

List of publications

Prof. dr. Istvan Gergely CZIBULA

I Research papers: 97

Ia Publications in Web of Science: 54

Publications in Science Citation Index Expanded: 25

▪ **Cummulated 2018 IF = 67.737**

1. Şerban, G., Câmpan, A., **Czibula, I.G.**, *A Programming Interface For Finding Relational Association Rules*, International Journal of Computers, Communications and Control, Vol. 1/2006, Proceedings of the International Conference on Computers, Communications and Control, ICCCC 2006, Oradea, 2006, pp. 934-944 (**2018 IF=1.585, Q3**)
2. **Czibula, I.G.**, Lazăr, L.C., Lazăr, I., Motogna, S., Pârv, B., *ComDeValCo Development Tools for Procedural Paradigm*, International Journal of Computers, Communications and Control, Vol. 3, Proceedings of the International Conference on Computers, Communications and Control, ICCCC 2008, Oradea, 2008, pp. 243-247 (**2018 IF=1.585, Q3**)
3. **Czibula, I.G.**, Şerban, G., *Hierarchical clustering based design patterns Identification*, International Journal of Computers, Communications and Control, Vol. 3, Proceedings of the International Conference on Computers, Communications and Control, ICCCC 2008, Oradea, 2008, pp. 248-252 (**2018 IF=1.585, Q3**)
4. Czibula, G., **Czibula, I.G.**, *Incremental Refactoring Using Seeds*, SIC Journal, Studies in Informatics and Control, Vol. 19, Issue. 3, 2010, pp. 271-284 (**2018 IF=1.347, Q3**)
5. Lazăr, L.C., Lazăr, I., Pârv, B., Motogna, S., **Czibula, I.G.**, *Tool support for fUML Models*, International Journal of Computers, Communications and Control, Vol. 5, No. 5, 2010, pp. 770-777 (**2018 IF=1.585, Q3**)
6. Czibula, G., Cojocar, G.S., **Czibula, I.G.**, *Evaluation Measures For Partitioning Based Aspect Mining Techniques*, International Journal of Computers, Communications and Control, 6(1), 2011, pp. 72-80 (**2018 IF=1.585, Q3**)
7. Bocicor, M. I., Czibula, G., **Czibula, I.G.**, *A Distributed Q-Learning Approach to Fragment Assembly*, SIC Journal, Studies in Informatics and Control, Vol. 20, Issue. 3, 2011, pp. 221-232 (**2018 IF=1.347, Q3**)
8. Czibula, G., Bocicor, M. I., **Czibula, I.G.**, *Promoter Sequences Prediction Using Relational Association Rule Mining*, Evolutionary Bioinformatics, Vol. 8, 2012, pp. 181-196 (**2018 IF=2.203, Q2**)
9. Zsuzsanna Marian, Gabriela Czibula, **Istvan Gergely Czibula**, *Using Software Metrics for Automatic Software Design Improvement*, Studies in Informatics and Control, ISSN 1220-1766, vol. 21 (3), pp. 249-258, 2012 (**2018 IF=1.347, Q3**)
10. Czibula, G., **Czibula, I.G.**, *Unsupervised Restructuring of Object-Oriented Software Systems using Self-Organizing Feature Maps*, International Journal of

