

LISTA DE LUCRĂRI

GYÖRÖDI CORNELIA AURORA

➤ **Teza de doctorat**

- ***Contribuții la dezvoltarea sistemelor de descoperire a cunoștințelor***, Universitatea Politehnica din Timișoara, Facultatea de Automatică și Calculatoare, 2003.

➤ **Cărți de specialitate publicate în edituri recunoscute naționale**

1. Ion Lungu, Anca Andreescu, Adela Bâra, Anda Belciu, Constanța Bodea, Iuliana Botha, Vlad Diaconița, Alexandra Florea, **Cornelia Györödi**, “Tratat de baze de date. Sisteme de gestiune a bazelor de date”, Volumul 2, Editura ASE, 2015, ISBN 978-606-505-472-1, nr. pag 375.
2. **Györödi Cornelia**, Györödi Robert, Pecherle George, “Programarea în limbajul C. Teorie și Aplicații”, Editura Universității din Oradea, 2015, ISBN 978-606-10-1522-1, nr. pag 250.
3. **Györödi Cornelia**, Györödi Robert, “Sisteme Expert. Teorie și Aplicații în limbajul Visual Prolog”, Editura Universității din Oradea, 2015, ISBN 978-606-10-1521-4, nr. pag 171.
4. Györödi Robert, Lungu Ion, **Györödi Cornelia** “*Sisteme avansate de descoperire a cunoștințelor din bazele de date*”, Editura Universității din Oradea, 2012, ISBN 978-606-10-0733-2, nr. pag 371.
5. **Györödi Cornelia**, Lungu Ion “*Sisteme de baze de date avansate*”, Editura Universității din Oradea, 2011, ISBN 978-606-10-0447-8, nr. pag 350.
6. **Györödi Cornelia**, Pecherle George “*Baze de date relaționale. Teorie și aplicații în Oracle*”, Editura Universității din Oradea, 2008, ISBN 978-973-759-460-0, nr. pag 233.
7. **Györödi Cornelia**, Györödi Robert, Pecherle George, “*Baze de date relaționale. Teorie și aplicații în Visual FoxPro*”, Editura Mediamira, 2008, ISBN 978-973-713-211-6, nr. pag 221.
8. Györödi Robert, **Györödi Cornelia**, “*Recunoașterea formelor și Descoperirea cunoștințelor*”, Editura Mediamira, 2005, ISBN 973-713-088-X, nr. pag. 249.
9. **Györödi Cornelia**, Alina Bogan-Marta, Györödi Robert “*Sisteme expert – Teorie și aplicații în limbajul Prolog*”, Editura Universității din Oradea, 2002, ISBN 973-613-082-7, nr. pag. 132.
10. **Györödi Cornelia**, Györödi Robert “*Baze de date relaționale – Concepte avansate*”, Editura TREIRA, Oradea 2000, ISBN 973-8159-22-9, nr. pag 284.
11. **Györödi Cornelia** “*Baze de date relaționale. Teorie și aplicații*”, TREIRA, Oradea 2000, ISBN 973-8159-23-7, nr. pag 236.

➤ **Capitole de cărți de specialitate publicate în edituri internaționale**

1. **Cornelia Györödi**, Robert Györödi, Mihai Dersidan, George Pecherle, Livia Bandici, "An Improved Hebbian Neural Network with Dynamic Neuronal Life and Relations and Its Connection to a Decision Group", publicat în *New Concepts and Applications in Soft Computing, Studies in Computational Intelligence Volume 417*, 2013, pp 165-174, Springer Berlin Heidelberg, ISBN: 978-3-642-28958-3 (Print), 978-3-642-28959-0 (Online), page 165-174.
2. **Cornelia Györödi**, Robert Györödi, Pecherle, G., Lorand, T., & Alin, R. (2011). Web 2.0 Technologies with jQuery and Ajax. In J. L. Antonakos (Ed.), *Computer Technology and Computer Programming: Research and Strategies* (pp. 99-110), CRC Press, Apple Academic, 2011/4/15, ISBN: 978-1-4665-6259-2.

➤ **Material didactic / Lucrări didactice publicate la edituri cu ISBN**

1. Bogan-Marta Alina, Györödi Robert, **Györödi Cornelia**, "*Teorie si aplicații practice în limbajul Prolog* ", Editura Universității din Oradea, 2003, ISBN 973-613-373-7, nr. pag. 125.

➤ **Articole in reviste cotate ISI cu factor de impact**

- A.1. Ivan, Sergiu C., Robert Ș. Györödi, and **Cornelia A. Györödi**. 2024. "Sentiment Analysis Using Amazon Web Services and Microsoft Azure" *Big Data and Cognitive Computing* 8, no. 12: 166. <https://doi.org/10.3390/bdcc8120166> (Impact factor 4.4, Q1) WOS:001386829400001.
- A.2. **Cornelia Györödi**, Tudor Turtureanu, Robert S Györödi, Doina R. Zmaranda, "Implementing a Synchronization Method between a Relational and a Non-Relational Database", *Big Data and Cognitive Computing* 7, no 3:153, 2023, WOS:001072544400001 (Impact factor 4.4, Q1).
- A.3. **Cornelia Györödi**, Diana V. Dumșe-Burescu, Doina R. Zmaranda, and Robert Ș. Györödi. 2022. "A Comparative Study of MongoDB and Document-Based MySQL for Big Data Application Data Management", *Big Data and Cognitive Computing* 6, no. 2: 49, WOS:000818419400001, (Impact factor 4.4, Q1).
- A.4. Doina R. Zmaranda, Cristian I. Moisi, **Cornelia Györödi**, Robert Ș. Györödi, Livia Bandici, "An Analysis of the Performance and Configuration Features of MySQL Document Store and Elasticsearch as an Alternative Backend in a Data Replication Solution." *Applied Sciences* 11, no. 24: 11590, 2021, Special Issue "Big Data: Advanced Methods, Interdisciplinary Study and Applications", WOS:000735469100001, (Impact factor 2.838, Q2).
- A.5. **Cornelia Györödi**, Diana V. Dumșe-Burescu, Robert Ș. Györödi, Doina R. Zmaranda, Livia Bandici, and Daniela E. Popescu 2021. "Performance Impact of Optimization Methods on MySQL Document-Based and Relational Databases" *Applied Sciences* 11, no. 15: 6794. Special Issue "*Big Data: Advanced Methods, Interdisciplinary Study and Applications*", WOS:000681800600001, (Impact factor 2.838, Q2).
- A.6. **Cornelia Györödi**, Diana V. Dumșe-Burescu, Doina R. Zmaranda, Robert Ș. Györödi, Gianina A. Gabor, George D. Pecherle, "Performance Analysis of NoSQL and Relational Databases with CouchDB and MySQL for Application's Data Storage",

