LISTA DE LUCRĂRI ȘTIINȚIFICE – Crina Anina Bejan

A. Teza de doctorat

"Optimizarea şi securitatea sistemelor de E-Business "
Universitatea Babeş – Bolyai Cluj – Napoca, anul 2016
Facultatea de Ştiinţe Economice şi Gestiunea Afacerilor,
Domeniul: Cibernetică şi Statistică
Coordonator ştiinţific: Prof. Univ. Dr. Nicolae Tomai

B. Cărţi şi capitole în cărţi

1. Dana Persa, Claudiu Persa, Adina Ploscar, Tiberiu Socaciu, **Crina Raţiu**, Antoanela Naaji (coord.), " Teste pentru programare in C si baze de date I"
   Editura "Vasile Goldiş" University Press - Arad, 2009, 180 pagini, ISBN 978-973-664-326-2
2. Dana Persa, Claudiu Persa, Adina Ploscar, Tiberiu Socaciu, **Crina Raţiu**, Antoanela Naaji (coord.), " Teste pentru programare in C si baze de date II"
   Editura "Vasile Goldiş" University Press - Arad, 2010, 167 pagini, ISBN 978-973-664-411-5
3. Crina Anina Bejan, Dominic Bucerzan, and Mihaela Daciana Craciun. "Perspectives of Cryptocurrency Price Prediction." Education, Research and Business Technologies: Proceedings of 21st International Conference on Informatics in Economy (IE 2022). Vol. 321. Springer Nature, 2023.

C. Articole/studii în extenso, publicate în reviste din flux ştiinţific internaţional principal

a. Articole ştiinţifice publicate în reviste de specialitate cotate ISI

1. Mouloua, El Mahdi; Ben-Hdech, Adil; Bejan, Crina Anina; Es-Sabry, Mohammed; Najmeddine, Mustapha; Kabbouch, Oussama; Bucerzan, Dominic; Essaid, Mohamed (2026). Design of a secure image encryption scheme using chaotic polycyclic shift. Cluster Computing, 29(13), 771, DOI: 10.1007/s10586-026-06588-7, WOS:001878823200009.

2. Bucerzan, D.; Muntean, M.; Bejan, C.A.; Mouloua, E.M.; Najmeddine, M.; Bran, C.N.(2026). "A3C-TPB Model of Cryptocurrency Education Readiness: Evidence from Romania", International Journal of Computers Communications&Control, 21(3), 7488, 2026 .https://doi.org/10.15837/ijccc.2026.3.7488, WOS:001781243100004

3. Crina Anina Bejan and Dominic Bucerzan and Mihaela Daciana Crăciun (2022), "Bitcoin price evolution versus energy consumption; trend analysis", Applied Economics, pp 1-15, e-ISSN 1466-4283, Routledge, WOS:000824512200001, https://doi.org/10.1080/00036846.2022.2097194

4. D. Bucerzan, **C. Raţiu,** "*Image Processing with Android Steganography*"
Soft Computing Application – Advances in Intelligent Systems and Computing, **SpringerInternational Publishing**, Proceedings of 6th International Workshop on Soft Computing Applications (SOFA 2014),Volume 1, eBook ISBN 978-3-319-18296-4, ISBN 978-3-319-27178-1, DOI 10.1007/978-3-319-27179-8, pag. 27-36, Publicata in 2015
http://www.springer.com/gp/book/9783319182957

5. D. Bucerzan**, C. Raţiu**, "*Contributions to Steganographic Techniques on Mobile Devices*"
Innovative Security Solutions for Information Technology and Communications, **Springer International Publishing,** Volume 9522 of the series Lecture Notes in Computer Science, pag. 242-252, eBook ISBN, 978-3-319-27179-8, ISBN 978-3-319-27178-1, DOI 10.1007/978-3-319-27179, pag.242-253, Publicata in 2015
http://link.springer.com/chapter/10.1007/978-3-319-27179-8_17

6. **C. Raţiu**, D. Bucerzan, M.J. Manolescu, *"SmartSteg: A New Android Based Steganography Application"*
International Journal of Computers Communications & Control, ISSN 1841-9836, E-ISSN 1841-9844, Vol. 8(5):p. 681-688, Publicata in 2013
WOS:000324844700004 , Factor de impact I**F=0.694**
DOI: http://dx.doi.org/10.15837/ijccc.2013.5
http://univagora.ro/jour/index.php/ijccc/article/view/642

7. M. Crăciun, **C. Raţiu,** D. Bucerzan**,** A. Manolescu *"Actuality of Bankruptcy Prediction Models Used in Decision Support System*"
International Journal of Computers Communication & Control, ISSN 1841-9836, E-ISSN 1841-9844, Vol. 8(3), pag. 375-383, Publicata in 2013
WOS:000319952400003, Factor de impact **IF=0,694**
DOI: http://dx.doi.org/10.15837/ijccc.2013.3.464
http://univagora.ro/jour/index.php/ijccc/article/view/464

8. **C. Raţiu,** D. Bucerzan, M. Crăciun, "*Analysis of Bankruptcy Prediction Model in the Present Economic Situation*"
Soft Computing Applications, **Springer Berlin Heidelberg,** Proceedings of the 5th International Workshop Soft Computing Applications, On line ISBN 978-3-642-33941-7, ISBN 978-3-642-33940-0,DOI 10.1007/978-3-642-33941-7_55,pag. 625-635, 2013
WOS:000314077300055, http://link.springer.com/chapter/10.1007/978-3-642-33941-7_55

