

Technical University of Cluj-Napoca
Faculty of Automation and Computer Science
Computer Science Department

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LIST OF PUBLICATIONS

A – Doctoral Thesis

„Nature-inspired Techniques for Optimization Problems in Service Oriented and Green Computing”

Mentor: Prof.dr.ing Ioan Salomie

Technical University of Cluj-Napoca, Faculty of Automation and Computer Science

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B – Books and book chapters

B1. BOOKS

1. V. R. Chifu, **C. B. Pop**, I. Salomie, *Bio-inspired Methods for Business Process Mining and Optimization*, Lambert Academic Publishing, Germany, 2015, ISBN-13: 978-3-659-68458-6, nr. pagini: 120.

B2. BOOK CHAPTERS

1. **C.B. Pop**, V.R.Chifu, Personalizing the Patient Discharge Process and Follow-Up Using Machine Learning Algorithms, Assessment Questionnaires and Ontology Reasoning. In: Dey, N. (eds) *Data-Driven Approach for Bio-medical and Healthcare. Data-Intensive Research*. Springer, Singapore, 2022. https://doi.org/10.1007/978-981-19-5184-8_3 [Springer]
2. **C.B. Pop**, Chifu, V.R., Dragoi, N., Salomie, I., Chifu, E.S., Recommending Healthy Personalized Daily Menus—A Cuckoo Search-Based Hyper-Heuristic Approach. In: Dey, N., Ashour, A., Bhattacharyya, S. (eds) *Applied Nature-Inspired Computing: Algorithms and Case Studies*. Springer Tracts in Nature-Inspired Computing. Springer, Singapore, 2019. https://doi.org/10.1007/978-981-13-9263-4_3 [Springer]
3. **C. B. Pop**, V.R. Chifu, E. Dumea, I. Salomie, A Firefly Algorithm-Based Approach for Identifying Coalitions of Energy Providers that Best Satisfy the Energy Demand. In: Dey, N. (eds) *Applications of Firefly Algorithm and its Variants*. Springer Tracts in Nature-Inspired Computing. Springer, Singapore, 2019. https://doi.org/10.1007/978-981-15-0306-1_3 [Springer]
4. Salvatore Vitabile, Michal Marks, Dragan Stojanovic, Sabri Pllana, Jose M. Molina, Mateusz Krzyszton, Andrzej Sikora, Andrzej Jarynowski, Farhoud Hosseinpour, Agnieszka Jakobik, Aleksandra Stojnev Ilic, Ana Respicio, Dorin Moldovan, **C. B. Pop** & Ioan Salomie, Medical Data Processing and Analysis for Remote Health and Activities Monitoring. In: Kołodziej, J., González-Vélez, H. (eds) *High-Performance Modelling and Simulation for Big Data Applications*. Lecture Notes in Computer Science(), vol 11400. Springer, Cham, 2019. https://doi.org/10.1007/978-3-030-16272-6_7 [SPRINGER]
5. **C. B. Pop**, V. R. Chifu, I. Salomie, D. S. Racz, R. M. Bonta, Hybridization of the Flower Pollination Algorithm—A Case Study in the Problem of Generating Healthy

Nutritional Meals for Older Adults. In: Patnaik, S., Yang, X.S., Nakamatsu, K. (eds) Nature-Inspired Computing and Optimization. Modeling and Optimization in Science and Technologies, vol 10. Springer, Cham, 2017. https://doi.org/10.1007/978-3-319-50920-4_7 [SPRINGER]

6. I. Salomie, V. R. Chifu, **C. B. Pop**, Hybridization of Cuckoo Search and Firefly Algorithms for Selecting the Optimal Solution in Semantic Web Service Composition. In: Yang, X.S. (eds) Cuckoo Search and Firefly Algorithm. Studies in Computational Intelligence, vol 516. Springer, Cham, 2013. https://doi.org/10.1007/978-3-319-02141-6_11 [Springer]
7. I. Salomie, M. Dinsoreanu, **C. B. Pop**, S. L. Suci, Rule-based Knowledge Acquisition from Historical Documents, Militon Frentiu, Horia F. Pop (Eds.):Kept 2009 Knowledge Engineering Principles and Techniques - Selected Papers, Presa Universitara Clujeana, ISSN: 2067-1180, pp. 143-150, 2009.