APPLIED SCIENCES-BASEL, eISSN: 2076-3417, Volume: 10, Issue: 23, Article Number: 8524, WOS:000597744500001, 2020, (Impact factor 2.679, Q2)

- A.7. Doina Zmaranda, Lucian-Laurentiu Pop-Fele, **Cornelia Gyorodi**, Robert Gyorodi, George Pecherle, "Performance Comparison of CRUD Methods using NET Object Relational Mappers: A Case Study", *International Journal of Advanced Computer Science and Applications*, Volume: 11 Issue: 1, 2020, Pages: 55-65, JAN 2020, ISSN: 2158-107X, WOS:000518467600007, (Impact factor 0.9, Q3).
- A.8. Silaghi, H; Spoiala, V; Silaghi, AM; Ilias, TI; **Cornelia Gyorodi**; Costea, C; Dale, S; Fratila, OC, "Automatic Control of Colonoscope Movement for Modern Colonoscopy", *International Journal of Advanced Computer Science and Applications*, Volume: 10 Issue: 3 Pages: 16-19, MAR 2019, ISSN: 2158-107X, WOS:000464695700004, (Impact factor 0.9, Q3).
- A.9. Robert Györödi, Marius Iulian Pavel, **Cornelia Györödi**, Doina Zmaranda, "Performance of OnPrem vs. Azure SQL Server. A case study", *IEEE Access Journal*, USA, Volume: 7, Issue:1, 2019, pag. 15894-15902, Print ISSN: 2169-3536, Online ISSN: 2169-3536, ISI Journal in Q1, WOS:000458870700000, (Impact factor 4.098, Q1 in 2019).
- A.10. Anca-Raluca Breje, Robert Györödi, **Cornelia Györödi**, Doina Zmaranda, George Pecherle, "Comparative Study of Data Sending Methods for XML and JSON Models", *International Journal of Advanced Computer Science and Applications*, United Kingdom, Volume 9 Issue 12, 2018, pag. 198-204, ISSN: 2158-107X(Print), ISSN : 2156-5570 (Online), ISI Journal, WOS:000456778600029, (Impact factor 0.9, Q3).
- A.11. Liliana Marilena Matica, **Cornelia Györödi**, Helga Silaghi and Andrei Silaghi, "Mixed Profile Method of Speed and Location for Robotic Arms Motion used for Precise Positioning" *International Journal of Advanced Computer Science and Applications*, Volume 9 Issue 5, pp. 32-36, 2018, WOS:000435403400004, (Impact factor 0.9, Q3).
- A.12. Liliana Marilena Matica, **Cornelia Györödi**, Helga Maria Silaghi, Simona Veronica Abrudan Cacioara, "Real Time Computation for Robotic Arm Motion upon a Linear or Circular Trajectory", *International Journal of Advanced Computer Science and Applications*, United Kingdom, Volume 9 Issue 2, 2018, pag. 15-19, ISSN : 2158-107X(Print), ISSN : 2156-5570 (Online), WOS: 000426979500004, (Impact factor 0.9, Q3).
- A.13. Robert Györödi, Doina Zmaranda, Vlad Georgian Adrian, **Cornelia Györödi**, "A Comparative Study between Applications Developed for Android and iOS", *International Journal of Advanced Computer Science and Applications*, United Kingdom, Volume 8 Issue 11, 2017, pag. 176-182, ISSN: 2158-107X(Print), ISSN : 2156-5570 (Online), WOS:000417985900023, (Impact factor 0.9, Q3).
- A.14. Teodora Husar, **Cornelia Györödi**, Robert Györödi, Sorin Sarca, "A Novel Representation and Searching Algorithm for Opening Hours", *International Journal of Advanced Computer Science and Applications*, United Kingdom, Volume 8 Issue 4, 2017, pag. 98-102, ISSN : 2158-107X(Print), ISSN : 2156-5570, WOS:000403339400014, (Impact factor 0.9, Q3).
- A.15. **Cornelia Györödi**, Robert Györödi, Ioana Andrada Olah, Livia Bandici, "A Comparative Study Between the Capabilities of MySQL vs. MongoDB as a Back-End for an Online Platform", *International Journal of Advanced Computer Science and*

Applications, United Kingdom, Volume 7 Issue 11, 2016, pag. 73-78, ISSN : 2158-107X(Print), ISSN : 2156-5570 (Online), WOS:000391111200011, (Impact factor 0.9, Q3).