9. **C.Raţiu,** D. Bucerzan, M. Crăciun, "*Contribution to Watermarking Techniques*"
Soft Computing Applications, **Springer Berlin Heidelberg,** Proceedings of the 5th International Workshop Soft Computing Applications, On line ISBN 978-3-642-33941-7, ISBN 978-3-642-33940-0, DOI 10.1007/978-3-642-33941-7_37, pag. 403-410, 2013
WOS:000314077300037 http://link.springer.com/chapter/10.1007/978-3-642-33941-7_37

10. D. Bucerzan, M. Crăciun, V. Chiş, **C. Raţiu**, "Stream Ciphers Analysis Methods", *International Journal of Computers Communications & Control*, ISSN 1841-9836, E-ISSN 1841-9844, Vol. 5(4):pag. 483-489, 2010, **Factor de impact IF=0,65**
WOS:000314077300055 http://www.dzitac.ro/files/ioan/IJCCC_contents_2006_2011.pdf

11. Bucerzan D., **Bejan C.A.** (2021) "Blockchain. Today Applicability and Implications". In: Balas V., Jain L., Balas M., Shahbazova S. (eds) Soft Computing Applications. SOFA 2018. Advances in Intelligent Systems and Computing, vol 1221. Springer, Cham,
Print ISBN 978-3-030-51991-9, *https://doi.org/10.1007/978-3-030-51992-6_13*

b. Articole ştiinţifice publicate în reviste de specialitate cotate CNCSIS categoria B+ şi cotate în baze de date internaţionale BDI

1. **Crina Anina Bejan**, Dominic Bucerzan, *"Challenges of Securing Digital Information"*, Proceeding of the 17th International Conference on Informatics in Economy (ISSN: 2247 – 1480), Education, Research & Business Technologies, pag. 337-342, 2018

2. Dominic Bucerzan, **Crina Anina Bejan**, *„Current Threats of Digital Information Technologies"*,
Proceedings of The International Symposium Research and Education in Innovation Era Arad, 7th Edition, ISREIE 2018, Mathematics&Computer Science ISSN 2065 2569, pag. 6-11, 2018

3. **Crina Anina Bejan**, Dominic Bucerzan, *„On Image Steganography Metrics for Mobile Platforms"*, Proceedings of the 16th International Conference on INFORMATICS in ECONOMY (IE 2017), May 2017, pag 122-127, Education, Research & Business Technologies, Published by Bucharest University of Economic Studies Press, ISSN 2284-7472

4. **C.Raţiu,** Dominic. Bucerzan *"Steganography and Cryptography on Mobile Platforms "*
Constanta Maritime University Annals, Vol.20, 2013, ISSN 1582-3601
Revista de categoria B+, indexata BDI

5. Craciun Mihaela Daciana, Dominic Bucerzan, **Raţiu Crina**, *"Prediction Analysis of Bankrupty Risk using Bayesian Networks***",**
Constanta Maritime University Annals, Vol.14, 2010, pag. 157-162, ISSN 1582-3601
Revista de categoria B+, indexata BDI

6. Dominic Bucerzan, **Crina Raţiu**, Ioan Dascal, *"Aspects of a Watermark Solution*", Revista *Informatica Economică,* vol. 14, no. 4/2010, pag. 132-138, ISSN 1453-1305
Revista de categoria B+, indexata BDI
http://revistaie.ase.ro/author_details.aspx?aid=5679

7. **Raţiu Crina**, Dominic Bucerzan, Craciun Mihaela Daciana, *"Statistical Model of the People Confidence in E-Business Services*"
Constanta Maritime University Annals, Vol.14. 2010, pag. 237-240, ISSN 1582-3601
Revista de categoria B+, indexata BDI

8. Dominic Bucerzan, **Crina Raţiu**, *"Security Aspects in the e-banking System*"
Constanta Maritime University Annals, 2009, Vol.12, pp. 355-360, ISSN 1582-3601
Revista de categoria B+, indexata BDI

D. Publicaţii în extenso, apărute în lucrări ale principalelor conferinţe internaţionale de specialitate

1. Dominic Bucerzan, **Crina Anina Bejan**, "Wallet Key Management in Blockchain Technology", Proceedings of the IE 2020 International Conference, ISSN 2284-7472, Bucharest University of Economic Studies Press, Bucharest, Romania
2. Dominic Bucerzan, **Crina Anina Bejan**, *"On the Cryptoeconomics Emerging Research Areas"*, Proceedings of the IE 2019 International Conference, ISSN 2284-7472, , Bucharest University of Economic Studies Press, Bucharest, Romania, pag. 273-278

3. **Crina Anina Bejan**, Dominic Bucerzan, *"Challenges of Securing Digital Information"*, Proceedings of the 17th International Conference on INFORMATICS in ECONOMY (IE 2018) Education, Research & Business Technologies, ISSN 2284-7472, Bucharest University of Economic Studies Press, Iași, Romania, pag.337-342

4. Bucerzan D., **Raţiu C.**, *"Reliable Metrics for Image LSB Steganography on Mobile Platforms"*, Proceedings of the 7th International Workshop on Soft Computing Applications SOFA 2016, 24-26 August, Arad, Romania, Advances in Intelligent Systems and Computing (ISSN: 2194-5357), Springer, 2016

5. **C. Raţiu,** D. Bucerzan, *"Secure E-Business Solution for Mobile Platform"* Proceedings of the 15th International Conference on INFORMATICS in ECONOMY (IE 2016) Education, Research & Business Technologies, Bucharest University of Economic Studies Press, Cluj-Napoca, Romania, pag.51-57, 2016, ISSN: 2284-7472, ISSN-L: 2247-1480

