA 2005, Vienna, Austria, IEEE Press, 2005, :183-188	C	2
22	Dioșan, L., Oltean, M., A. Rogozan, J. P. Pecuchet, Improving SVM Performance using a Linear Combination of Kernels, ICANNGA'07, International Conference on Adaptive and Natural Computing Algorithms, Warsaw, Poland, LNCS, 4432, 2007, : 218-227	C	1
23	Dioșan, L., Oltean, M., Who's better? PESA or NSGA II?, The International Conference on Intelligent Systems Design and Applications, Workshop on Evolutionary Multiobjective Optimization: Design and Applications, Brazil, October 22th - 24th, 2007, 2007, :869-874	C	2
24	Dioșan, L., Rogozan, A., Pécuchet, J.-P., Evolving Kernel Functions for SVMs by Genetic Programming, The 2007 International Conference on Machine Learning and Applications ( ICMLA'07), Ohio, USA, 2007, :19-24	C	2
25	Dioșan, L., Dumitrescu, D., A Hybrid Genetic Algorithm based on the Potts system, Workshop, NCA, 7th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, SYNASC07, 2007, :453-456	C	2
26	Rus, A., Rogozan, A., Diosan, L., Benschrair, A., Pedestrian recognition by using a kernel-based multi-modality approach, SYNASC 2014, 2014, :258-263	C	1
27	Rus, A., Rogozan, A., Diosan, L., Benschrair, A., Pedestrian recognition by using a dynamic modality selection approach, ISTC, 2015, :	C	1

Producția științifică		Categoria	Punctaj
28	Adela-Maria Rus, Alexandrina Rogozan, Laura Diosan, Abdelaziz Bensrhair, Pedestrian recognition using a dynamic modality fusion approach, ICCP, 2015, :	C	1
<b>TOTAL jurnale și conferințe din categoria C</b>			20
29	Diosan L., Fanea A., Dumitrescu D., , Genetic Algorithms based on Ising Machine,, The International Journal of Information Technology and Intelligent Computing, , 2007, 1(3):585-594	D	1
30	Fanea A., Diosan L., , Component-Based Model Using P-Systems, , The International Journal of Information Technology and Intelligent Computing,, 2007, 1(3):499-508	D	1
31	Diosan L., Oltean M., What else is the evolution of PSO telling us?, Journal of Artificial Evolution and Applications, 2008, 1(1):41609	D	1
32	Fanea, A., Dioșan, L., , Components Execution Order using Genetic Algorithms,, Studia Universitatis Babes-Bolyai, Seria Informatica, 2005, L(2):23-32	D	1
33	Fanea A., Motogna S., Dioșan L., , Automata-based Component Composition Analysis, Studia Universitatis Babes-Bolyai, Seria Informatica, 2006, LII(1):13-20	D	1
34	Dioșan, L., Dumitrescu, D., David D., , Far From Equilibrium Computation and Particle Swarm Optimization,, Acta Universitatis Apulensis, 2006, LI(1):339-352	D	1
35	Dioșan L., Dumitrescu, D., , Evolutionary Coalition Formation in Complex Networks, Studia Universitatis Babes-Bolyai, Seria Informatica, 2007, LII(1):115-129	D	1
36	Dioșan L., Rogozan A., Pecuchet J.P., Evolutionary Optimisation of Kernel Functions for SVMs, Studia Universitatis Babes-Bolyai, Seria Informatica, 2008, LIII(1):29-44	D	1
37	Dioșan L., Rogozan A., Pecuchet J.P., Improving Definition Alignment by SVM with a Kernel of Kernels , Studia Universitatis Babes-Bolyai, Seria Informatica, 2009, LIV(1):107-110	D	1
38	A. Sirbu, L. Diosan, A. Rogozan, J.P. Pecuchet, , Alignment of Custom Standards by Machine Learning Algorithms, , Studia Universitatis Babes-Bolyai, Seria Informatica, 2010, LV(3):25-36	D	1
39	A. Sirbu, L. Diosan, A. Rogozan, J.-P. Pecuchet, , Model Alignment by Using the Concept Definition, Studia Universitatis Babes-Bolyai, Seria Informatica, 2010, LV(3):59-68	D	1
40	A. Andreica, L. Diosan, R. D. Gaceanu, A. Sîrbu, Pedestrian Recognition by Using Kernel Descriptors, Studia Universitatis Babes-Bolyai, Seria Informatica, 2013, LVIII(2):77-89	D	0.5
41	L. Diosan, A. Rogozan, How the Kernels Can Influence Image Classification Performance, Studia Universitatis Babes-Bolyai, Seria Informatica, 2012, LVII(4):97-109	D	1