- A.16. **Cornelia Györödi**, Robert Györödi, Alexandra Ștefan, Livia Bandici, “A Comparative Study of Databases with Different Methods of Internal Data Management”, *International Journal of Advanced Computer Science and Applications*, United Kingdom, Volume 7 Issue 4, 2016, pag. 266-271, ISSN : 2158-107X(Print), ISSN : 2156-5570 (Online), WOS:000377221300033, (Impact factor 0.9, Q3).
- A.17. **Cornelia Györödi**, Romulus-Radu Moldovan-Dușe, Robert Györödi, George Pecherle, “Improve Query Performance On Hierarchical Data. Adjacency List Model Vs. Nested Set Model”, *International Journal of Advanced Computer Science and Applications*, United Kingdom, Volume 7 Issue 4, 2016, pag. 272-278, ISSN : 2158-107X(Print), ISSN : 2156-5570 (Online), WOS:000377221300034, (Impact factor 0.9, Q3).
- A.18. **Cornelia Györödi**, Robert Györödi, Roxana Sotoc, “[A Comparative Study of Relational and Non-Relational Database Models in a Web- Based Application](#)”, *International Journal of Advanced Computer Science and Applications*, United Kingdom, Volume 6 Issue 11, 2015, pag. 78-83, ISSN : 2158-107X(Print), ISSN : 2156-5570 (Online), **WOS:000369851900012**, (Impact factor 0.9, Q3).
- A.19. George Pecherle, **Cornelia Györödi**, Robert Györödi, "Methods of Isolation for Application Traces Using Virtual Machines and Shadow Copies ", *International Journal of Advanced Computer Science and Applications*, Vol. 5, No. 4, 2014, pag. 33-37, ISSN : 2158-107X(Print), ISSN : 2156-5570 (Online), WOS:000219161300006, (Impact factor 0.9, Q3).
- A.20. **Cornelia Györödi**, Robert Györödi, George Pecherle, George Mihai Cornea – “Full-Text Search Engine Using MySQL”, *International Journal of Computers, Communications & Control (IJCCC)*, Vol. 5, Issue 5, December 2010, ISSN 1841-9836, pag. 731-740, WOS:000283908700015, (Impact factor 2.7, Q3).
- A.21. Mirela Pater, **Cornelia Györödi**, Robert Györödi, Alina Bogan–Marta, “*Mining Multi-Level Association Rules Using FP-Tree and AFOP-Tree*”, *International Journal of Computers, Communications & Control (IJCCC)*, ISSN 1841-9836, eISSN 1841-9844, pp, 341-348, 2006, WOS:000203014800057, (Impact factor 1.9, Q3).

➤ **Articole în volumele unor conferințe științifice indexate ISI Proceedings**

- C1. Zmaranda, L. Pop-Fele, R. Györödi and **Cornelia Györödi**, "Actor Model versus TPL for applications development," 2021 16th International Conference on Engineering of Modern Electric Systems (EMES), 2021, pp. 1-4, doi: 10.1109/EMES52337.2021.9484154, WOS:000855847300054.
- C2. Anca Delia Jurcut, Madhusanka Liyanage, Jinyong Chen, **Cornelia Györödi**, Jingsha He, “On the Security Verification of a Short Message Service Protocol”, publicat în IEEE Wireless Communications and Networking Conference (WCNC 2018), Barcelona, Spain, 15-18 April 2018, ISSN:1525-3511, ISBN:978-1-5386-1734-2, DOI: 10.1109/WCNC.2018.8377349, Book Series: IEEE Wireless Communications and Networking Conference, 2018, WOS:000435542402070.

- C3. Robert Györödi, **Cornelia Györödi**, Anamaria Tontea, Livia Bandici, "A system of categorization and classification based on certain criteria", *IEEE - 6th International Conference on Computers Communications and Control (ICCCC)*, 2016, 10-14 May 2016, Oradea, Romania, pp. 208 – 212, ISBN:978-1-5090-1735-5, WOS:000391251000032.
- C4. **Cornelia Györödi**, Robert Györödi, George Pecherle, Andrada Olah, "A comparative study: MongoDB vs. MySQL", *IEEE - 13th International Conference on [Engineering of Modern Electric Systems \(EMES\)](#), 2015*, Oradea, Romania, 11-12 June 2015, pag. 1-6, ISBN 978-1-4799-7650-8, WOS:000363815100046.
- C5. Robert Györödi, **Cornelia Györödi**, Borha Gabriel, Mihai Burtic, Pal Levente, Ferenczi, Janos "Acquaintance reminder using Google Glass", *IEEE - 13th International Conference on [Engineering of Modern Electric Systems \(EMES\)](#), 2015*, Oradea, Romania, 11-12 June 2015, pag. 1-4, ISBN 978-1-4799-7650-8, WOS:000363815100044.
- C6. **Cornelia Györödi**, Robert Györödi, M. Dersidan, Livia Bandici – "Applying a pattern length constraint on the FP-Growth algorithm", SOFA 2009, *IEEE – Computational Intelligent Society, Proceedings of the International Workshop on Soft Computing Applications*, 29 July- 1 August 2009, Szeged-Hungary, Arad –Romania, pp. 183-187, WOS:000275159600033.
- C7. George Pecherle, **Cornelia Györödi**, Robert Györödi, "Detection of Confidential Data Using the Open Sensitive Area Definition (OSAD) Language", ICCP 2009, *IEEE 5th International Conference on Intelligent Computer Communication and Processing*, 2009, Cluj Napoca, România, 27-29 August, ISBN 978-1-4244-5007-7, nr pag. 347-350, ISI Proceedings, WOS: 000277143300059.
- C8. Gianina Gabor, Zmaranda Doina, **Cornelia Györödi**, Sanda Dale – "Redundancy method used in PLC related applications", SOFA 2009, *IEEE – Computational Intelligent Society, Proceedings of the International Workshop on Soft Computing Applications*, 29 July- 1 August 2009, Szeged-Hungary, Arad –Romania, pp. 117-125, ISBN 978-1-4244-5054-1, WOS:000275159600022.
- C9. Bandici Livia; Bandici Gheorghe; **Cornelia Györödi**, Şoproni Darie, Molnar Carmen, "Study regarding the processing of forest fruits In a microwave field" - *Annals of DAAAM for 2009 & Proceedings of the 20th International DAAAM Symposium*, volume 20, nr 1, ISBN 978-3-901509-70-4, ISSN 1726-9679, pp. 439, Vienna, Austria, 2009-11-25/28, 0877-0879, WOS:000282335600439.
- C10. Reiner Dojen, Anca Jurcut, Tom Coffey and **Cornelia Györödi**, "On Establishing and Fixing a Parallel Session Attack in a Security Protocol", Book series *Studies in Computational Intelligence, Intelligent Distributed Computing, Systems and Applications of Studies in Computational Intelligence*, Springer Berlin / Heidelberg, september 08, 2008, ISBN 978-3-540-85256-8, ISSN 1860-949X (Print) 1860-9503 (Online), WOS:000262163700024.