- Innovative Computing Information and Control, Japan, Volume 8, No. 3(A), 2012, pp. 1689-1704 (2018 IF=1.667, Q2)
11. Czibula, G., **Czibula, I.G.**, Găceanu, R.D., *Intelligent Data Structures Selection using Neural Networks*, Knowledge and Information Systems, Volume 34, Issue 1, 2013, Page 171-192 (2018 IF=2.397, Q2)
 12. Czibula, G., Crişan C.G., Pinte, M.C, **Czibula, I.G.**, *Soft computing approaches on the bandwidth problem*, Informatica, Vilnius, Lithuania, 2013, Vol. 24, No. 1, pp. 1–12 (2018 IF=1.928, Q3)
 13. Czibula, G., Bocicor, M. I., **Czibula, I.G.**, *Temporal Ordering of Cancer Microarray Data through a Reinforcement Learning Based Approach*, PlosOne journal, 8(4): e60883, doi:10.1371/journal.pone.0060883, 2013 (2018 IF=2.776, Q2)
 14. Gabriela Czibula, Zsuzsanna Marian, **Istvan Gergely Czibula**, *Software Defect Prediction using Relational Association Rule Mining*, Information Sciences, Vol. 264, April 2014, pp. 260-278 (2018 IF=5.524, Q1)
 15. Czibula, G., **Czibula, I.G.**, Găceanu, R.D., *A Support Vector Machine Model For Intelligent Selection of Data Representations*, Applied Soft Computing, Volume 18, May 2014, Pages 70–81 (2018 IF=4.873, Q1)
 16. Gabriela Czibula, **Istvan Gergely Czibula**, *Software systems performance improvement by intelligent data structures customization*, Information Sciences, 2014, Vol. 274, pp. 249-260 (2018 IF=5.524, Q1)
 17. Gabriela Czibula, Zsuzsanna Marian, **Istvan Gergely Czibula**, *Detecting Software Design Defects Using Relational Association Rule Mining*, Knowledge and Information Systems, Vol. 42, Number 3, 2015, pp. 545-577 (2018 IF=2.397, Q2)
 18. Gabriela Czibula, **Istvan Gergely Czibula**, Adela Sîrbu, Ioan-Gabriela Mircea, *A novel approach to adaptive relational association rule mining*, Applied Soft Computing journal, Vol. 36, November 2015, pp. 519-533, 2015 (2018 IF=4.873, Q1)
 19. **Czibula, I.G.**, Czibula, G., Marian, Zs., *A Novel Approach Using Fuzzy Self-Organizing Maps for Detecting Software Faults*, Studies in Informatics and Control, ISSN 1220-1766, vol. 25 (2), pp.207-216, 2016 (2018 IF=1.347, Q3)
 20. **Czibula, I.G.**, Czibula, G., Miholca, D.L , *Enhancing relational association rules with gradualness*, International Journal of Innovative Computing, Information and Control, Japan, 13(1), pp. 289-306, 2017 (2018 IF=1.667, Q2)
 21. Vlad-Sebastian Ionescu, Horia Demian, **Istvan-Gergely Czibula**, *Natural Language Processing and Machine Learning Methods for Software Development Effort Estimation*, Studies in Informatics and Control, ISSN 1220-1766, vol. 26(2), pp. 219-228, 2017 (2018 IF=1.347, Q3)
 22. Miholca, D.L, Czibula, G., **Czibula, I.G.**, *A novel approach for software defect prediction through hybridizing gradual relational association rules with artificial neural networks*, Information Sciences 441C (2018), pp. 152-170 (2018 IF=5.524, Q1)
 23. Czibula, G., **Czibula, I.G.**, Marian, Zs., *An effective approach for determining the class integration test order using reinforcement learning*, Applied Soft Computing 65C (2018) pp. 517-530 (2018 IF=4.873, Q1)
 24. Czibula, I.G., **Czibula, G.**, Miholca, D.L., Oneţ-Marian, Zs., *An aggregated coupling measure for the analysis of object-oriented software systems*, Journal of Systems and Software, Volume 148C, pp. 1-20, 2019 (2018 IF=2.559, Q1)

25. Czibula, G., **Czibula, I.G.**, Miholca, D.L, Crivei, M.L., *A novel concurrent relational association rule mining approach*, Expert systems with Applications, Vol. 125, pp. 142-156, 2019, (2018 IF=4.292, Q1)