6. Bucerzan D., **Raţiu C.**, "*Testing methods for the efficiency of modern steganography solutions for mobile platforms*", 2016 6th International Conference on Computers Communications and Control (ICCCC), IEEE Xplore, 10-14 Mai 2016, Oradea, România, ISBN:978-1-5090-1735-5, DOI: 10.1109/ICCCC.2016.7496734, http://ieeexplore.ieee.org/abstract/document/7496734/

7. **Crina Anina Raţiu (Bejan),** *"Steganography techniques and performance evaluation"*, Proceedings of the International Symposium Research and Education in an Innovation ERA - 6rd Edition, Arad, decembrie 2016, pag. 132-136, ISSN 2065 2569

8. D. Bucerzan**, C. Raţiu** , „*Contributions to Steganographic Techniques on Mobile Devices*" Innovative Security Solutions for Information Technology and Communications , 8th International Conference, SECITC 2015, Bucharest, Romania, June 11-12, 2015. Revised Selected Papers, pag. 242-252, eBook ISBN 978-3-319-27179-8, ISBN 978-3-319-27178-1

9. Dominic Bucerzan, **Crina Raţiu**, *„Secret Communication using Cryptography and Steganography"* Proceedings of the International Symposium Research and Education in an Innovation ERA - 5rd Edition, Arad, Noiembrie 2014, pag, 14-20, ISSN 2065 2569 *http://www.rxiv.org/pdf/1412.0034v1.pdf*

10. D. Bucerzan**, C. Raţiu,** „*Image Processing with Android Steganography"*
presented at „6*th International Workshop on Soft Computing Applications*", SOFA 2014, Organized by **IEEE Romania,** 24-26 iulie, Timisoara, Romania, published by Springer, Advances in Intelligent Systems and Computing, Springer, Advances in Intelligent and Soft Computing, Soft Computing Applications, ISSN: 2194-5357, e-ISSN 2194-5365
http://www.springer.com/gp/book/9783319182957

11. D. Bucerzan, **C. Raţiu**, „ *Binding Android Steganography by Windows Steganography* "
5th International Conference on Computers, Communication & Control (ICCCC 2014), May 6-10, 2014, Oradea- Baile Felix, ISSN 1844-4334, 4(2014)

12. **C. Raţiu,** D. Bucerzan, M. Crăciun, „*Analysis of Bankruptcy Prediction Model in the Present Economic Situation*"
presented at „*5th International Workshop on Soft Computing Applications*", SOFA 2012, Organized by **IEEE Computational Intelligence Society**, August 2012, Szeged, Hungary, published by Springer, Advances in Intelligent and Soft Computing, Soft Computing Applications, ISSN: 2194-5357, e-ISSN 2194-5365
http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=21025

13. **C. Raţiu,** D. Bucerzan, M. Crăciun, „*Contribution to Watermarking Techniques*"
presented at „*5th International Workshop on Soft Computing Applications*", SOFA 2012, Organized by **IEEE Computational Intelligence Society**, August 2012, Szeged, Hungary, published by Springer, Advances in Intelligent and Soft Computing, Soft Computing Applications, ISSN: 2194-5357, e-ISSN 2194-5365
http://www.ieee.org/conferences_events/conferences/conferencedetails/index.html?Conf_ID=21025

14. Mihaela Crăciun, Dominic Bucerzan, **Crina Raţiu**, Violeta Chiş, *„Statistical Methods and Concepts of Probability Used in Bayesian Networks"*
Proceedings of the International Symposium Research and Education in an Innovation ERA - 4rd Edition, Arad, **Noiembrie 2012**, pag. 47-57, ISSN 2065 2569

15. Dominic Bucerzan, **Crina Raţiu**, Mihaela Crăciun, *„Digital Steganography, Completing the Security of Digital Data"*
Proceedings of the International Symposium Research and Education in an Innovation ERA - 4rd Edition, Arad, **Noiembrie 2012,** pag, 58-66, ISSN 2065 2569

16. M. Crăciun, **C. Raţiu,** D. Bucerzan, A. Manolescu, „*On the Applicability of the Anghel and Altman Bankruptcy Prediction Models in the Actual Crisis Conditions*"
International Conference on Computers, Communication & Control (ICCCC 2012), Workshop on Intelligent Decision Support Systems for Crisis Management, May 2012, Oradea, Romania, vol. 3(2012), ISSN 1844-4334

17. **Crina Ratiu,** Dominic Bucerzan, "*Attacks on the Watermark Techniques*"
2nd Symposium on Business Informatics in Central and Eastern Europe 2011, Osterreichische Computer Gesellschaft, , pag. 235-245, ISBN 978-3-85403-280-9

18. Mihaela Crăciun, Dominic Bucerzan, **Crina Raţiu**, „*The Analysis of Continuous Variables in Model of Bankruptcy Risk using Bayesian Networks*",
Proceeding of the Second International Conference "Modelling and Development of Intelligent Systems", September 29-October 2, 2011 Sibiu, Romania, Lucian Blaga University Press, Sibiu, 2011, pag. 36-44, ISSN 2067-3965
http://conferences.ulbsibiu.ro/mdis/2011/papers/pg36.pdf

19. **Crina Raţiu,** Dominic Bucerzan, Mihaela Crăciun, „*About Hash Function and Watermark Algorithms*",
Proceeding of the Second International Conference "Modelling and Development of Intelligent Systems", September 29-October 2, 2011 Sibiu, Romania, Lucian Blaga University Press, Sibiu, 2011, pag. 138-145, ISSN 2067-3965