- C11. **Cornelia Györödi**, Robert Györödi, Mirela Pater, Ovidiu Boc, Zoltan David – “Adaptive Afopt Algorithm”, *SYNASC 2005 7th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing*, Timisoara, Romania, September 25 – 29, 2005, IEEE Computer Society Order Number P2453, ISBN 0-7695-2453-2, pp.134-139, WOS:000235867000019.
- C12. Robert Györödi, **Cornelia Györödi**, Mirela Pater, Ovidiu Boc, Zoltan David – “Afopt Algorithm For Multi-Level Databases”, *SYNASC 2005 7th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing*, Timisoara, Romania, September 25 – 29, 2005, IEEE Computer Society Order Number P2453, ISBN 0-7695-2453-2, pp.129-134, WOS:000235867000018.
- C13. M. Dragomiroiu, Robert Györödi, I. Salomie, **Cornelia Györödi** – “Designing Reusable Web-Applications by Employing Enterprise Frameworks”, *International Symposium on Computer and Information Sciences*, 2003 – ISCIS 2003, November 3-5, 2003, Editura Springer Verlag, Berlin, ISSN 0302-9743, ISBN: 3-540-20409-1 pp. 1051-1059, WOS:000188096800130.

➤ **Articole și lucrări în volumele unor conferințe indexate în alte baze de date internaționale recunoscute (BDI):**

1. A. Gruian, C. A. Györödi and R. Ș. Györödi, "Empowering Non-Technical Users: A Chatbot-Driven Approach to Database Management," *2025 18th International Conference on Engineering of Modern Electric Systems (EMES)*, Oradea, Romania, 2025, pp. 1-6, doi: 10.1109/EMES65692.2025.11045570.
2. David, Ghiurău, Doina Rodica Zmaranda, Robert-Ștefan Györödi, and **Cornelia Györödi**. "Exploring the Impact of Workflow Engines on Business Process Management in Enterprise Applications. A case-study: Camunda." In *2023 17th International Conference on Engineering of Modern Electric Systems (EMES)*, pp. 1-4, 2023, (IEEE).
3. Magics-Verkman, Hannelore, Doina Rodica Zmaranda, **Cornelia Györödi**, and Robert-Ștefan Györödi. "A Comparison of Architectural Patterns for Testability and Performance Quality for iOS Mobile Applications Development." In *2023 17th International Conference on Engineering of Modern Electric Systems (EMES)*, pp. 1-4, 2023, (IEEE), DOI: [10.1109/EMES58375.2023.10171619](https://doi.org/10.1109/EMES58375.2023.10171619).
4. George Andrei Cordis, Felicia Mirabela Costea, George Pecherle, Robert Györödi, and **Cornelia Györödi** "Considerations in Mitigating Kerberos Vulnerabilities for Active Directory." In *2023 17th International Conference on Engineering of Modern Electric Systems (EMES)*, pp. 1-6, 2023, (IEEE).
5. ARION Mircea – Nicolae, BANDICI Livia, TEUȘDEA Alin Cristian, VICAȘ Simona Ioana, MOLNAR Carmen – Otilia, ȘOPRONI Vasile – Darie, HATHAZI Francisc – Ioan, **Cornelia Györödi**, "The Drying of Peppermint Plants Using Microwave Energy", *JEEE*, Volume 15, Number 2, October 2022, pp.16-20, P-ISSN: 1844-6035, E-ISSN: 2067-2128, (Scopus).