C – Articles in international journals

C1. Articles in journals indexed ISI

1. **C. B. Pop**, T. Cioara, I. Anghel, M. Antal, V. Chifu, C. Antal, I. Salomie, Review of bio-inspired optimization applications in renewable-powered smart grids: Emerging population-based metaheuristics, Energy Reports, Volume 8, 2022, pp. 11769-11798, <https://doi.org/10.1016/j.egyrs.2022.09.025>. [ISI JOURNAL IF: 4.937 Q2]
2. V. Chifu, **C. B. Pop**, D. Demjen, R. Socaci, D. Todea, M. Antal, T. Cioara, I. Anghel, C. Antal, Identifying and Monitoring the Daily Routine of Seniors Living at Home, Sensors Journal, Volume 22, Issue 3, 2022, <https://doi.org/10.3390/s22030992>. [ISI JOURNAL IF: 3.847 Q2]
3. Chifu VR, **Pop C. B.**, Rancea AM, Morar A, Cioara T, Antal M, Anghel I. Deep Learning, Mining, and Collaborative Clustering to Identify Flexible Daily Activities Patterns. Sensors. 2022; 22(13):4803, <https://doi.org/10.3390/s22134803>. [ISI JOURNAL IF: 3.847 Q2]
4. I. Anghel, T. Cioara, D. Moldovan, M. Antal, C. D. Pop, I. Salomie, **C.B. Pop**, V. Chifu, Smart Environments and Social Robots for Age-Friendly Integrated Care Services. Int. J. Environ. Res. Public Health 2020, Volume 17, Issue 11, Article number 3801, 2020, <https://doi.org/10.3390/ijerph17113801>. [ISI JOURNAL IF:4.614 Q1]
5. V. R. Chifu, T. Cioara, **C. B. Pop**, I. Anghel, D. Demjen, I. Salomie, Identification of Daily Living Recurrent Behavioral Patterns Using Genetic Algorithms for Elderly Care. Applied Sciences. 2022; 12(21):11030. <https://doi.org/10.3390/app122111030>. [ISI JOURNAL IF: 2.838 Q2]
6. V. R. Chifu, **C. B. Pop**, I. Salomie, E. St. Chifu, “Hybrid Honey Bees Mating Optimization Algorithm for Identifying the Near-Optimal Solution in Web Service Composition”, Computing and Informatics 36(5): 1143-1172, 2017, 10.4149/cai_2017_5_1143 . [ISI JOURNAL IF: 0.455 Q4]
7. V. R. Chifu, I. Salomie, **C. B. Pop**, A. Niculici, S. Suia, Exploring the Selection of the Optimal Web Service Composition through Ant Colony Optimization, Computing and Informatics Journal, vol. 33, issue 5, 2015. [ISI Journal IF: 0.455 Q4]
8. V. R. Chifu, **C. B. Pop**, I. Salomie, D. S. Suia, A. Niculici, A. Negrean, H. Jeflea, Optimising the Semantic Web Service Composition Process Using Bio-inspired Methods, International Journal of Bio-Inspired Computation, vol. 5, no. 4, 2013, 10.1504/IJBIC.2013.055451. [ISI Journal IF: 3.295 Q2]
9. I. Salomie, M. Dinsoreanu, **C. B. Pop**, S. L. Suci, Knowledge Acquisition from Historical Documents for Preserving Transylvanian Cultural Heritage, Advances in