Producția științifică		Categoria	Punctaj
42	S. Fratean, L. Diosan, Descriptors fusion and genetic programming for breast cancer detection, Studia Universitas Babes-Bolyai, Seria Informatica, 2015, LX(1):88-97	D	1
43	R. Mocan, L. Diosan, OBSTACLE RECOGNITION IN TRAFFIC BY ADAPTING THE HOG DESCRIPTOR AND LEARNING IN LAYERS, Studia Universitas Babes-Bolyai, Seria Informatica, 2015, LX(2):	D	1
44	Fanea, A., Dioșan, L., Computational Intelligence-based Model for Component Composition Analysis, International Conference on Computers, Communications & Control, Oradea, 2006, :480-485	D	1
45	Fanea, A., Dioșan, L., Evolutionary Approach for Behaviour Component Composition, International Conference on Computers, Communications & Control, Oradea, 2006, :474-479	D	1
46	David, D., Dioșan, L., Dumitrescu, D., A Far From Equilibrium Computation System, the 6th IEEE Communications International Conference, Bucuresti, 2006, :245-248	D	1
47	Muntean O., Dioșan, L., Oltean, M., Solving the even-n-parity problems using Best Sub Tree Genetic Programming, The NASA/ESA Conference on Adaptive Hardware and Systems, AHS 2007, 2007, :511-518	D	1
48	Dioșan, L., Rogozan, A., Pécuchet, J.-P., Evolutionary Optimisation of Kernel and Hyper-Parameters for SVM, MCO 2008, 2008, :107-116	D	1
49	Dioșan, L., Pécuchet, J.-P., Rogozan, A., Learning definition alignment by SVM and a kernel of kernels, KEPT 2009, 2009, :180-186	D	1
50	Oltean, M., Sas, L., A Comparison of Genetic Programming and Statistical Methods for Solving Prediction Problems, International Conference on Computers and Communications, ICC 2004 Mai 27-29, Băile Felix - Oradea, 2004, :321-326	D	1
51	Dioșan, L., Dumitrescu, D., David D., Far From Equilibrium Computation and Particle Swarm Optimization, International Conference on Theory and Applications in Mathematics and Informatics - ICTAMI 2005 September 15-18, 2005, :42-43	D	1
52	David, D., Dioșan, L., Dumitrescu, D., A new Computational Model Based on Ising Machine - Ising model with rays, , Workshop, NCA, 7th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, SYNASC05 September 25-29, Timisoara, 2005, 2005, :45-51	D	1
53	Dumitrescu, D., Dioșan, L., Serban G., Campan, A., Daraban, A., Pop, H. F., Tambulea.L., Cooperative Learning for Distributed Data Mining, International Conference - the Impact of European Integration on the National Economy, Ed. Risoprint, Cluj-Napoca, 2005, 2005, :432 - 440	D	0.2
54	Lortal, G., Dioșan, L., Pécuchet, J.-P., Rogozan, A., Du terme au mot : Utilisation de techniques de classification pour l'alignement de terminologies, Terminologie et Intelligence Artificielle, TIA2007, Sophia Antipolis, France, 2007, :	D	0.5