6. Mircea Moisoiu, Andrei Negrău, Robert Györödi, Cornelia Györödi, George Pecherle, " QR Code Scanning app for Mobile Devices", *International Journal of Computer Science and Mobile Computing*, Vol.3 Issue.6, June- 2014, pg. 334-341, ISSN 2320–088X, (INSPEC).
7. Robert Györödi, **Cornelia Györödi**, Mihai Dersidan, "An Extended Recommendation System using Data Mining Implemented for Smart Phones", *International Journal of Computers & Technology*, Vol 11, No.3, oct 15 2013, ISSN 2277-3061, Publisher IJCT Foundation, United States, pag. 2360-2372, <https://doi.org/10.24297/ijct.v11i3.1169>, (INSPEC).
8. **Cornelia Györödi**, Robert Györödi, Mihai Dersidan, George Pecherle, Livia Bandici, "An Improved Hebbian Neural Network with Dynamic Neuronal Life and Relations and Its Connection to a Decision Group", publicat în *New Concepts and Applications in Soft Computing*, [Studies in Computational Intelligence](#) Volume 417, 2013, pp 165-174, Springer Berlin Heidelberg, Volume 417, 2013, ISBN: 978-3-642-28958-3 (Print) 978-3-642-28959-0 (Online), page 165-174, (SpringerLink).
9. George Pecherle, Cornelia Györödi, Robert Györödi – “Methods to Protect and Isolate Application Traces Left on a Computer“, *Automation Computers Applied Mathematics*, VOL.21, No.2, 2012, ISSN 1221-437X, pp.145-151, (MathSciNet).
10. **Cornelia Györödi**, Robert Györödi, Mihai Cornea, George Pecherle, "Automated Internal Web Page Clustering for Improved Data Extraction", proceeding WIMS 12, *2nd International Conference on Web Intelligence, Mining and Semantics*, 2012, Craiova, România, 13-15 Iunie 2012, ISBN: 978-1-4503-0915-8, Article No. 66, <http://dl.acm.org/citation.cfm?id=2254209>, doi 10.1145/2254129.2254209, (ACM).
11. George Pecherle, **Cornelia Györödi**, Robert Györödi, Bogdan Andronic, Iosif Ignat "New Method of Detection and Wiping of Sensitive Information", *IEEE 7th International Conference on Intelligent Computer Communication and Processing*, 2011, Cluj Napoca, România, 25-27 August, ISBN 978-1-4577-1478-8, CFP 1109D-PRT, nr pag. 145-148, (IEEE).
12. George Pecherle, **Cornelia Györödi**, Robert Györödi, Bogdan Andronic – “Data Wiping System with Fully Automated, Hidden and Remote Destruction Capabilities”, *Journal WSEAS TRANSACTIONS on COMPUTERS*, Issue 9, Volume 9, September 2010, ISSN: 1109-2750, pag. 939-948, (Scopus).
13. Robert Györödi, **Cornelia Györödi**, George Pecherle, George Mihai Cornea – “ Web Page Analysis Based on HTML DOM and Its Usage for Forum Statistics, Alerts and Geo Targeted Data Retrieval”, *Journal WSEAS TRANSACTIONS on COMPUTERS*, Issue 8, Volume 9, August 2010, ISSN: 1109-2750, pag. 822-831, (Scopus).
14. **Cornelia Györödi**, Robert Györödi, George Pecherle, Livia Bandici, M. Dersidan – “An Improved Hebbian Neural Network with Dynamic Neuronal Life and Relations”, SOFA 2010, IEEE – *Proceedings of the 4th International Workshop on Soft Computing Applications*, 15-17 July 2010, Arad – Romania, pp. 233-237, IEEE Catalog number CFP1028D-PRT, ISBN 978-1-4244-7982-5, (IEEE).
15. Sanda Dale, Gianina Gabor, **Cornelia Györödi**, Zmaranda Doina – “Interpolative Control Algorithm Applied on a 3D-Mechatronic System”, SOFA 2010, IEEE – *Proceedings of the 4th International Workshop on Soft Computing Applications*, 15-17 July 2010, Arad – Romania, pp. 229-233, ISBN 978-1-4244-7982-5, (IEEE).

16. Robert Györödi, **Cornelia Györödi**, George Pecherle, George Mihai Cornea – “ Web page Analysis based on HTML DOM and its usage for forum statistics and alerts”, *ECC'10, European Computing Conference, Proceedings of the 4th European Computing Conference, Electrical and Computer Engineering Series Books*, April 20-22, 2010, Universitatea Politehnica Bucharest, Romania, Published by WSEAS Press, ISSN 1790-5117, ISBN 978-960-474-178-6, pag. 212-218, (Scopus, ACM).
17. George Pecherle, **Cornelia Györödi**, Robert Györödi, Bogdan Andronic – “ Fully Automated and Hidden System for Wiping Sensitive Data”, *ECC'10, European Computing Conference, Proceedings of the 4th European Computing Conference, Electrical and Computer Engineering Series Books*, April 20-22, 2010, Universitatea Politehnica Bucharest, Romania, Published by WSEAS Press, www.wseas.org, ISSN 1790-5117, ISBN 978-960-474-178-6, pag. 189-194, (Scopus, ACM).
18. **Cornelia Györödi**, Robert Györödi, Alina Bogan-Marta, Mirela Pater – “*The Distributed Algorithms in Mining Association Rules*”, *Romanian Academy Journal: FUZZY SYSTEMS & A.I., Reports And Letters*, vol. 10, No. 1-2, pp. 55-65, 2004, ISSN: 1016-2127, pp.55-65.
19. **Cornelia Györödi**, Robert Györödi, Stefan Holban – “A Comparative Study of Association Rules Mining Algorithms”, *SACI 2004, 1st Romanian- Hungarian Joint Symposium on Applied Computational Intelligence*, Timisoara, Romania, May 25-26, 2004, IEEE Romanian Section, pp. 213-222, (IEEE).
20. **Cornelia Györödi**, Robert Györödi – “Frequent Patterns Discovery without Candidates Generation”, *revista Română de Informatică și Automatică*, Volume 13, Number 4 , 2003, ISSN 1220-1758, pp.76-88 (ISI, DOAJ).
21. **Cornelia Györödi**, Robert Györödi, T. Coffey & S. Holban – “*Mining association rules using Dynamic FP-trees*”, *Proceedings of Irish Signal and Systems Conference*, IEEE Signal Processing Society, University of Limerick, Limerick, Ireland, 30th June-2nd July 2003, ISBN 0-9542973-1-8, pp.76-82 (IEEE).