- Electrical and Computer Engineering Journal, vol. 9, issue 2, pp. 16 - 22, 2009, 10.4316/aece.2009.02003. [ISI JOURNAL IF: 0.825 Q4]
10. **C. B. Pop**, V. R. Chifu, I. Salomie, M. Dinsoreanu, T. David, V. Acretoaie, A. Nagy, C. Oprisa, Biologically-inspired Clustering of Semantic Web Services. Birds or Ants Intelligence? Concurrency and Computation: Practice & Experience Journal, Special Issue on Intelligent Distributed Computing, vol. 24, no. 6, pp. 619–633, 2012, 10.1002/cpe.1853. [ISI Journal IF:1.831 Q3]
 11. V.R. Chifu, E.S. Chifu, C.B. Pop, I. Salomie, M. Lupu, Evolutionary-based method for risk stratification of diabetic patients, International Journal Of Intelligent Engineering Informatics, Volume 7, Issue 1, pp. 37-60, 2019, 10.1504/IJIEI.2019.097549. [ISI JOURNAL]
 12. **C. B. Pop**, V. R. Chifu, I. Salomie, R. B. Baico, M. Dinsoreanu, G. Copil, A Hybrid Firefly-Inspired Approach for Optimal Semantic Web Service Composition, Scalable Computing: Practice and Experience Journal, vol.12, issue3, pp. 363–369, 2011. [ISI JOURNAL]
 13. I. Anghel, C.B. Pop, T. Cioara, I. Salomie, I. Vartic, A Swarm-inspired technique for self-organizing and consolidating data centre servers, in Scalable Computing: Practice and Experience, vol. 14, no. 2, pp. 69-82, 2013. [ISI JOURNAL]
 14. **C. B. Pop**, V. R. Chifu, I. Salomie, M. Dinsoreanu, T. David, V. Acretoaie, Ant-Inspired Framework for Automatic Web Service Composition, Scalable Computing: Practice and Experience - Scientific International Journal for Parallel and Distributed Computing, vol. 12, issue 1, pp. 37–150, 2011. [ISI JOURNAL]

C2. Articles in journals indexed BDI

1. V. R. Chifu, **C. B. Pop**, I. Salomie, M. Dinsoreanu, A. Niculici, D. Suia, Bio-inspired Methods for Selecting the Optimal Web Service Composition – Bees or Cuckoos Intelligence? The International Journal of Business Intelligence and Data Mining, vol.6, issue 4, pp. 321 – 344, 2011, <https://doi.org/10.1504/IJBIDM.2011.044996>.
2. A. Deme, V. R. Chifu, **C. B. Pop**, Emil St. Chifu, I. Salomie, Diabetes risk stratification method based on fuzzy logic and bio-inspired meta-heuristics. Int. J. Comput. Intell. Stud. 8(3): 223-244, 2019.

D – Articles in international conferences

D1. Articles in conference proceedings indexed ISI

1. D. Moldovan, I. Anghel, T. Cioara, I. Salomie, V. Chifu, and **C. B. Pop**, Kangaroo Mob Heuristic for Optimizing Features Selection in Learning the Daily Living Activities of People with Alzheimer’s, International Conference On Control Systems And Computer Science, pp. 236-243, 2019, 10.1109/CSCS.2019.00046.
2. V. Chifu, **C.B. Pop**, T. Cioara, I. Anghel, D. Moldovan, I. Salomie, Identifying the Polypharmacy Side-Effects in Daily Life Activities of Elders with Dementia. In: Del Ser, J., Osaba, E., Bilbao, M., Sanchez-Medina, J., Vecchio, M., Yang, X.S. (eds) Intelligent Distributed Computing XII. IDC 2018. Studies in Computational Intelligence, vol 798. Springer, Cham., 2018 https://doi.org/10.1007/978-3-319-99626-4_33.
3. D. Moldovan, A. Olosutean, V. Chifu, **C. B. Pop**, T. Cioara, I. Anghel, I. Salomie, Big Data Analytics for the Daily Living Activities of the People with Dementia, 2018 IEEE 14th International Conference on Intelligent Computer Communication and