Producția științifică		Categoria	Punctaj
55	Dioșan, L., Rogozan, A., Pécuchet, J.-P., Alignement des définitions par un apprentissage SVM avec une optimisation des hyper-paramètre, Grand Colloque STIC 2007, 2007, :1-6	D	1
56	Dioșan, L., Rogozan, A., Pécuchet, J.-P., Une approche évolutive pour générer des noyaux multiples, 16e congrès francophone AFRIF-RFIA, Reconnaissance des Formes et Intelligence Artificielle, 2008, 2008, :498-506	D	1
57	Dioșan, L., Rogozan, A., Pécuchet, J.-P., Apport des traitements morpho-syntaxiques pour l'alignement des définitions par SVM, 8 ème édition de la conférence francophone Extraction et Gestion des Connaissances, EGC, 2008 , 2008, :201-202	D	1
58	Dioșan, L., Dumitrescu, D., Evolutionary coalition formation in full connected and scale free networks, The IEEE 2nd International Conference on Computers, Communications & Control (ICCCC 2008), 2008, :259-264	D	1
59	Sas, L., Statistical methods versus Genetic Algorithms - the case of market model, Proceedings of the Symposium Colocviul Academic Clujean de INFORMATICA, 2004, :111-116	D	1
60	David, D., Dioșan, L., and Dumitrescu, D., , A new Computational Model Based Ising Machine , Proceedings of the Symposium Colocviul Academic Clujean de INFORMATICA, 2005, :99-104	D	1
61	Dioșan, L., and Dumitrescu, D. , Cellular Computing using Cellular Neural Networks - a survive, , Proceedings of the Symposium Colocviul Academic Clujean de INFORMATICA, 2005, :219-225	D	1
62	Dioșan, L., Fanea, A., Designing a Component-Based Machine using Multi Expression Programming, , Proceedings of the Symposium Colocviul Academic Clujean de INFORMATICA, 2005, :93-98	D	1
63	David, D., Dioșan, L., and Dumitrescu, D.,, A Far From Equilibrium Model for the Classification Problem, , Proceedings of the Symposium Colocviul Academic Clujean de INFORMATICA, 2006, :1- 6	D	1
64	Dioșan, L., Mihailescu, I., Identifying and Forecasting the Efficient Frontier Using Evolutionary Computation, Proceedings of the Symposium Colocviul Academic Clujean de INFORMATICA, 2006, :97-102	D	1
65	Dioșan, L., and Dumitrescu, D. , Context-based Networks – Scale-free or not?, Proceedings of the Symposium Colocviul Academic Clujean de INFORMATICA, 2008, :	D	1
66	Sîrbu A., Dioșan L., Rogozan, A., Pécuchet, J.-P., , Automatic Alignment of Custom Standards,, ZAC 2010, 2010, :	D	0.5
67	Sîrbu A., Dioșan L., Rogozan, A., Pécuchet, J.-P., , An Automatic Approach In Ontology Alignment, ZAC 2012, 2012, :	D	0.5
<b>TOTAL jurnale și conferințe din categoria D</b>			<b>36.2</b>

c) Impactul rezultatelor

**D. Citări pentru lucrarea:**

Diosan L., Oltean M., Evolving the update strategy of the Particle Swarm Optimisation algorithms, International Journal on Artificial Intelligence Tools (IJAIT), 1(16) : 87-110, 2007

Nr. crt.	Titlu	Autori	Forum (revistă, conferință)	Volum, număr, pagini	Anul	Categorie forum cf	Puncte forum S <sub>i</sub>
1	Genetic programming and serial processing for time series classification	Eva Alfaro-Cid, Ken Sharman, and Anna I. Esparcia-Alcázar,	Evolutionary Computation	22(2):265-285	2014	A	8
Total forumuri A							8
Total forumuri B							0
Total forumuri C							0
Total forumuri D							0
TOTAL							8



## Citări pentru lucrarea:

Oltean M., Diosan L., An autonomous GP-based system for regression and classification problems, Applied Soft Computing, 9(1) : 49-60, 2008

Nr. crt.	Titlu	Autori	Forum (revistă, conferință)	Volum, număr, pagini	Anul	Categorie forum cf	Puncte forum S <sub>i</sub>
1	Scalability analysis of genetic programming classifiers	Hunt, R., Neshatian, K., Zhang, M.	2012 IEEE Congress on Evolutionary Computation, CEC 2012	1-8	2012	A	8
2	Multi-class pattern classification using single, multi-dimensional feature-space feature extraction evolved by multi-objective genetic programming and its application to network intrusion detection	Badran, K., Rockett, P.,	Genetic Programming and Evolvable Machines	13 (1):33-63	2012	A	8
3	Lazy learning for multi-class classification using genetic programming,	Jabeen, H., Baig, A.R.,	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	6839 LNAI , pp. 177-182	2011	D	1
4	A framework for optimization of genetic programming evolved classifier expressions using particle swarm optimization	Jabeen, H., Baig, A.R.,	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	6076 LNAI (PART 1) , pp. 56-63	2010	C	2
5	Two layered Genetic Programming for mixed-attribute data classification	Jabeen, Hajira; Baig, Abdul Rauf,	APPLIED SOFT COMPUTING	12(1):416-422	2012	A	8