➤ **Articole publicate în alte reviste de specialitate și în volumele unor manifestări științifice**

1. Petrica Pop, Ovidiu Matei, Emil Burzu, **Cornelia Györödi** – “A Computational Analysis of Heuristic Algorithms on Generalized Vehicle Routing Problem”, *Journal of Computer Science and Control System*, Vol 4, nr. 1, May 2011, ISSN 1844-6043, pag. 143-149.
2. Constantinescu Cristian, **Cornelia Györödi**, Robert Györödi, George Pecherle – “Design and Implementation of Distributed N-Tier Applications”, *Journal of Computer Science and Control System*, The 8th International Conference on Advances in Electro-Technologies ICAdET'2010, 27-28 May 2010, Oradea, Romania, pag. 29-37.
3. Robert Györödi, **Cornelia Györödi**, George Pecherle, Mihai Craciun – “Immutability in Java”, *Proceedings, 8-th RoEduNet International Conference*, 3-4 Decembrie 2009, Galați, Romania, nr. pp. 132-136, ISBN 978-606-8085-15-9.
4. **Cornelia Györödi**, Robert Györödi, George Pecherle, Lorand Tamas, “Web 2.0 Technologies with jQuery and Ajax”, *The Journal of Computer Science and Control Systems* (ISSN code 1844-6043), The International conference on Engineering of Modern Electric Systems, session Computer Science and Control Systems, May 27-29, 2009, Oradea, Romania, ISSN 1844-6043, pp. 11-16.

5. Robert Györödi, **Cornelia Györödi**, G. Pecherle, R. Lucaciu, “*Network Security using firewalls*”, *Journal of Computer Science and Control Systems*, The 7th International Conference on Renewable Sources and Environmental Electro-Technologies RSEE’2008, Session Computer Science and Control Systems, May 29-30, 2008, Oradea, Romania ISSN 1844-6043, pag. 38-42, 2008.
6. **Cornelia Györödi**, Robert Györödi, G. Pecherle, D. Zoltan, “*Building a Social Network using Ajax and RSS*”, *Journal of Computer Science and Control Systems*, The 7th International Conference on Renewable Sources and Environmental Electro-Technologies RSEE’2008, Session Computer Science and Control Systems, May 29-30, 2008, Oradea, Romania ISSN 1844-6043, pag. 34-38, 2008.
7. **Cornelia Györödi**, Robert Györödi, Csilla Kellemen, Ioana Lasc, Daniel Ciobanu, Dan Pop, “*Web 2.0 technologies with Ajax*”, *Analele Universității din Oradea, Proceedings EMES’07, The International conference on Engineering of Modern Electric Systems, session Computer Science and Control Systems*, May 24-26, 2007, Oradea, Romania, ISSN 1223-2106, pp.38-43.
8. Robert Györödi, **Cornelia Györödi**, Viland Tamas Tibor – “*Communication Resources over Electronic Mail*”, RSEE’ 2006, *Analele Universității din Oradea, The 6th International Conference on Renewable Sources and Environmental Electro-Technologies, Session Computer Science and Control Systems*, June 8-10, 2006, Stana de Vale-Spa, Romania, ISSN 1841-7213, pp.19-23
9. Mirela Pater, Alina Bogan-Marta, **Cornelia Györödi**, “*Mining frequent itemsets using adaptive support constrains*”, RSEE 06, *The 6th International Conference on Renewable Sources and Environmental Electro-Technologies, Session Computer Science and Control Systems*, ISSN 1841-7213, June 8-9, 2006, Oradea, Romania, pp. 35-39.
10. Robert Györödi, **Cornelia Györödi**, Mirela Pater, Ovidiu Boc, Zoltan David – “*Fp-Growth Algorithm For Multi-Level Databases*”, *Proceedings CSCS15, 15th International Conference on Control Systems and Computer Science*, Bucharest, May, 2005, Romania, pp.99-104, ISBN 973-8449-89-8.
11. Mirela Pater, Robert Györödi, **Cornelia Györödi**, Ovidiu Boc, Zoltan David – “*Multi-Level Apriori Algorithm*”, *Proceedings CSCS15, 15th International Conference on Control Systems and Computer Science*, Bucharest, May, 2005, Romania, pp.104-109.
12. Robert Györödi, St. Mogyrosi, **Cornelia Györödi**, Mirela Pater – “*Security System for SMS Messaging*”, *Analele Universității din Oradea, The International conference on Engineering of Modern Electric Systems, session Computer Science and Control Systems*, May 26-28, 2005, Oradea, Romania, ISSN 1223-2106, pp.43-47.
13. Mirela Pater, Robert Györödi, **Cornelia Györödi** – “*Comparison Study of Leading Data Mining Tools*”, *Analele Universității din Oradea, Proceedings EMES’05, The International conference on Engineering of Modern Electric Systems, session Computer Science and Control Systems*, May 26-28, 2005, Oradea, Romania, ISSN 1223-2106, pp.98-104.
14. **Cornelia Györödi**, Robert Györödi, Alina Bogan-Marta, Mirela Pater, – “*The distributed algorithms in mining association rules*”, *ICCC 2004 International Conference on Computers and Communications*, First Edition, ISBN 973-613-542-X, May 27-29, 2004 Baile Felix Spa-Oradea, Romania, pp. 186-192.