20. D. Bucerzan, M. Crăciun, V. Chis, **C. Raţiu**, „*Analysis Methods for Stream Cipher in Cryptography* "
International Conference on Computers, Communication & Control (ICCCC 2010), May 2010, Oradea, vol. 2(2010), ISSN 1844-4334

21. Mihaela Crăciun, Dominic Bucerzan, **Crina Raţiu**, *„Comparison between Prediction Models of Bankruptcy Risk"*
Proceedings of the International Symposium Research and Education in an Innovation ERA - 3rd Edition, Arad, Noiembrie 2010, pag, 31-37, ISSN 2065-2569

22. **Crina Raţiu**, Dominic Bucerzan, Mihaela Crăciun, *„Solutions for Ensuring Data Autenticity by Using Digital Watermarking"*
Proceedings of the International Symposium Research and Education in an Innovation ERA - **3**rd Edition, Arad, Noiembrie 2010, pag, 57-65, ISSN 2065-2569

23. **Raţiu C.,** Pop C., *„Serviciile E-Banking în Contextul Noilor Tehnologii Informaţionale",* Studia Universitatis Vasile Goldiş, Seria – Ştiinţe Exacte, Vol. 17, 2007, ISSN: 1584-2355

24. Brandaş C., **Raţiu C.**, *„Rolul Depozitelor De Date în Cadrul Sistemelor Suport de Decizii"*, Studia Universitatis Vasile Goldiş, Seria – Ştiinţe Exacte, Vol. 16, 2006, ISSN: 1584-2355

E. Alte lucrări şi contribuţii ştiinţifice. Citări în cărţi şi reviste ISI / BDI

1. **C. Raţiu,** D. Bucerzan**,** M.J. Manolescu, *"SmartSteg: A New Android Based Steganography Application"*
International Journal of Computers Communications & Control, ISSN 1841-9836, E-ISSN 1841-9844, Vol. 8(5):p. 681-688, Publicat in 2013
WOS:000324844700004 , Factor de impact I**F=0.694**
DOI: http://dx.doi.org/10.15837/ijccc.2013.5
http://univagora.ro/jour/index.php/ijccc/article/view/642

   Ci1. Ali, Abdelmgeid, Al-Hussien Seddik Saad, and Ahmed Hamdy Ismael. "*Data Hiding Technique Based on NFC-Enabled Smartphones.*" Procedia Computer Science 171 (2020): 2400-2409. Elsevier

1. **C. Raţiu,** D. Bucerzan**,** M.J. Manolescu, *"SmartSteg: A New Android Based Steganography Application"*
International Journal of Computers Communications & Control, ISSN 1841-9836, E-ISSN 1841-9844, Vol. 8(5):p. 681-688, Publicat in 2013
WOS:000324844700004 , Factor de impact I**F=0.694**
DOI: http://dx.doi.org/10.15837/ijccc.2013.5
http://univagora.ro/jour/index.php/ijccc/article/view/642

Ci2. Koski, Juha-Pekka. "Pelillisyys ja hyötypelit työkaluina vienankarjalan elvyttämiseen." (2019).

Ci3. Mihailo Jovanovic, Ivan Babic, Milan Cabarkapa, Jelena Misic, Sasa Mijalkovic, Vojkan Nikolic and Dragan Randjelovic, „*SOSerbia: Android-Based Software Platform for Sending Emergency Messages*", Complexity, Volume 2018, Article ID 8283919, 9 pages
Revista ISI cu factor de impact IF=4,621, scor absolut de influență AIS (2017)= 0,448, Q2
https://doi.org/10.1155/2018/8283919

Ci4. Milad Taleby Ahvanooey, Qianmu Li, Jun Hou, Hassan Dana Mazraeh, and Jing Zhang, „*AITSteg: An Innovative Text Steganography Technique for Hidden Transmission of Text Message via Social Media*", IEEE Access, 2018, vol. 6, pp. 65981-65995,
Revista ISI cu factor de impact IF=3.557, AIS(2017)= 1,098, Q1
doi: 10.1109/ACCESS.2018.2866063
URL: http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8440030&i snumbe r=827 4985

Ci5. Youngjin Park, Janghyeok Yoon , "*Application technology opportunity discovery from technology portfolios: Use of patent classification and collaborative filtering*"
Technological Forecasting & Social Change, Volume: 118, Pages: 170-183, Published: 2017
Revista ISI cu factor de impact IF=3,682 AIS (2017)= 0,697, Q2
http://dx.doi.org/10.1016/j.techfore.2017.02.018

Ci6. Srinivasan Avinash, Jie Wu, and Justin Shi, "*Secure android covert channel with robust survivability to service provider restrictions*." International Journal of Security and Networks 12.1 (**2017**), pag. 27-39, Print ISSN: 1747-8405, Online ISSN: 1747-8413,
DOI: http://dx.doi.org/10.1504/IJSN.2017.081061
http://www.inderscienceonline.com/doi/abs/10.1504/IJSN.2017.081061

Ci7. Bicen, Huseyin, and Senay Kocakoyun. "Determination of University Students' Most Preferred Mobile Application for Gamification." World Journal on Educational Technology: Current Issues 9.1 (2017): 18-23.
https://files.eric.ed.gov/fulltext/EJ1141198.pdf