- Processing (ICCP), Cluj-Napoca, 2018, pp. 175-181, doi: 10.1109/ICCP.2018.8516595.
4. V. R. Chifu, **C. B. Pop**, A. Birladeanu, N. Dragoi, I. Salomie, Choice Function-based Constructive Hyper-Heuristic for Generating Personalized Healthy Menu Recommendations, 2018 IEEE 14th International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, Romania, pp. 111-118, 2018.
 5. E. St. Chifu, V. R. Chifu, **C. B. Pop**, A. Vlad, I. Salomie, Machine Learning Based Technique for Detecting Daily Routine and Deviations, 2018 IEEE 14th International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, Romania, pp.183-189, 2018.
 6. D. Moldovan, V. Chifu, **C. B. Pop**, T. Cioara, I. Anghel, I. Salomie, Chicken Swarm Optimization and Deep Learning for Manufacturing Processes, 2018 17th RoEduNet Conference: Networking in Education and Research (RoEduNet), Cluj-Napoca, Romania, 2018, pp. 1-6, doi: 10.1109/ROEDUNET.2018.8514152.
 7. V. R. Chifu, E. St. Chifu, **C. B. Pop**, I. Salomie, M. Lupu, A Bio-Inspired Method for Generating Healthy Meals for Seniors, International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Timisoara, Romania, 2017, pp. 426-433, 10.1109/SYNASC.2017.00077.
 8. V. R. Chifu, E. St. Chifu, **C. B. Pop**, I. Salomie, A. Niculici, "Optimizing the Generation of Personalized Healthy Menus for Elderly People Using a Crab Breeding Inspired Method", 2017 13th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, 2017, pp. 155 - 162.
 9. **C. B. Pop**, V. R. Chifu, I. Salomie, A. Cozac, M. Antal, C. D. Pop, Optimizing the Data Center Energy Consumption using a Particle Swarm Optimization-based Approach, Economics of Grids, Clouds, Systems, and Services, Volume 9512 of the series Lecture Notes in Computer Science pp 176-189, 2016, 10.1007/978-3-319-43177-2_12.
 10. V. R. Chifu, I. Salomie, E.St. Chifu, C.B. Pop, D. Valea, M. Lupu, M. Antal, Hybrid invasive weed optimization method for generating healthy meals, In V.E. Balas, L.C. Jain, B. Kovačević (eds.), Soft Computing Applications (SOFA), Series: Advances in Intelligent Systems and Computing, vol. 356, Springer, 2016, pp. 335-351, 10.1007/978-3-319-18296-4_28.
 11. **C. B. Pop**, V. R. Chifu, I. Salomie, C. Prigoana, T. Boros, D. Moldovan, Generating Healthy Menus for Older Adults using a Hybrid Honey Bees Mating Optimization Approach, SYNASC 2015 - Workshop of Natural Computing and Applications, Timisoara, Romania, 2015, 10.1109/SYNASC.2015.73.
 12. V. R. Chifu, I. Salomie, E. Șt. Chifu, **C. B. Pop**, P. Poruțiu, M. Antal, Jigsaw Inspired Metaheuristic for Selecting the Optimal Solution in Web Service Composition. In: Balas, V., C. Jain, L., Kovačević, B. (eds) Soft Computing Applications. SOFA 2014. Advances in Intelligent Systems and Computing, vol 356. Springer, Cham. https://doi.org/10.1007/978-3-319-18296-4_45.
 13. V. R. Chifu, **C. B. Pop**, I. Salomie, E. St. Chifu, V. Rad, M. Antal, Hybrid Cuckoo Search-based Algorithms for Business Process Mining, Intelligent Systems' 2014 Advances in Intelligent Systems and Computing, vol. 322, pp. 487-498, 2015, 10.1007/978-3-319-11313-5_43.
 14. **C. B. Pop**, V. R. Chifu, I. Salomie, A. Stetco, R. Plaian, Lifestyle Recommendation System for Treating Malnutrition, Intelligent Distributed Computing VIII Studies in Computational Intelligence, vol. 570, pp. 41-46, 2015, 10.1007/978-3-319-10422-5_6.
 15. V. R. Chifu, I. Salomie, E.Șt. Chifu, I. Balla, **C. B. Pop**, M. Antal, Cuckoo Search Algorithm for Clustering Food Offers, IEEE 10th International Conference on