15. Robert Györödi, S. Caus, S. Holban, **Cornelia Györödi**, Alina Bogan–Marta – “Management System for Electrical Residential Installation”, *Scientific Bulletin of „Politehnica” University of Timisoara*, Vol 49(63) nr. 2, 2004, ISSN 1224-600X, pp. 209-215.
16. **Cornelia Györödi**, Robert Györödi – “Association Rules Mining in Distributed Environments”, *Annals of University of Craiova, Electrical Engineering Series*, nr 27, vol I , 2003, ISSN 1223-530X, pp.126-133.
17. **Cornelia Györödi** – “A comparative study of distributed algorithms in mining association rules”, SINTES 11, *International Symposium on System Theory –XI Edition*, Craiova, Romania, Octombrie 23-24, 2003, ISBN 973-8043-415-5, pag. 339-345.
18. Robert Györödi, Stefan Holban, Tom Coffey, **Cornelia Györödi** - “Identity Confirmation System Based on CTAG and HMM”, CONTI’2002, *5th International Conference on Technical Informatics*, October 18-19th 2002, Timisoara, Romania, Transactions on Automatic Control and Computer Science, Scientific Bulletin of „Politehnica” University of Timisoara, Vol 47(61) nr. 2, 2002, pag. 35-41.
19. **Cornelia Györödi**, Robert Györödi, Mirela Pater - “Mining Knowledge in Relational Databases”, CONTI’2002, *5th International Conference on Technical Informatics*, October 18-19th 2002, Timisoara, Romania, Transactions on Automatic Control and Computer Science, Scientific Bulletin of „Politehnica” University of Timisoara, Vol 47(61) nr. 2, 2002, pag. 1-6.

➤ **Proiecte/granturi de cercetare câștigate prin competiție**

A. Director/responsabil partener:

- P1. **Director**, în proiectul de cercetare–dezvoltare PC nr 21-036/A din 18.09.2007, partener P1 - Universitatea din Oradea, “Deservirea energetică a unei comunități locale utilizând curenții de aer”, 18.09.2007-01.09.2010. Valoarea proiectului corespunzătoare partenerului P1 este de 325000 RON.
- P2. **Director**, în proiectul de cercetare-dezvoltare cod CNCISIS AT nr.44/2005, “Aplicații ale tehnicilor data mining în procesul decizional”, 2005. Valoarea proiectului: 114000 RON.
- P3. **Manager proiect** POSDRU/109/2.1/G/82033 - “Convergența pregătirii practice universitare pentru integrarea reușită a studenților pe piața muncii”, 2012-2013. Parteneri: SC ROMARKETING SRL, Oradea, Bihor, CAMERA DE COMERȚ ȘI INDUSTRIE BIHOR, cu sediul în Oradea, Coordonator proiect, lider de parteneriat (beneficiar) - Universitatea din Oradea (UO), proiect finanțat cu suma nerambursabila de 1862141.88 RON, 2011-2013. Valoare proiect 1.900.144 RON.

B. Membru în proiecte/grant naționale și internaționale

- P4. Membru în Proiectul PNRR "Implementarea de tehnologii digitale în Universitatea din Oradea (DigitalUO)", 2022-2025, Contract no, 14068/16.09.2022. Valoarea proiectului 30,275,536.76 lei.
- P5. Membru/Responsabil IT în proiectul FDI_INTEGR_UO-2022-0100, ”Integrarea practicilor de transparență și echitate în strategiile de calitate educațională la nivelul

Universității din Oradea (INTEGR_UO)", 2022. Bugetul proiectului: 305.696 lei, <https://e.uoradea.ro/course/index.php?categoryid=12662>.

P6. Membru în Proiectul CNFIS-FDI-2021-0096 "Consolidarea unei culturi a calității activităților didactice prin digitalizare și respectarea deontologiei academice la Universitatea din Oradea (QADDA)", 2021, valoarea proiectului 323296 lei.

P7. Membru în Proiectul PN-II-PT-PCCA-2013-4-2225. Contract NR. 170 /2014. "Metode electromagnetice pentru îmbunătățirea procedeelor vinicole (WINETECH)". <http://www.wine-tech.ro>. Perioada de desfășurare: 01.07.2014 – 30.06.2016. Coordonator: Universitatea din Oradea, parteneri: Universitatea Politehnica din București, ICPE S.A. București. Valoare totală a proiectului: 1.242.800 lei. Valoarea pentru Universitatea din Oradea este: 250000 RON.

P8. Membru/Expert pe termen lung din partea Universității din Oradea, în proiectul POSDRU/89/1.5/S/56287 "Programe Postdoctorale în Avangarda Cercetării de Excelență în Tehnologiile Societății Informaționale și Dezvoltarea de Produse și Procese Inovative", Proiect cofinanțat din Fondul Social European prin Programul Operațional Sectorial Dezvoltarea Resurselor Umane, Proiect implementat de INCDTP București în parteneriat cu ASE București, Universitatea din Oradea, Association Groupe ESSEC – Franța, 2010-2013, valoare proiect 8006579,53 RON.

P9. Membru, Proiect internațional nr. RO/2006/PL97208/S, "Student's practical involvement in the Knowledge-based economy - Implicarea practică a studenților în economia bazată pe cunoaștere", 18.01.2007-01.07.2007. Finanțarea proiectului în valoare de 22160 EURO.

P10. Membru, Proiect TEMPUS S_JEP 14009-99, "Cercetări în domeniul sistemelor integrate de management", 1999-2000.

➤ **Expert științific atestat național / internațional**

- Evaluator ARACIS la nivel național în domeniul Calculatoare și Tehnologia informației http://pfe.aracis.ro/inscriere/registru/lista_c_d/13/43/
- Expert evaluator la European Commission Research Executive Agency in cadrul programului H2020-MSCA-ITN-2018, CONTRACT NUMBER - CT-EX2014D198011-101, 2018.
- Expert – Evaluator/Raportor la UEFISCDI (Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării), în cadrul PNCDI III - Programul 2 - Subprogramul 2.1. Proiecte Transfer către Operatorul Economic - PTE-2021, 2021.
- Expert – Evaluator/Raportor la UEFISCDI (Unitatea Executivă pentru Finanțarea Învățământului Superior, Cercetării, Dezvoltării și Inovării), în cadrul PN-IV-P7-7.1-PTE- 2024 – Proiecte de transfer la operatorul economic (PTE 2024), 2024.
- Membru în comisii de evaluare în vederea autorizării sau acreditării a diverse specializări din învățământul de licență și de masterat ale Universității din Oradea.