1. **C. Raţiu,** D. Bucerzan**,** M.J. Manolescu, *"SmartSteg: A New Android Based Steganography Application"*
International Journal of Computers Communications & Control, ISSN 1841-9836, E-ISSN 1841-9844, Vol. 8(5):p. 681-688, Publicat in 2013
WOS:000324844700004 , Factor de impact I**F=0.694**
DOI: http://dx.doi.org/10.15837/ijccc.2013.5
http://univagora.ro/jour/index.php/ijccc/article/view/642

Ci8. Apau, Richard, and Clement Adomako. "Design of Image Steganography based on RSA Algorithm and LSB Insertion for Android Smartphones." International Journal of Computer Applications 164.1 (2017): 0975-8887. https://www.researchgate.net/profile/Richard_Apau/publication/316175714_Design_of_Image_Steganography_based_on_RSA_Algorithm_and_LSB_Insertion_for_Android_Smartphones/links/599d7332aca272dff12f9a51/Design-of-Image-Steganography-based-on-RSA-Algorithm-and-LSB-Insertion-for-Android-Smartphones.pdf

Ci9. Adrian, Aldo, and Silvester Dian Handy Permana. "Pengembangan Aplikasi Pengaman Berkas Menggunakan Algoritma Blowfish." SISFO 7 Vol 7 No 1 7 (2017). http://is.its.ac.id/pubs/oajis/index.php/home/detail/1776/Pengembangan-Aplikasi-Pengaman-Berkas-Menggunakan-Algoritma-Blowfish

Ci10. Sharma, Ankit, Tamanna Thakur, and Ravindara Bhatt. "Android App for JUIT OLX." (2017). http://www.ir.juit.ac.in:8080/jspui/bitstream/123456789/17143/1/131326%2C131341.pdf

Ci11. Wazirali, Raniyah, Zenon Chaczko, and Jack Gibbon. "Steganographic Image Sharing App." 2017 25th International Conference on Systems Engineering (ICSEng). IEEE, 2017. https://ieeexplore.ieee.org/abstract/document/8121715

Ci12. Geman, Oana, et al. "Deep learning tools for human microbiome big data." International Workshop Soft Computing Applications. Springer, Cham, 2016. https://link.springer.com/chapter/10.1007/978-3-319-62521-8_21

Ci13. Mantoro, Teddy, Didit Dwi Permadi, and Adamu Abubakar. "Stegano-image as a digital signature to improve security authentication system in mobile computing." 2016 International Conference on Informatics and Computing (ICIC). IEEE, 2016. https://ieeexplore.ieee.org/abstract/document/7905708

Ci14. Bruwer, Frederick Johannes, and Jacobus Daniel Van Wyk. "Secure mobile phone document storage application." U.S. Patent Application No. 14/861,151. 2016 https://patents.google.com/patent/US20160085981A1/en

1. **C. Raţiu,** D. Bucerzan**,** M.J. Manolescu, *"SmartSteg: A New Android Based Steganography Application"*
International Journal of Computers Communications & Control, ISSN 1841-9836, E-ISSN 1841-9844, Vol. 8(5):p. 681-688, Publicat in 2013
WOS:000324844700004 , Factor de impact I**F=0.694**
DOI: http://dx.doi.org/10.15837/ijccc.2013.5
http://univagora.ro/jour/index.php/ijccc/article/view/642

Ci15. Chiuchisan, Iuliana, et al. "Tremor Measurement System for Neurological Disorders Screening." International Workshop Soft Computing Applications. Springer, Cham, 2016. https://link.springer.com/chapter/10.1007/978-3-319-62521-8_28

Ci16. Farcaş, Pavel, Ciprian Pop-Moldovan, and Marius Constantin Popescu. "Specialized Software for Tracking and Management Machinery Used in Textile Industry." International Workshop Soft Computing Applications. Springer, Cham, 2016. https://link.springer.com/chapter/10.1007/978-3-319-62524-9_43

Ci17. Karamchandani, S. H.; Gandhi, K. J.; Gosalia, S. R.; et al, *"PCA Encrypted Short Acoustic Data Inculcated in Digital Color Images "* INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL ,Volume: 10 Issue: 5 Pages: 678-685 Published: OCT 2015, Revista cotata ISI cu factor de impact **IF=0.746** in anul 2015

Ci18. Roopesh Kumar1, Akhilesh Dubey2, 1,2Lecturer, *Android Environment and Information Security* , IJSRD - International Journal for Scientific Research & Development| Vol. 3, Issue 03, **2015** | ISSN (online): 2321-0613 http://www.ijsrd.com/articles/IJSRDV3I30123.pdf

Ci19. Jung, Ki-Hyun; Lee, Joon-Ho; Yoo, Kee-Young;, *Steganography on Android Smart Devices*, Journal of the Institute of Electronics and Information Engineers, Volume 52, Issue 4, **2015**, pp.99-105, Publisher : The Institute of Electronics Engineers of Korea, DOI : 10.5573/ieie.2015.52.4.099, ISSN 2287-5026(Print) / ISSN 2288-159X(Online)
http://www.koreascience.or.kr/article/ArticleFullRecord.jsp?cn=DHJJQ3_2015_v52n4_99
http://ksci.kisti.re.kr/search/article/articleView.ksci?articleBean.atclMgntNo=DHJJQ32015_v52n4_99

Ci20. Mazurczyk Wojciech; Caviglione Luca, *"Steganography in Modern Smartphones and Mitigation Techniques"* IEEE COMMUNICATIONS SURVEYS AND TUTORIALS Volume: 17 Issue: 1 Pages: 334-357 Published: 2015
Revista cotata ISI cu factor de impact **IF=6,806** in anul 2015