Publications in Conference Proceedings Citation Index: 29

1. **Czibula, I.G.**, Şerban, G., *A Programming Interface for Determining Refactorings of Object-Oriented Software Systems using Clustering*, ICCP 2007: Proceedings of the IEEE 3rd International Conference on Intelligent Computer Communication and Processing, September, 6-8, 2007, Cluj-Napoca, Romania, pp. 271-274
2. Şerban, G., **Czibula, I.G.**, *Restructuring Software Systems Using Clustering*, ISCIS 2007, Proceedings of The 22th International Symposium on Computer and Information Sciences, IEEEExplore, November 7-9, Ankara, Turkey, 2007, pp. 262-267
3. Şerban, G., **Czibula, I.G.**, *Object-Oriented Software Systems Restructuring through Clustering*, ICAISC'08, The Eighth International Conference on Artificial Intelligence and Soft Computing, LNAI 5097, pp. 693-704
4. **Czibula, I.G.**, Şerban, G., *Identifying Design Patterns in Object-Oriented Software Systems Using Unsupervised Learning*, 2008 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics, AQTR 2008, pp. 347-352
5. Czibula, G., Guran, A., Cojocar, G.S, **Czibula, I.G.**, *Multiagent Decision Support Systems based on Supervised Learning*, 2008 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics, AQTR 2008, pp. 353-358
6. **Czibula, I.G.**, Czibula, G., *Refactorings Detection Using Hierarchical Clustering*, European Computing Conference, ECC'08, Malta, 2008, pp. 332-337
7. **Czibula, I.G.**, Czibula, G., *Clustering based automatic refactorings identification*, SYNASC 2008, The 10th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Timișoara, 2008, pp. 253-256
8. Lazăr, I., Pârv, B., Motogna S., **Czibula, I.G.**, Lazăr, L., *iCOMPONENT: A Platform-Independent Component Model for Dynamic Execution Environments*, SYNASC 2008, The 10th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Timișoara, 2008, pp. 257-264
9. Czibula, G., **Czibula, I.G.**, Cojocar, G.S, Guran, A., *IMASC - An Intelligent MultiAgent System for Clinical Decision Support*, Proceedings of the International Conference on Complexity and Intelligence of the Artificial and Natural Complex Systems - Medical Applications of the Complex Systems Biomedical Computing CANS' 2008, IEEE Society Press, Targu Mures, 2008, pp. 183-188
10. Lazar, I., Parv, B., Motogna, S., **Czibula, I.G.**, Lazar, C.L., *An Agile MDA Approach for the Development of Service-Oriented Component-Based Applications* Proceedings of the International Conference on Complexity and Intelligence of the Artificial and Natural Complex Systems - Medical Applications of the Complex Systems Biomedical Computing CANS' 2008, IEEE Society Press, Targu Mures, 2008, pp. 38-44
11. Czibula, G., Cojocar, G.S, **Czibula, I.G.**, *A partitional clustering algorithm for crosscutting concerns identification*, Proceedings of the International Conference