- Intelligent Computer Communication and Processing, pp. 17 – 22, Cluj-Napoca, România, 2014.
16. I. Salomie, M. Dinsoreanu, **C. B. Pop**, R. Lar, Knowledge Acquisition and Processing System for Romanian Historical Documents, The 12th IEEE International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, pp. 194 - 201, Timisoara, Romania, 2010, 10.1109/SYNASC.2010.68.
 17. V. R. Chifu, **C. B. Pop**, I. Salomie, S. Suia, A. Niculici, Optimizing the Semantic Web Service Composition Process using Cuckoo Search, Intelligent Distributed Computing V, Studies in Computational Intelligence, vol. 382, pp. 93-102, 2012.
 18. **C. B. Pop**, V. R. Chifu, I. Salomie, M. Dînsoreanu, T. David, V. Acrețoaie, Ant-inspired Technique for Automatic Web Service Composition and Selection, 1st Workshop on Software Services, The 12th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, pp. 449 – 455, Timisoara, Romania, 2010, 10.1109/SYNASC.2010.35.
 19. V. R. Chifu, **C. B. Pop**, I. Salomie, M. Dînsoreanu, V. Acrețoaie, T. David, An Ant-inspired Approach for Semantic Web Service Clustering, The 9th Roedunet International Conference, pp. 145-150, Sibiu, Romania, 2010.
 20. I. Salomie, M. Dinsoreanu, **C. B. Pop**, S. L. Suci, ArhiNet - A Knowledge-based System for Creating, Processing and Retrieving Archival eContent. Jose Cordeiro, Joaquim Filipe (Eds.): Web Information Systems and Technologies, 5th International Conference, WEBIST 2009, Lisbon, Portugal, March 23-26, 2009, Revised Selected Papers, Lecture Notes in Business Information Processing, vol. 45, pp. 99-112, 2010.
 21. **C. B. Pop**, V. R. Chifu, I. Salomie, M. Dînsoreanu, Immune-inspired Method for Selecting the Optimal Solution in Web Service Composition, Resource Discovery Lecture Notes in Computer Science, vol. 6162, pp. 1-17, 2010.
 22. **C. B. Pop**, V. R. Chifu, I. Salomie, M. Dînsoreanu, V. Acrețoaie, T. David, Semantic Web Service Clustering for Efficient Discovery Using an Ant-based Method, Intelligent Distributed Computing IV, Studies in Computational Intelligence, vol. 315, pp. 23-33, 2010.
 23. **C. B. Pop**, V. R. Chifu, I. Salomie, M. Dînsoreanu, I. Vartic, M. Vlad, Immune-inspired Web Service Composition Framework, The 11th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, pp. 376-383, Timisoara, Romania, 2009, 10.1109/SYNASC.2009.47.
 24. **C. B. Pop**, V. R. Chifu, I. Salomie, M. Dînsoreanu, Optimal Web Service Composition Method Based on an Enhanced Planning Graph and Using an Immune-inspired Algorithm, The 5th IEEE International Conference on Intelligent Computer Communication and Processing, pp. 291-298, Cluj-Napoca, Romania, 2009, 10.1109/ICCP.2009.5284746.
 25. I. Salomie, M. Dinsoreanu, **C. B. Pop**, S. L. Suci, Logistic chain generation with traceability features using web services composition, International Conference on Automation, Quality and Testing, Robotics, vol. 1, pp. 393-397, Cluj-Napoca, Romania 2008, 10.1109/AQTR.2008.4588774.