6	A Survey on the Application of Genetic Programming to Classification.	Espejo, Pedro G.	IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C- APPLICATIONS AND REVIEWS	40(2):121-144	2010	A	8
7	A new genetic folding algorithm for regression problems,	Mezher, M., Abbod, M.F.,	Proceedings - 2012 14th International Conference on Modelling and Simulation, UKSim 2012 ,	46-51	2012	C	2
8	Genetic folding: Analyzing the mercer's kernels effect in support vector machine using genetic folding,	Mezher, M.A., Abbod, M.F.,	International Journal of Electrical & Computer Engineering	6(1):1-9	2011	D	1
9	Two-stage learning for multi-class classification using genetic programming,	Jabeen, H., Baig, A.R,	Neurocomputing	116:311 - 316	2013	A	8
10	Privacy preserving association rule mining over distributed databases using genetic algorithm,	Keshavamurthy, BN; Khan, AM; Toshniwal, D,	NEURAL COMPUTING&PPLICATIONS	22:S351-S364	2013	C	2
11	Dynamic travel time prediction using data clustering and genetic programming,	Elhenawy, M., Chen, H., Rakha, H.A.,	Transportation Research Part C: Emerging Technologies	42:82 - 98	2014	A	8
12	Multi-class pattern classification using single, multi-dimensional feature-space feature extraction evolved by multi-objective genetic programming and its application to network intrusion detection,	Badran, Khaled and Rockett, Peter,	Genetic Programming and Evolvable Machines	13(1):33 - 63	2012	A	8
Total forumuri A							7

Total forumuri B	0
Total forumuri C	3
Total forumuri D	2
TOTAL	12

### Citări pentru lucrarea:

Diosan L., Dumitrescu D., Evolutionary coalition formation in full connected and scale free networks, International Journal of Computers, Communications & Control (IJCCC) - special issue ICCCC, 3 : 259-265, 2008

Nr. crt.	Titlu	Autori	Forum (revistă, conferință)	Volum, număr, pagini	Anul	Categorie forum cf	Puncte forum S <sub>i</sub>
1	Multi-Subexpression Programming, Applied Mechanics and Materials,	Long Bin Chen, Pei He,	Information Technology Applications in Industry	2:2067-2073	2013	D	1
2	Fractional Genetic Programming for a More Gradual Evolution,	Artur Rataj,	Proceedings of the 22nd International Workshop on Concurrency, Specification and Programming	371-382	2013	D	1
Total forumuri A							0
Total forumuri B							0
Total forumuri C							0
Total forumuri D							2
TOTAL							2

### Citări pentru lucrarea:

Oltean M, Grosan C., Diosan L., Mihaila C., Genetic Programming with Linear Representation: a survey, IJAIT, 18(2), : 197-238, 2009

r. crt.	Titlu	Autori	Forum (revistă, conferință)	Volum, număr, pagini	Anul	Categorie forum cf	Puncte forum S <sub>i</sub>
1	Memory and learning in metaheuristics,	Arin, A., Rabadi, G.,	Studies in Computational Intelligence	427:435-476	2013	C	2
2	An ecological approach to measuring locality in linear genotype to phenotype maps,	Seaton, T., Miller, J.F., Clarke, T.,	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	7244 LNCS:170-181	2012	A	8
3	Symbolic regression via linear genetic programming for pot plant seedling classification	MJM Bieleveld, LOLA Silva, CE Cugnasca, AM Saraiva,	Brazilian Congress of Agro-informatics	1-10	2013	D	1
4	Optimization of Multi-Scenario Problems Using Multi-Criterion Methods: A Case Study on Byzantine Agreement Problem,	Ling Zhu, Kalyanmoy Deb and Sandeep Kulkarni,	COIN Report	1-10	2014	D	1
5	Automatic learning of image filters using cartesian genetic programming,	P.C.D. Paris, E.C. Pedrino, M.C. Nicoletti,	Integrated Computer-Aided Engineering	1-8	2015	B	4
Total forumuri A							1
Total forumuri B							1
Total forumuri C							1
Total forumuri D							2
TOTAL							5

## Citări pentru lucrarea:

Diosan L., Oltean M., Evolutionary design of Evolutionary Algorithms, Genetic Programming and Evolvable Machines, 10 (3) : 263-306, 2009