➤ **Recunoasterea prestigiului științific**

A. Membru în colectivele de redacție sau comitetele științifice a unor conferințe internaționale sau reviste indexate ISI

- Membru în comitetul de recenzie la 13th International Conference on Engineering of Modern Electric Systems (EMES), 2015, conferința indexată ISI.
- Membru în comitetul de recenzie la International Journal of Advanced Computer Science and Applications, <http://thesai.org/Reviewers/Details/47162984-3910-4b16-90a8-f8fe0992e642>, din 2016 – prezent.
- Membru în comitetul de recenzie la Cluster Computing Journal, <https://publons.com/researcher/2843133/gyorodi-cornelia/peer-review/>, 2021
- Membru în comitetul de recenzie la Applied Science Journal, 2021, <https://publons.com/researcher/2843133/gyorodi-cornelia/peer-review/> din 2021-prezent.
- Membru în comitetul de recenzie la Computers Journal, ISSN: 2073-431X, din 2021 (Q2).
- Membru în comitetul de recenzie Safety Journal, 2021 (Q2).
- Membru în comitetul de recenzie la Big Data and Cognitive Computing Journal (Q2), ISSN: 2504-2289, din 2022.
- Membru în comitetul de recenzie la Future Internet Journal (Q2), ISSN: 1999-5903, 2022.
- Membru în comitetul de recenzie la Applied Sciences Journal (Q2), ISSN: 2076-3417 din 2022.
- Membru în comitetul de recenzie la MAKE Journal, ISSN: 2076-3417, 2024.
- Membru în comitetul de recenzie la Information Journal (Q2), ISSN: 2076-3417, 2024.
- Membru în comitetul de recenzie la Algorithms Journal (Q2), ISSN: 2076-3417, 2024.
- Membru în comitetul de recenzie la Software: Practice and Experience Journal, 2024, <https://www.webofscience.com/wos/author/record/B-3442-2010>.
- Membru în comitetul de recenzie la Machine Learning and Knowledge Extraction Journal, 2024, <https://www.webofscience.com/wos/author/record/B-3442-2010>.
- Membru în comitetul de recenzie la IEEE Access Journal (Q2), 2024, <https://www.webofscience.com/wos/author/record/B-3442-2010>.
- Membru în comitetul de recenzie la IEEE Transactions on Knowledge and Data Engineering (Q1), 2024.

B. Membru în colective de redacție sau comitete științifice BDI

- Membru în Technical Committee la BDAS'19 The 15th International Conference Beyond Databases, Architectures and Structures BDAS 2019: IEEE technically co-sponsored 28-31 May, Ustroń, Poland, 2019.
- Membru în Editorial Board la IETI Transactions on Computers (ISSN : 2414-1429), <http://www.ieti.net> , <http://www.ieti.net/pro/memberdetail.aspx?ID=227>
- Membru în Technical Committee 16th International Conference on Engineering of Modern Electric Systems (ICMES 2021) JUNE 10-11, 2021 <https://www.icemes.uoradea.ro/icemes2021/technical-programme-committee.html>
- Membru în Technical Committee The 26th World Multi-Conference on Systemics, Cybernetics and Informatics: WMSCI 2022, July 12 - 15, 2022, Virtual Conference, <https://www.iiis2022.org/wmsci/Website/PCReviewers.asp?vc=1>
- Membru în Technical Committee 17TH INTERNATIONAL CONFERENCE ON ENGINEERING OF MODERN ELECTRIC SYSTEMS (ICMES 2023), JUNE 9-10, 2023, <https://www.icemes.uoradea.ro/icemes2023/committees.html>"

- Membru în Technical Committee UBICOMM 2024, The Eighteenth International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies, September 29 - October 03, 2024 in Venice, Italy, UBICOMM 2024, <https://www.iaria.org/conferences2025/ComUBICOMM25.html>
- Membru în Technical Committee INISTA 2024, 4-6 September in Craiova, Romania, <https://dcti.ucv.ro/inista2024/>.

➤ Premii

- Subprogram 1.1 - Resurse Umane - Premiarea rezultatelor cercetării - Articole, Competitia 2019, PN-III-P1-1.1- PRECISI-2019- 33924, Autorii: Robert Györödi; Marius Iulian Pavel; **Cornelia Györödi**; Doina Zmaranda, Articolul: *Performance of OnPrem Versus Azure SQL Server: A Case Study*, publicat în IEEE Access Journal, USA, Volume: 7, Issue:1, 2019, pag. 15894-15902, Print ISSN: 2169-3536, Online ISSN: 2169-3536, Digital Object Identifier (DOI): 10.1109/ACCESS.2019.2893333, ISI Journal in Q1, Impact factor 4.098 din 2019, Accession Number: WOS:000458870700001.
- Subprogram 1.1 - Resurse Umane - Premiarea rezultatelor cercetării - Articole, Competitia 2021, PN-III-DCD-RU-PRECISI-2021-6, PRECISI-2021-93180, Autorii: **Cornelia Györödi**, Diana V. Dumșe-Burescu, Robert Ș. Györödi, Doina R. Zmaranda, Livia Bandici, and Daniela E. Popescu Articolul: "Performance Impact of Optimization Methods on MySQL Document-Based and Relational Databases" *Applied Sciences* 11, no. 15: 6794, 2021. Special Issue "*Big Data: Advanced Methods, Interdisciplinary Study and Applications*", Accession Number: WOS:000681800600001, (Impact factor 2.838, Q2).

Data completării:
20.09.2025

Semnătura