- on SOFTWARE ENGINEERING, PARALLEL and DISTRIBUTED SYSTEMS (SEPADS '09), Cambridge, UK, 2009, pp. 111-116
12. S. Motogna, I. Lazar, B. Parv, **I. G. Czibula**. *An Agile MDA Approach for Service Oriented Components*, Proceedings 6th International Workshop on Formal Engineering Approaches to Software Components and Architectures, FESCA-ETAPS'2009, in Electronic Notes in Theoretical Computer Science 2009, vol. 253, Elsevier, pp. 95-110
 13. I. Lazar, **I. G. Czibula**, S. Motogna, B. Parv, L. Lazar, *Rapid prototyping of service-oriented applications on OSGi platform*, Proceedings of BCI'09, pp. 217-222, Greece
 14. Czibula, G., Guran, A., **Czibula, I.G.**, Cojocar, G.S., *IPA - An Intelligent Personal Assistant Agent For Task Performance Support*, ICCP 2009: Proceedings of the IEEE 5th International Conference on Intelligent Computer Communication and Processing, 2009, Cluj-Napoca, Romania, pp. 31-34
 15. **Czibula, I.G.**, Czibula, G., Guran, A., *Dynamic customization of data structures instances using an agent based approach*, SYNASC 2009, The 11th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Timișoara, 2009, IEEE Society Press, pp. 341-347
 16. Parv, B., Lazar, I., Motogna, S., **Czibula, I. G.**, Lazar, L., *ComDeValCo Framework – Procedural and Modular Issues*, KEPT 2009, Knowledge Engineering: Principles and Techniques, International Conference, Babes-Bolyai University, 2009, pp. 213-222
 17. **Czibula, I.G.**, *Clustering Based Reengineering of Procedural Systems to Object-Oriented Architectures*, Post-proceedings of KEPT 2009, pp. 205-212
 18. Lazar, L., Lazar, I., Parv, B., Motogna, S., **Czibula, I. G.**, *Using a fUML Action Language to construct UML models*, SYNASC 2009, The 11th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Timișoara, 2009, IEEE Society Press, ISBN 978-0-7695-3694-5, pp. 93-101
 19. Czibula, G., **Czibula, I.G.**, *Adaptive Refactoring Using a Core-Based Clustering Approach*, Proceedings of the 9th International Conference on Software Engineering, Parallel and Distributed Systems (SEPADS '10), Cambridge, UK, 2010, pp. 133-138
 20. Bocicor, M. I., Czibula, G., **Czibula, I.G.**, *A Reinforcement Learning Approach for Solving the Fragment Assembly Problem*, Proceedings of the 13th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, SYNASC 2011, IEEE Computer Society, pp. 191-198, 2011
 21. Czibula, G., Bocicor, M.I., **Czibula, I.G.**, *Solving the Protein Folding Problem Using a Distributed Q-Learning Approach*, International Journal of Computers, Volume 5, Issue 3, 2011, pp. 404-413
 22. **Czibula, I. G.**, Czibula, G., Bocicor, M.I., *A Reinforcement Learning Based Framework for Solving Optimization Problems*, Post proceedings of KEPT 2011, Presa Universitară Clujeană, 2011, pp. 235-246
 23. Diana-Lucia Miholca, Gabriela Czibula, Ioan-Gabriel Mircea, **Istvan Gergely Czibula**, *Machine learning based approaches for sex identification in bioarchaeology*, Symbolic and Numeric Algorithms for Scientific Computing (SYNASC'16), Timisoara, Romania, IEEE Computer Society Press, pp. 311-314
 24. Zsuzsanna Marian, Ioan-Gabriel Mircea, **Istvan-Gergely Czibula** and Gabriela Czibula, *A novel approach for software defect prediction using fuzzy decision trees*, Symbolic and Numeric Algorithms for Scientific Computing (SYNASC'16), Timisoara, Romania, IEEE Computer Society Press, pp. 240-247

25. **Istvan Gergely Czibula**, Gabriela Czibula and Zsuzsanna Marian, *An Improved Approach for Class Test Ordering Optimization using Genetic Algorithms*, ICISOFT, International Conference on Software Technologies, pp. 27-37, 2017
26. Zsuzsanna Marian, Gabriela Czibula, **Istvan Gergely Czibula**, *A hierarchical clustering-based approach for software restructuring at the package level*, SYNASC 2017, 2017, to be published
27. Diana-Lucia Miholca, Gabriela Czibula, Zsuzsanna Marian, **Istvan Gergely Czibula**, *An unsupervised learning based conceptual coupling measure*, SYNASC 2017, 2017, pp. 1-8
28. Gabriel Berecz, **Istvan Gergely Czibula**, *Hunting Traits for Cryptojackers*, Proceedings of the 16th International Conference on Security and Cryptography, Prague, Czech Republic, Volume 2: SECRYPT, pp. 386-393, 2019
29. **Istvan Gergely Czibula**, Zsuzsanna Marian, Robert-Francisc Vida , *Automatic algorithmic complexity determination using dynamic program analysis*, Proceedings of ICISOFT 2019, International Conference on Software Technologies, Prague, Czech Republic, Volume 1, pp. 186-193, 2019