Nr. crt.	Titlu	Autori	Forum (revistă, conferință)	Volum, număr, pagini	Anul	Categorie forum cf	Puncte forum S <sub>i</sub>
1	The Importance of the Learning Conditions in Hyper-Heuristics,	Loureno, N; Pereira, FB; Costa, E,	GECCO'13: PROCEEDINGS OF THE 2013 GENETIC AND EVOLUTIONARY COMPUTATION CONFERENCE,	1525-1532	2013	A	8
2	Designing Pheromone Update Strategies with Strongly Typed Genetic Programming,	Tavares, Jorge; Pereira, Francisco B.Book Editor(s): Silva, S; Foster, JA, Nicolau,	14th European Conference on Genetic Programming Location: Torino, ITALY 2011 ,Lecture Notes in Computer Science	6621:85-96	2011	A	8
3	Evolving Strategies for Updating Pheromone Trails: A Case Study with the TSP,	Tavares, J., Pereira, F.B.,	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	6239 LNCS (PART 2) , pp. 523-532	2010	A	8
4	Grammatical Evolution of Local Search Heuristics,	Burke, E.K., Hyde, M.R., Kendall, G.,	IEEE Transactions on Evolutionary Computation	16 (3):406-417	2012	A	8
5	Evolving evolutionary algorithms,	Lourenço, N., Pereira, F.B., Costa, E.,	GECCO'12 - Proceedings of the 14th International Conference on Genetic and Evolutionary Computation Companion	51-58	2012	A	8

6	Towards the development of self-ant systems,	Tavares, J., Pereira, F.B.,	Genetic and Evolutionary Computation Conference, GECCO'11	1947-1954	2011	A	8
7	Analytic programming in the task of evolutionary synthesis of a controller for high order oscillations stabilization of discrete chaotic systems,	Oplatkova, ZK; Senkerik, R; Zelinka, I; Pluhacek, M,	COMPUTERS & MATHEMATICS WITH APPLICATIONS	66 (2):177-189	2013	A	8
8	Utilization of analytic programming for the evolutionary synthesis of the robust multi-chaotic controller for selected sets of discrete chaotic systems	Roman Senkerik, Zuzana Kominkova Oplatkova, Ivan Zelinka, Bronislav Chramcov, Donald D. Davendra, Michal Pluhacek,	Soft Computing	18(4):651-668	2014	A	8
9	A Review of Hyper-Heuristic Frameworks,	Patricia Ryser-Welch and Julian F. Miller,	Proceedings of the 50th Anniversary Convention of the AISB	1-8	2014	D	1
10	A problem configuration study of the robustness of a black-box search algorithm hyper-heuristic,	Matthew A. Martin, Daniel R. Tauritz,	Proceedings of the 2014 conference companion on Genetic and evolutionary computation companion	1389-1396	2014	A	8
11	Evolving black-box search algorithms employing genetic	M. Martin, D. Tauritz,	Proceedings of the 15th annual conference companion on Genetic and evolutionary computation,	1497-1504	2013	A	8

	programming,		GECCO 2013				
12	<a href="#">The importance of the learning conditions in hyper-heuristics</a>	Lourenço, Nuno; Pereira, Francisco B; Costa, Ernesto,	roceedings of the 15th annual conference on Genetic and evolutionary computation	1525-1532	2013	A	8
Total forumuri A							11
Total forumuri B							0
Total forumuri C							0
Total forumuri D							1
T O T A L							12



### Citări pentru lucrarea:

Dioşan L., Rogozan A. and Pecuchet J.-P., Learning SVM with complex multiple kernels evolved by Genetic Programming, International Journal of Artificial Intelligence Tools, 19(5) : 647-677, 2010

Nr. crt.	Titlu	Autori	Forum (revistă, conferință)	Volum, număr, pagini	Anul	Categorie forum cf	Puncte forum S <sub>i</sub>
1	Multi-level rough set reduction for decision rule mining.	Ye, Mingquan et al.,	Applied Intelligence	39(3):642-658	2013	B	4
Total forumuri A							0
Total forumuri B							1
Total forumuri C							0
Total forumuri D							0
TOTAL							1