1. **C. Raţiu,** D. Bucerzan**,** M.J. Manolescu, *"SmartSteg: A New Android Based Steganography Application"*
   International Journal of Computers Communications & Control, ISSN 1841-9836, E-ISSN 1841-9844, Vol. 8(5):p. 681-688, Publicat in 2013
   WOS:000324844700004 , Factor de impact I**F=0.694**
   DOI: http://dx.doi.org/10.15837/ijccc.2013.5
   http://univagora.ro/jour/index.php/ijccc/article/view/642

   Ci21. Jibi G Thanikkal, Mohammad Danish, Saoud Sarwar , *A New Android Based Steganography Application for Smartphone's*, Journal of Basic and Applied Engineering Research, Print ISSN: 2350-0077; Online ISSN: 2350-0255; Volume 1, Number 8; October, **2014** pp. 32-35, © Krishi Sanskriti Publications, http://www.krishisanskriti.org/jbaer.html
   http://www.krishisanskriti.org/vol_image/03Jul201509071510.pdf

   Ci22. Majcher Andrzej, "*The application of mobile devices in the system for carbon measurement in volatile ashes from power industry boilers*." Problemy Eksploatacji 3 (**2013**), pag.135-145, ISSN:1232-9312, Publisher: Wydawnictwo Naukowe Instytutu Technologii Eksploatacji - Państwowego Instytutu Badawczego,
   https://www.infona.pl/resource/bwmeta1.element.baztech-fdc7bde0-7bff-4347-997a-ce8e2b0c2367?locale=en

2. D. Bucerzan**, C. Raţiu,** "*Image Processing with Android Steganography*"
   Soft Computing Application – Advances in Intelligent Systems and Computing, **SpringerInternational Publishing**, Proceedings of 6th International Workshop on Soft Computing Applications (SOFA 2014),Volume 1, eBook ISBN 978-3-319-18296-4, ISBN 978-3-319-27178-1, DOI 10.1007/978-3-319-27179-8, pag. 27-36, Publicata in 2015
   http://www.springer.com/gp/book/9783319182957

   Ci1. Hashim, M. M., Rhaif, S. H., Abdulrazzaq, A. A., Ali, A. H., & Taha, M. S. (2020, July). *Based on IoT Healthcare Application for Medical Data Authentication: Towards A New Secure Framework Using Steganography. In IOP* Conference Series: Materials Science and Engineering (Vol. 881, No. 1, p. 012120). IOP Publishing.

   Ci2. Ali, Abdelmgeid, Al-Hussien Seddik Saad, and Ahmed Hamdy Ismael. "*Data Hiding Technique Based on NFC-Enabled Smartphones*." Procedia Computer Science 171 (2020): 2400-2409.

   Ci3. Hashim, M. M., Taha, M. S., Aman, A. H. M., Hashim, A. H. A., Rahim, M. S. M., & Islam, S. (2019, October). *Securing Medical Data Transmission Systems Based on Integrating Algorithm of Encryption and Steganography*. In 2019 7th International Conference on Mechatronics Engineering (ICOM) (pp. 1-6). IEEE.

   Ci4. Geman, Oana, et al. "Deep learning tools for human microbiome big data." International Workshop Soft Computing Applications. Springer, Cham, 2016.
   https://link.springer.com/chapter/10.1007/978-3-319-62521-8_21

1. **C. Raţiu,** D. Bucerzan**,** M.J. Manolescu, *"SmartSteg: A New Android Based Steganography Application"*
International Journal of Computers Communications & Control, ISSN 1841-9836, E-ISSN 1841-9844, Vol. 8(5):p. 681-688, Publicat in 2013
WOS:000324844700004 , Factor de impact I**F=0.694**
DOI: http://dx.doi.org/10.15837/ijccc.2013.5
http://univagora.ro/jour/index.php/ijccc/article/view/642

Ci5. Suraj Anil Dhanawe, Sarthak Vikrant Doshi , *Hiding file on Android Mobile and Sending APK file through whats app using Steganography and Compression techniques*, International conference on Signal Processing, Communication, Power and Embedded System (SCOPES)-**2016**, http://www.scopes.co.in/papers/OR0043.pdf

Ci6. Chiuchisan, Iuliana, et al. "Tremor Measurement System for Neurological Disorders Screening." International Workshop Soft Computing Applications. Springer, Cham, 2016. https://link.springer.com/chapter/10.1007/978-3-319-62521-8_28

Ci7. KHALAF, MOHAMMED ABDULLAH. "DATA HIDING TECHNIQUES IN STEGANOGRAPHY USING FIBONACCI SEQUENCE AND KNIGHT TOUR ALGORITHM." (2016). Diss http://eprints.utm.my/id/eprint/60943/1/MohammedAbdullahKhalafMFKE 2016.pdf

Ci8. FADHIL, AMMAR MOHAMMEDALI. BIT INVERTING MAP METHOD FOR IMPROVED STEGANOGRAPHY SCHEME. Diss. Universiti Teknologi Malaysia, 2016. http://eprints.utm.my/id/eprint/78479/1/AmmarMohammedaliFadhilPFC2016.pdf

3. M. Crăciun, **C. Raţiu,** D. Bucerzan**,** A. Manolescu, *"Actuality of Bankruptcy Prediction Models Used in Decision Support System* "
International Journal of Computers Communication & Control, ISSN 1841-9836, E-ISSN 1841-9844, Vol. 8(3), pag. 375-383, Publicata in 2013
WOS:000319952400003, Factor de impact **IF=0,694**
DOI: http://dx.doi.org/10.15837/ijccc.2013.3.464
http://univagora.ro/jour/index.php/ijccc/article/view/464

Ci1. Rowland, Zuzana, Jaromír Vrbka, and Marek Vochozka. "*Machine learning forecasting of USA and PRC balance of trade in context of mutual sanctions*." SHS Web of Conferences. Vol. 73. EDP Sciences, 2020.