Ib Publications in proceedings of indexed international conferences: 9

1. Şerban, G., **Czibula, I.G.**, *A New Clustering Approach for Systems Designs Improvement*, 2007 International Conference on Software Engineering Theory and Practice, SETP-07, Orlando, USA, July 9-12, 2007, pp. 47-54
2. **Czibula, I.G.**, Şerban, G., *A Hierarchical Clustering Algorithm for Software Design Improvement*, KEPT 2007, Knowledge Engineering: Principles and Techniques, Babes-Bolyai University, June 6-8, 2007, Cluj-Napoca, pp. 316-323
3. **Czibula, I.G.**, Şerban, G., *Software Systems Design Improvement Using Hierarchical Clustering*, SERP'07- The 2007 International Conference on Software Engineering Research and Practice, June 25-28, Las Vegas, USA, 2007, pp. 229-235
4. Şerban, G., **Czibula, I.G.**, Câmpan, A., *Medical Diagnosis Prediction using Relational Association Rules*, International Conference on Theory and Applications of Mathematics and Informatics (ICTAMI'07), Alba-Iulia, 2008, pp. 339-352
5. Czibula, G., **Czibula, I.G.**, Cojocar, G.S., Guran, A., *Decision support system for software maintenance and evolution*, KEPT 2009, Knowledge Engineering: Principles and Techniques, International Conference, in Studia Informatica suppl issue, Babes-Bolyai University, 2009, pp. 181-184
6. **Czibula, I.G.**, *A clustering approach for transforming procedural into object-oriented software systems*, KEPT 2009, Knowledge Engineering: Principles and Techniques, International Conference, in Studia Informatica suppl issue, Babes-Bolyai University, 2009, pp. 185-188
7. **Czibula, I.G.**, Czibula, G., *Hierarchical Clustering for Adaptive Refactorings Identification*, 2010 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics, AQTR 2010, pp. 99-104
8. Czibula, G., Bocicor, M.I., **Czibula, I.G.**, *A Distributed Reinforcement Learning Approach for Solving Optimization Problems*, in *Recent Researches in Communications and IT*, Proceedings of the 5th International Conference on Communications and Information Technology (CIT '11), Greece, 2011, pp. 25-30

9. Marian, Zs., **Czibula, I.G.**, Czibula, G. and Sotoc, S., *Self-organizing maps for identifying software defects*, Proceedings of the International Conference on Knowledge Engineering, Principles and Techniques, KEPT2015, Cluj-Napoca (Romania), July 2–4, 2015, pp. 25–28