### Citări pentru lucrarea:

Dioşan L., Rogozan A. and Pecuchet J.-P., Improving classification performance of Support Vector Machine by genetically optimisation of kernel shape and hyper-parameters, Applied Intelligence, 36(2) : 280-294, 2012

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1	An enhanced Support Vector Machine classification framework by using Euclidean distance function for text document categorization.	Lee, Lam Hong.	APPLIED INTELLIGENCE	37(1):80-99	2012	B	4
2	An optimization methodology for machine learning strategies and regression problems in ballistic impact scenarios.	Gonzalez-Carrasco, Israel.	APPLIED INTELLIGENCE	36(2):424-441	2012	B	4
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5	Support Vector Machines with Weighted Powered Kernels for Data Classification,	Afif, MH; Hedar, AR; Hamid, THA; Mahdy, YB,	ADVANCED MACHINE LEARNING TECHNOLOGIES AND APPLICATIONS Book Series: Communications in Computer and Information Science	322: 369-378	2012	D	1
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Total forumuri A	2
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Total forumuri D							0
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2	Hybrid metaheuristics for constrained portfolio selection problems,	di Gaspero, L., di Tollo, G., Roli, A., Schaerf, A.,	Quantitative Finance	11 (10):1473-1487	2011	D	1
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7	Self-Adaptive MOEA Feature Selection for Classification of Bankruptcy Prediction Data	Antonio Gaspar-Cunha, Gustavo Recio, L. Costa, and Cesar Estebanez,	The Scientific World Journal	Article ID 314728, 20 pages	2014	D	1
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11	IPESA-II: Improved Pareto envelope-based selection algorithm II,	Li, Miqing; Yang, Shengxiang; Liu, Xiaohui; Wang, Kang,	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics),	7811:143 - 155	2013	D	1
12	Comparative performance evaluation of multiobjective optimization algorithms for portfolio management	Mishra, Sudhansu Kumar; Meher, Sukadev; Panda, Ganapati; Panda, Abhishek, Mishra, Sudhansu Kumar; Meher, Sukadev; Panda, Ganapati; Panda, Abhishek,	2009 World Congress on Nature and Biologically Inspired Computing, NABIC 2009 - Proceedings, 2009	1338 - 1342	2009	D	1
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14	Multiobjective robustness for portfolio optimization in volatile environments	G. Hassan, C. Clack,	Gecco 2008	1507 - 1514	2008	A	8
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Total forumuri B							1
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Total forumuri D							10
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9	Circular Representations of a Valued Preference Matrix	Lidouh, Karim; De Smet, Yves; Huynh, Minh Tuan,	1st International Conference Algorithmic Decision Theory	LNCS 5783:261-271	2009	D	1
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16	A study of parallel and distributed particle Swarm optimization methods,	Vanneschi, Leonardo; Codecasa, Daniele; Mauri, Giancarlo,	Proceeding of the 2nd Workshop on Bio-Inspired Algorithms for Distributed Systems, BADS '10	9 - 16	2010	D	1
Total forumuri A							9
Total forumuri B							1
Total forumuri C							2
Total forumuri D							4
TOTAL							16

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4	Using supportive coevolution to evolve self-configuring crossover	Nathaniel R. Kamrath, Brian W. Goldman, Daniel R. Tauritz,	GECCO 2013	1489-1496,	2013	A	8
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Total forumuri A							5



Total forumuri B	0
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	Approach	Jia-Hong,	Technology and Computer Science, ETCS 2010				
6	Evolutionary Optimization of Least-Squares SVMs	Arjan Gijsberts, Giorgio Metta, Léon Rothkrantz,	Data Mining Annals of Information Systems	8:277-297	2010	D	0.5
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Total forumuri B							1
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2	Automatic configuration of metaheuristic algorithms for complex combinatorial optimization problems,	Yiliang Xu; Meng Hiot Lim; Yew-Soon Ong; ,	Evolutionary Computation, 2008. CEC 2008	2380 - 2387	2008	A	8
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Total forumuri B							0
Total forumuri C							0
Total forumuri D							1
T O T A L							8