Ci2. Rousek, P. (2020). *Evaluation of the EU Policy Concerning the Basic Economic Functions of a Modern Government in a Mixed Economy*. In SHS Web of Conferences (Vol. 73, p. 01024). EDP Sciences.

Ci3. Machová, Veronika, and Jan Mareček. "*Machine learning forecasting of CR import from PRC in context of mutual PRC and USA sanctions*." SHS Web of Conferences. Vol. 73. EDP Sciences, 2020.

3. M. Crăciun, **C. Raţiu,** D. Bucerzan**,** A. Manolescu, *"Actuality of Bankruptcy Prediction Models Used in Decision Support System* "
International Journal of Computers Communication & Control, ISSN 1841-9836, E-ISSN 1841-9844, Vol. 8(3), pag. 375-383, Publicata in 2013
WOS:000319952400003, Factor de impact **IF=0,694**
DOI: http://dx.doi.org/10.15837/ijccc.2013.3.464
http://univagora.ro/jour/index.php/ijccc/article/view/464

Ci4. Singh, A., & Jain, A. (2019). *An Empirical Study of AML Approach for Credit Card Fraud Detection-Financial Transactions*. International Journal of Computers, Communications & Control, 14(6).

Ci5. Kou, G., Chao, X., Peng, Y., Alsaadi, F. E., & Herrera-Viedma, E. (2019). Machine learning methods for systemic risk analysis in financial sectors. Technological and Economic Development of Economy, 1-27. https://journals.vgtu.lt/index.php/TEDE/article/view/8740/8400
ISI IF= 4.344 (2018) AIS= 0.442 (2017)

Ci6. Agarwal, Arpita, and Ity Patni. "APPLICABILITY OF ALTMAN Z-SCORE IN BANKRUPTCY PREDICTION OF BSE PSUs." Journal of Commerce & Accounting Research 8.2 (2019). https://web.b.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&a u tht ype=cra wler&jrnl=22772146&AN= 6AN%3d 137302353

Ci7. Ibraimova, Malika. Predicting financial distress through machine learning. MS thesis. Universitat Politècnica de Catalunya, 2019. https://upcommons.upc.edu/bitstream/handle/2117/131355/139967.pdf? sequence=1&isAllowed=y

Ci8. Prusak, Błażej. "Review of research into enterprise bankruptcy prediction in selected central and eastern European countries." International Journal of Financial Studies 6.3 (2018): 60. https://www.mdpi.com/2227-7072/6/3/60

Ci9. OMOLEKAN, Olushola Joshua. CORPORATE FINANCIAL DISTRESS PREDICTION AND TURNAROUND STRATEGIES IN NIGERIA'S OIL AND GAS SECTOR. Diss. University of Ilorin, 2017. http://uilspace.unilorin.edu.ng:8081/jspui/bitstream/123456789/1678/1/OMOLE KA N%2 C%20OLUSHOLA%20JOSHUA%20THESIS.pdf

Ci10. Kovarnik J. ; Hamplova E., "*THE APPLICATION OF THE BANKRUPTCY MODELS IN THE CONDITIONS OF SELECTED COMPANIES*"
8TH INTERNATIONAL DAYS OF STATISTICS AND ECONOMICS
Pages: 755-765 Published: 2014 Conference: 8th International Days of Statistics and Economics Location: Prague, CZECH REPUBLIC Date: SEP 11-13, 2014, Accession Number: WOS: 000350226700074, ISBN:978-80-87990-02-5

3. M. Crăciun, **C. Raţiu,** D. Bucerzan**,** A. Manolescu, *"Actuality of Bankruptcy Prediction Models Used in Decision Support System* "
International Journal of Computers Communication & Control, ISSN 1841-9836, E-ISSN 1841-9844, Vol. 8(3), pag. 375-383, Publicata in 2013
WOS:000319952400003, Factor de impact **IF=0,694**
DOI: http://dx.doi.org/10.15837/ijccc.2013.3.464
http://univagora.ro/jour/index.php/ijccc/article/view/464

Ci11. Rajasekar T., Sania Ashraf and Malabika Deo., "*An Empirical Enquiry on the Financial Distress of Navratna Companies in India.*" Journal of Accounting and Finance 14.3 (2014), pag. 100-110., Volume 14(3) Special Issue: Perspectives in International Business, ISSN 2158-3625, North American Business Press, Inc., Atlanta - Seattle – South Florida – Toronto
http://www.na-businesspress.com/subscriptions/jaf/jaf_14_3__master.pdf
http://www.na-businesspress.com/JAF/RajasekarT_Web14_3_.pdf

4. D. Bucerzan, M. Crăciun, V. Chiş, **C. Raţiu**, "*Stream Ciphers Analysis Methods*", *International Journal of Computers Communications & Control*, ISSN 1841-9836, E-ISSN 1841-9844, Vol. 5(4):pag. 483-489, 2010, Factor de impact IF=0,65