Ic Publications in indexed international journals: 32

1. Șerban, G., **Czibula, I.G.**, Câmpan, A., *A Programming Interface For Medical Diagnosis Prediction*, Studia Universitatis "Babes-Bolyai", Informatica, LI(1), 2006, pp. 21-30
2. **Czibula, I.G.**, Șerban, G., *Improving Systems Design Using a Clustering Approach*, IJCSNS International Journal of Computer Science and Network Security, VOL.6 No.12, December 2006, pp. 40-49
3. **Czibula, I.G.**, Șerban, G., *An Analysis of Distance Metrics for Clustering based Improvement of Systems Design*, Studia Universitatis "Babes-Bolyai", Informatica, LII(1), 2007, pp. 45-54
4. Șerban, G., **Czibula, I.G.**, *On Evaluating Software Systems Design*, Studia Universitatis "Babes-Bolyai", Informatica, LII(1), 2007, pp. 55-66
5. **Czibula, I.G.**, Șerban, G., *A Study on clustering based restructuring of Software systems*, Studia Universitatis "Babes-Bolyai", Informatica, LII(2), 2007, pp. 93-100
6. Lazăr, I., Pârv, B., Motogna S., **Czibula, I.G.**, Lazăr, L., *An Agile MDA Approach for Executable UML Structured Activities*, Studia Universitatis "Babes-Bolyai", Informatica, LII(2), 2007, pp. 101-114
7. Pârv, B., Motogna S., Lazăr, I., **Czibula, I.G.**, Lazăr, L., *ComDeValCo - A Framework for Software Component Definition, Validation, and Composition*, Studia Universitatis "Babes-Bolyai", Informatica, LII(2), 2007, pp. 59-68
8. **Czibula, I.G.**, Șerban, G., *Hierarchical Clustering for Software Systems Restructuring*, INFOCOMP Journal of Computer Science, Brazilia, Volume 6 - n. 4, December 2007, pp. 43-51
9. **Czibula, I.G.**, Czibula (Serban), G., *Hierarchical Clustering based Automatic Refactorings Detection*, WSEAS Transactions on Electronics, Issue 7, Vol.5, July 2008, pp. 291-302
10. Șerban, G., **Czibula, I.G.**, *A Search Based Approach for Identifying Design Patterns*, Studia Universitatis "Babes-Bolyai", Informatica, LIII(1), 2008, pp. 3-16
11. Motogna S., Pârv, B., Lazăr, I., **Czibula, I.G.**, Lazăr, L., *Extending OCL-based Action Language for Executable UML Components*, Studia Universitatis "Babes-Bolyai", Informatica, LIII(2), 2008, pp. 15-26
12. **Czibula, I.G.**, Czibula, G., *A partitional clustering algorithm for improving the structure of object-oriented software systems*, Studia Universitatis "Babes-Bolyai", Informatica, LIII(2), 2008, pp. 105-114
13. Șerban, G., **Czibula, I.G.**, *Object-Oriented Software Systems Restructuring using Clustering*, Analele Universitatii de Vest Timisoara, Analele Universitatii de Vest Timisoara, Seria Matematică și Informatică , Vol. XLVI, No. 2, 2008, pp. 161-173
14. Motogna S., Lazăr, I., Pârv, B., **Czibula, I.G.**, Lazăr, L., *Component Classification Criteria for a Platform-Independent Component Repository*,