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1	Optimization of Complex SVM Kernels Using a Hybrid Algorithm Based on Wasp Behaviour.	Simian, Dana.	LARGE-SCALE SCIENTIFIC COMPUTING	LNCS 5910:361-368	2010	D	0.5
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6	A general frame for building optimal multiple SVM kernels,	Simian, D., Stoica, F.,	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	LNCS 7116: 256-263	2012	D	0.5
7	A nonlinear MIMO system identification based on improved Multi-Kernel Least Squares SVMs (improved Multi-Kernel LS-SVM),	Tarhouni, M., Laabidi, K., Zidi, S.,Ksourilahmari, M.,	International Multi-Conference on Systems, Signals and Devices, SSD'11 - Summary Proceedings	01-Jul	2011	D	0.5
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	training data,		Computing,				
Total forumuri A							0
Total forumuri B							0
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Total forumuri A							1
Total forumuri B							0
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Dioşan, L., Oltean, M., Who's better? PESA or NSGA II?, The International Conference on Intelligent Systems Design and Applications, Workshop on Evolutionary Multiobjective Optimization: Design and Applications, Brazil, October 22th - 24th, 2007, 869-874, 2007

Nr. crt.	Titlu	Autori	Forum (revistă, conferință)	Volum, număr, pagini	Anul	Categorie forum cf	Puncte forum S <sub>i</sub>
1	MOE algorithm based filters for image enhancement,	Mclauchlan, L., Mehrübeoğlu, M.,	Proceedings of SPIE - The International Society for Optical Engineering	1-10	2009	D	1
2	Metaheuristic MO optimization of constrained futures portfolios for effective risk management,	G.A. Vijayalakshmi Pai, Thierry Michel,	Swarm and Evolutionary Computation	19:1-14	2014	C	2
Total forumuri A							0
Total forumuri B							0
Total forumuri C							1
Total forumuri D							1
T O T A L							2

## Citări pentru lucrarea:

Dioșan, L., Rogozan, A., Pécuchet, J.-P., Evolving Kernel Functions for SVMs by Genetic Programming, The 2007 International Conference on Machine Learning and Applications ( ICMLA'07), Ohio, USA, 19-24, 2007

Nr. crt.	Titlu	Autori	Forum (revistă, conferință)	Volum, număr, pagini	Anul	Categorie forum cf	Puncte forum S <sub>i</sub>
1	Creation of Specific-to-Problem Kernel Functions for Function Approximation.	Rubio, Gines.	BIO-INSPIRED SYSTEMS: COMPUTATIONAL AND AMBIENT INTELLIGENCE	5517:335-342	2009	D	1
2	Tuning and evolution of support vector kernels	Koch, P., Bischl, B., Flasch, O., Bartz-Beielstein, T., Weihs, C., Konen, W.,	Evolutionary Intelligence	5 (3): 153-170	2012	B	4
3	Evolving kernel functions with particle swarms and genetic programming,	Schuh, M., Angryk, R., Sheppard, J.,	Proceedings of the 25th International Florida Artificial Intelligence Research Society Conference, FLAIRS-25	80-85	2012	C	2
4	Genetic folding: Analyzing the mercer's kernels effect in support vector machine using genetic folding,	Mezher, M.A., Abbod, M.F.,	World Academy of Science, Engineering and Technology	51:1342-1347	2011	D	1
5	Automatic Construction and Natural-language	JR Lloyd, D Duvenaud, R Grosse,	NIPS 2013	1-5	2013	A	8

	Description of Additive Nonparametric Models	JB Tenenbaum,					
6	Model Selection in Compositional Spaces	Roger Baker Grosse,	PhD thesis, MASSACHUSETTS INSTITUTE OF TECHNOLOGY		2014	D	1
7	Automatic Construction and Natural-Language Description of Nonparametric Regression Models	James Robert Lloyd et al.,	AAAI	1-14	2014	A	8
Total forumuri A							2
Total forumuri B							1
Total forumuri C							1
Total forumuri D							3
TOTAL							7

### Citări pentru lucrarea:

Dioşan, L., Rogozan, A., Pécuchet, J.-P., Optimising multiple kernels for SVM by Genetic Programming, EuroGP2008 & EvoCOP2008, Lecture Notes in Computer Science, Springer Verlag Berlin, Napoly, Italy, 230-241, 2008