D2. Articles in conference proceedings indexed BDI

1. Viorica Rozina Chifu;**Cristina Bianca Pop**;Andrei Ciurianu;Emil St. Chifu;Marcel Antal, "Machine Learning-based Approach for Predicting Health Information Using Smartwatch Data," 2021 IEEE 17th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, 2021, pp. 391-397, doi: 10.1109/ICCP53602.2021.9733559.

2. **Cristina Bianca Pop**;Viorica Rozina Chifu;Corina Cordea;Emil Stefan Chifu;Octav Barsan, "Forecasting the Short-Term Energy Consumption Using Random Forests and Gradient Boosting," 2021 20th RoEduNet Conference: Networking in Education and Research (RoEduNet), Iasi, Romania, 2021, pp. 1-6, doi: 10.1109/RoEduNet54112.2021.9638276.
3. Viorica Rozina Chifu;**Cristina Bianca Pop**;Emil St. Chifu;Horatiu Barleanu, "Deep Learning for Forecasting the Energy Consumption in Public Buildings," 2021 20th RoEduNet Conference: Networking in Education and Research (RoEduNet), Iasi, Romania, 2021, pp. 1-6, doi: 10.1109/RoEduNet54112.2021.9638281.
4. **C. B. Pop**, V. R. Chifu, I. Salomie, A. Cozac, I. Mesaros, "Particle Swarm Optimization-based method for generating healthy lifestyle recommendations," 2013 IEEE 9th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, 2013, pp. 15-21, doi: 10.1109/ICCP.2013.6646074.
5. V. R. Chifu, **C. B. Pop**, I. Salomie, I. Balla, R. Paven, "Hybrid Particle Swarm Optimization method for process mining," 2012 IEEE 8th International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, Romania, 2012, pp. 273-279, doi: 10.1109/ICCP.2012.6356199.
6. I. Salomie, V. R. Chifu, **C. B. Pop**, R. Suci, "Firefly-based business process optimization," 2012 IEEE 8th International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, Romania, 2012, pp. 49-56, doi: 10.1109/ICCP.2012.6356160.
7. **C. B. Pop**, V. R. Chifu, I. Salomie, T. Kovacs, A. Niculici, S. Suia, "Business process optimization using bio-inspired methods — Ants or bees intelligence?," 2012 IEEE 8th International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, Romania, 2012, pp. 65-71, doi: 10.1109/ICCP.2012.6356162.
8. **C. B. Pop**, V. R. Chifu, I. Salomie, A. Negrean, H. Jeflea, "Hybrid genetic algorithm for selecting the optimal or near-optimal solution in semantic Web service composition," 2012 IEEE 8th International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, Romania, 2012, pp. 57-64, doi: 10.1109/ICCP.2012.6356161.
9. **C. B. Pop**, M. Vlad, V. R. Chifu, I. Salomie, M. Dinsoreanu, **C. B. Pop**, M. Vlad, V. R. Chifu, I. Salomie and M. Dinsoreanu, "A Tabu Search Optimization Approach for Semantic Web Service Composition," 2011 10th International Symposium on Parallel and Distributed Computing, Cluj-Napoca, Romania, 2011, pp. 274-277, doi: 10.1109/ISPDC.2011.49.
10. A. Nagy, C. Oprisa, I. Salomie, **C. B. Pop**, V. R. Chifu, M. Dinsoreanu, A. Nagy, C. Oprisa, I. Salomie, **C. B. Pop**, V. R. Chifu and M. Dinsoreanu, "Particle Swarm Optimization for Clustering Semantic Web Services," 2011 10th International Symposium on Parallel and Distributed Computing, Cluj-Napoca, Romania, 2011, pp. 170-177, doi: 10.1109/ISPDC.2011.33.
11. I. Salomie, M. Vlad, V. R. Chifu, **C. B. Pop**, "Hybrid immune-inspired method for selecting the optimal or a near-optimal service composition," 2011 Federated Conference on Computer Science and Information Systems (FedCSIS), Szczecin, Poland, 2011, pp. 997-1003.
12. **C. B. Pop**, V. R. Chifu, I. Salomie, M. Vlad, "Cuckoo-inspired hybrid algorithm for selecting the optimal Web service composition," 2011 IEEE 7th International

- Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, Romania, 2011, pp. 33-40, doi: 10.1109/ICCP.2011.6047841.
13. T. Cioara, **C. B. Pop**, I. Anghel, I. Salomie, M. Dinsoreanu, I. Condor, M. Fodor, "Immune-inspired technique for optimizing server's energy consumption," Proceedings of the 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, Romania, 2010, pp. 273-280, doi: 10.1109/ICCP.2010.5606424.
 14. V. R. Chifu, **C. B. Pop**, I. Salomie, M. Dînsoreanu, A. Köver, R. Vachter, "Web service composition technique based on a service graph and particle swarm optimization," Proceedings of the 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, Romania, 2010, pp. 265-272, doi: 10.1109/ICCP.2010.5606427.
 15. I. Anghel, T. Cioara, I. Salomie, G. Copil, D. Moldovan, **C. B. Pop**, "Dynamic frequency scaling algorithms for improving the CPU's energy efficiency," 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, Cluj-Napoca, Romania, 2011, pp. 485-491, doi: 10.1109/ICCP.2011.6047920.
 16. V. R. Chifu, **C. B. Pop**, I. Salomie, M. Dînsoreanu, A. Niculici, and S. Suia, Selecting the Optimal Web Service Composition based on a Multi-Criteria Bee-inspired Method, 12th International Conference on Information Integration and Web-based Applications & Services, pp. 40-47, Paris, France, 2010, <https://doi.org/10.1145/1967486.1967497>.
 17. I. Salomie, M. Dinsoreanu, **C. B. Pop**, S. L. Suci, Model and SOA Solutions for Traceability in Logistic Chains, The 10th International Conference on Information Integration and Web-based Applications & Services, pp. 339-344, Linz, Austria, 2008, <https://doi.org/10.1145/1497308.1497370>.
 18. D. Moldovan, I. Anghel, T. Cioara, **C. B. Pop**, V. Chifu, I. Salomie, Binary Cat Swarm Optimization Feature Selection and Machine Learning Based Ensemble for the Classification of the Daily Living Activities of the Elders. In: Vlad, S., Roman, N.M. (eds) 7th International Conference on Advancements of Medicine and Health Care through Technology. MEDITECH 2020. IFMBE Proceedings, vol 88. Springer, Cham. https://doi.org/10.1007/978-3-030-93564-1_21
 19. C. Maghiar, V. Chifu, **C. B. Pop**, E. S. Chifu, Brain Tumors Detection Using Convolutional Neural Networks. In: Vlad, S., Roman, N.M. (eds) 7th International Conference on Advancements of Medicine and Health Care through Technology. MEDITECH 2020. IFMBE Proceedings, vol 88. Springer, Cham. https://doi.org/10.1007/978-3-030-93564-1_24
 20. **C. B. Pop**, I. Anghel, T. Cioara, I. Salomie, I. Vartic, A swarm-inspired data center consolidation methodology, WIMS '12: Proceedings of the 2nd International Conference on Web Intelligence, Mining and Semantics June 2012, Article No.: 41, Pages 1–7, <https://doi.org/10.1145/2254129.2254180>

E – Papers in journals and conference volumes with referees (not indexed)

1. V. Chifu, **C. B. Pop**, I. Salomie, A. Aczel, Clustering Food Recipes Using A Flower Pollination-Based, ACTA TECHNICA NAPOCENSIS, Electronics and Telecommunications, Volume 56, Number 4, 2015. https://users.utcluj.ro/~atn/papers/ATN_4_2015_7.pdf
2. M. Dansoreanu, I. Salomie, **C. B. Pop**, Integrated System For Developing Semantically-Enhanced Archive Econtent, Revista Română de Informatică și

Automatică, vol. 21, nr. 4, 2011. <https://rria.ici.ro/wp-content/uploads/2018/02/art.-7-Dinsoreanu.pdf>

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Signature