- International Conference on Applied Mathematics, in Creative Mathematics and Informatics, Vol. 17 (2008) no. 3, pp. 481-486
15. Cojocar, G.S., Czibula, G., **Czibula, I.G.**, *A Comparative Analysis of Clustering Algorithms in Aspect Mining*, Studia Universitatis "Babes-Bolyai", Informatica, LIV(1), 2009, pp. 75-84
 16. Czibula, G., **Czibula, I.G.**, Cojocar, G.S., Guran, A., *Assisting Software Maintenance and Evolution Using an Agent Based Approach*, Post-proceedings of KEPT 2009, pp. 197-204
 17. **Czibula, I.G.**, Czibula, G., *On converting software systems to object oriented architectures*, BRAIN Journal, Special Issue on Complexity in Sciences and Artificial Intelligence, Vol. 1, 2010, pp. 12-17
 18. **Czibula, I.G.**, Czibula, G., *Unsupervised transformation of procedural programs to object-oriented design*, Acta Universitatis Apulensis, Special Issue on Understanding Complex Systems, 2012, pp. 15-27
 19. Czibula, G., Cojocar, G.S., **Czibula, I.G.**, *Identifying Crosscutting Concerns Using Partitional Clustering*, Wseas Transactions on Computers, Issue 2, Volume 8, 2009, pp. 386-395
 20. **Czibula, I.G.**, Czibula, G., Cojocar, G.S., *Hierarchical Clustering for Identifying Crosscutting Concerns in Object Oriented Software Systems*, INFOCOMP Journal of Computer Science, Volume 8, Number 3, Brazilia, 2009, pp. 21-28.
 21. Czibula, G., **Czibula, I.G.**, *Clustering Based Adaptive Refactoring*, Wseas Transactions on Information Science and Applications, Issue 3, Volume 7, 2010, pp. 391-400
 22. **Czibula, I.G.**, Czibula, G., *Adaptive restructuring of object-oriented software systems*, Studia Universitatis "Babes-Bolyai", Informatica, LV(2), 2010, pp. 1-12
 23. Czibula, G., **Czibula, I.G.**, Pinte M.C, *A Reinforcement Learning Approach for Solving the Matrix Bandwidth Minimization Problem*, Studia Universitatis "Babes-Bolyai", Informatica, LV(4), 2010, pp. 9-17
 24. Czibula G., Bocicor, M.I., **Czibula, I.G.**, *A Reinforcement Learning Model for Solving the Folding Problem*, IJCTA - International Journal of Computer Technology and Applications, Vol. 2, Issue 1, 2011, pp. 171-182
 25. Czibula, G., Bocicor, M.I., **Czibula, I.G.**, *An Experiment on Protein Structure Prediction using Reinforcement Learning*, Studia Babes-Bolyai Informatica, LVI (1), 2011, pp. 25-34
 26. **Czibula, I. G.**, Czibula, G., Bocicor, M.I., *A Software Framework for Solving Combinatorial Optimization Tasks*, Studia Universitatis "Babes-Bolyai", Informatica, Proc. of KEPT 2011, Special Issue, LVI(3), pp. 3-8, 2011
 27. Czibula, G., **Czibula, I.G.**, Bocicor, M.I., *A Comparison of Reinforcement Learning Based Models for the DNA Fragment Assembly Problem*, Studia Universitatis "Babes-Bolyai", Informatica, Proc. of KEPT 2013, LVIII(2), pp. 90-102, 2013
 28. Marian Zs., Czibula G., **Czibula I.G.**, *FAOS – A framework for analysing object oriented software systems*, Studia Universitatis "Babes-Bolyai", Informatica, LIX(2), pp.66-81, 2014
 29. Zsuzsanna Marian, **Istvan Gergely Czibula**, Gabriela Czibula and Sergiu Sotoc, *Software Defect Detection using Self-Organizing Maps*, Studia Universitatis "Babes-Bolyai", LX(2), 2015, pp. 55-69
 30. Zsuzsanna Marian, **Istvan Gergely Czibula**, Ioan-Gabriel Mircea and Vlad-Sebastian Ionescu, *A Study on Software Defect Prediction Using Fuzzy Decision Trees*, Studia Universitatis "Babes-Bolyai", LXI(2), 2016, pp. 5-20

31. **I. G. Czibula**, G. Czibula, D.L. Miholca, Z. Marian, *Identifying hidden dependencies in software systems*, Studia Universitatis "Babes-Bolyai" Informatica, 62(1), 2017, pp. 90-106
32. **Istvan Gergely Czibula**, Gabriela Czibula and Zsuzsanna Marian, *Identifying Class Integration Test Order using an Improved Genetic Algorithm-Based Approach*, Communications in Computer and Information Science" (CCIS), Springer, 2018, pp. 163-187

Id Publications in volumes of international conferences which are not indexed: 1

1. **Czibula, I.G.**, Şerban, G., *A new Clustering Algorithm for Refactorings Determination*, BCI'07, Proceedings of the 3rd Balkan Conference in Informatics, 27-29 September 2007, Sofia, Bulgaria, pp. 131-142

Ie Publications in volumes of national conferences which are not indexed: 1

1. **Czibula, I.G.**, *ComDeValCo - Activity Modeling and Execution* Proceedings of the Symposium "Colocviul Academic Clujean de Informatica", *Directii noi de cercetare in Informatica*, 2008, pp. 61-68

II Books published by national publishing houses: 1

1. **Czibula, I., G.**, *Use of search techniques to software development*, Editura Risoprint, ISBN 978-973-53-0119-4, 2009 (248 pagini) – în limba engleză