Nr. crt.	Titlu	Autori	Forum (revistă, conferință)	Volum, număr, pagini	Anul	Categorie forum cf	Puncte forum S <sub>i</sub>
1	A Survey on the Application of Genetic Programming to Classification.	Espejo, Pedro G.	IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS	40(2):121-144	2009	A	8
2	Genetic complex multiple kernel for Relevance Vector Regression,	Wu, Bing; Zhang, Wen-Qiong; Hu, Zhi-Wei; Liang, Jia-Hong,	Proceedings - 2nd IEEE International Conference on Advanced Computer Control, ICACC 2010	4:217 - 221	2010	D	1
Total forumuri A							1
Total forumuri B							0
Total forumuri C							0
Total forumuri D							1
T O T A L							2

### Citări pentru lucrarea:

Dioşan, L., Rogozan, A., Pécuchet, J.-P., Evolutionary Optimisation of Kernel and Hyper-Parameters for SVM, MCO 2008, 107-116, 2008

Nr. crt.	Titlu	Autori	Forum (revistă, conferință)	Volum, număr, pagini	Anul	Categorie forum cf	Puncte forum S <sub>i</sub>
1	A GP-based kernel construction and optimization method for RVM	Wu, Bing; Zhang, Wen-Qiong; Chen, Ling; Liang, Jia-Hong,	2010 The 2nd International Conference on Computer and Automation Engineering, ICCAE 2010	4:419 - 423	2010	D	1
Total forumuri A							0
Total forumuri B							0
Total forumuri C							0
Total forumuri D							1
TOTAL							1



#### d) Performanța academică

Cărți autor/editate și capitole publicate in edituri de categoria (conform clasamentului SEN SE)

Nr. crt.	Explicație, referințe	Punctaj
1	Diosan, L., Rogozan, A., and Pecuchet, J.-P., Information Retrieval in Biomedicine: Natural Language Processing for Knowledge Integration, Automatic Alignment of Medical Terminologies with General Dictionaries for an Efficient Information Retrieval, IGI Global, 2008	8
TOTAL		8

Publicarea unui curs universitar în format electronic

Nr. crt.	Explicație, referințe	Punctaj
1	Fundamentele Programarii	2
2	Programare Orientata Obiect	2
3	Inteligenta Artificiala	2
4	Metode Inteligente de Rezolvare a Problemelor Reale	2
TOTAL		8

Director (coordonator/responsabil) | membru al unui grant/proiect/contract/program de cercetare national/international

Nr. crt.	Explicație, referințe	Punctaj
1	Evolutionary Computation: New paradigms, techniques and Evolutionary Algorithms classes. Applications in Optimization and Artificial Intelligence, membru, suma: 16500EUR	1
2	VODEL - Valorisation Ontologique des Dictionnaires Electroniques, membru, suma: 1000000EUR	4
3	Natural Computing. Applications in bio-nano-technologies and in bio-information, membru, suma: 70000EUR	2
4	Algoritmi si modele de calcul avand ca sursa de inspiratie procese biologice si fizice, membru, suma: 20000EUR	1
5	Developing and optimisation of hybrid methods based on evolutionary techniques. Applications for NP-complete optimisation problems, coordonator, suma: 14000EUR	2
6	Programare Genetica de Excelenta, membru, suma: 32000EUR	1
7	Noi modele de calcul natural in studiul complexitatii si in rezolvarea problemelor complexe, membru, suma: 500000EUR	4
8	ASICOM - Architecture de Syst\`eme d'information Interop\`erable pour les industries du Commerce, , membru, suma: 1 816 784 EUR	4
TOTAL		19

Membru in comitetul stiintific (de program) al unor conferinte

Nr. crt.	Explicație, referințe	Categorie	Punctaj
1	CIMCA	C	1
2	ICAISC	C	1
3	ISDA	C	1
4	ISDA	C	1
5	synasc	C	1
6	BICTA	D	0.5
7	ICADIW	D	0.5
8	KEPT07	D	0.5
9	KEPT09	D	0.5
10	MacS	D	0.5
11	NDT	D	0.5
12	Students conference	D	0.5
TOTAL			8.5

### Organizare evenimente științifice

Nr. crt.	Explicație, referințe	Punctaj
1	KEPT 2007 - secretar	1
2	KEPT 2009 - secretar	1
TOTAL		2

### Profesor invitat

Nr. crt.	Explicație, referințe	Punctaj
1	Profesor invitat INSA Rouen, 2013	4
TOTAL		4

### Premii și alte merite

Nr. crt.	Explicație, referințe	Punctaj
1	Premiu cercetare UBB	5
TOTAL		5