Ci1. Sadkhan, S. B., & Mohammad, D. (2019, June). *Hybrid Strategies for Choosing Suitable Cryptosystem Based on Game and Information Theories*. In 2019 International Engineering Conference (IEC) (pp. 95-100). IEEE.
Ci2. Busireddygari, P. (2019). *New Classes of Binary Random Sequences for Cryptography* (Doctoral dissertation).
Ci3. Fan, Chunlei, and Qun Ding. "*A novel image encryption scheme based on self-synchronous chaotic stream cipher and wavelet transform*." Entropy 20.6 (2018): 445. ISI IF(2018)= 2.419 , AIS(2017)= 0.564, Q2=galben
https://www.mdpi.com/1099-4300/20/6/445/htm
Ci4. Masoodi, Faheem Syeed, and Mohammad Ubaidullah Bokhari. "Symmetric Algorithms I." Emerging Security Algorithms and Techniques (2019): 79.
Ci5. Busireddygari, Prashanth. New Classes of Binary Random Sequences for Cryptography. Diss. 2019.https://shareok.org/handle/11244/321528
Ci6. Taha, N. A. "Enhancement of Stream Cipher by Using Variant Register in Length." Ibn AL-Haitham Journal For Pure and Applied Science 25.1 (2017).
http://jih.uobaghdad.edu.iq/index.php/j/article/view/710
Ci7. Dr. Qasim Mohammed Hussein Assistant Prof.,
Cryptosystem Key Generator With Mixed Operations and Dynamic Shift Registers, Novateur Publications International Journal of Innovations in Engineering Research and Technology [IJIERT], Volume 2, Issue 8, Aug-**2015**, ISSN: 2394-3696 http://www.ijiert.org/indexing.php
http://oaji.net/articles/2015/1511-1441210963.pdf

5. **C.Raţiu,** D. Bucerzan, *"Steganography and Cryptography on Mobile Platforms"* Constanta Maritime University Annals, Vol.20, 2013, ISSN: 1582-3601
Revista de categoria B+, indexata BDI

   Ci1. Srinivasan Avinash, Jie Wu, and Justin Shi, "*Secure android covert channel with robust survivability to service provider restrictions*" International Journal of Security and Networks 12.1 (**2017**), pag. 27-39, Print ISSN: 1747-8405, Online ISSN: 1747-8413, DOI: http://dx.doi.org/10.1504/IJSN.2017.081061
   http://www.inderscienceonline.com/doi/abs/10.1504/IJSN.2017.081061

   Ci2. Storms, Justin E. An evaluation of the history, demand, and current methods for digital steganography. Diss. Utica College, 2016.
   https://search.proquest.com/openview/8a1fc9d235c06c435f16df2a1bf25274/1?pq-origsite=gscholar&cbl=18750&diss=y

   Ci3. Nishchal, Nitin. Enhanced Lightweight Encryption Algorithm for Smartphone. Diss. 2016. http://14.139.251.106:8080/jspui/bitstream/repository/15232/1/Nitin_ Nishc hal _ 2K13_ SWT _10_MTech_Project_Report_Modified.pdf

   Ci4. Zegers W., Chang S. Y., Park Y., & Gao J. (**2015**, March), *A Lightweight Encryption and Secure Protocol for Smartphone Cloud*, In Service-Oriented System Engineering (SOSE), 2015 IEEE Symposium on (pp. 259-266). IEEE, Electronic ISBN: 978-1-4799-8356-8, Print on Demand(PoD) ISBN: 978-1-4799-8357-5, DOI: 10.1109/SOSE.2015.47**, IEEE Computer Society**
   http://ieeexplore.ieee.org/document/7133539/

6. Bucerzan D., **Raţiu C.**, *"Reliable Metrics for Image LSB Steganography on Mobile Platforms"*, Proceedings of the 7th International Workshop on Soft Computing Applications SOFA 2016, 24-26 August, Arad, Romania, Advances in Intelligent Systems and Computing (ISSN: 2194-5357), Springer, 2016

   Ci1. Gutub, Adnan, and Faiza Al-Shaarani. "*Efficient Implementation of Multi-image Secret Hiding Based on LSB and DWT Steganography Comparisons*." Arabian Journal for Science and Engineering (2020): 1-14.

   Ci2. Janakiraman, S., Thenmozhi, K., Rayappan, J. B. B., & Amirtharajan, R. (2019). Indicator-based lightweight steganography on 32-bit RISC architectures for IoT security. Multimedia Tools and Applications, 1-29.
   https://link.springer.com/article/10.1007/s11042-019-07960-z
   ISI IF(2018)=2.101, AIS(2017)= 0.255, Q3=gri

   IF(2018)= 2.101
   AIS(2017)= 0.255
   Q3

   Ci3. Janakiraman, Siva, Sundararaman Rajagopalan, and Rengarajan Amirtharajan. "Reliable Medical Image Communication in Healthcare IoT: Watermark for Authentication." Medical Data Security for Bioengineers. IGI Global, 2019. 1-26.
   https://www.igi-global.com/chapter/reliable-medical-image-communication-in-healthcare-iot/225279

7. D. Bucerzan**, C. Raţiu** , „*Contributions to Steganographic Techniques on Mobile Devices*" Innovative Security Solutions for Information Technology and Communications , 8th International Conference, SECITC 2015, Bucharest, Romania, June 11-12, 2015. Revised Selected Papers, pag. 242-252, eBook ISBN 978-3-319-27179-8, ISBN 978-3-319-27178-1

   Ci1. Geman, Oana, et al. "Deep learning tools for human microbiome big data." International Workshop Soft Computing Applications. Springer, Cham, 2016. https://link.springer.com/chapter/10.1007/978-3-319-62521-8_21

   Ci2. Chiuchisan, Iuliana, et al. "Tremor Measurement System for Neurological Disorders Screening." International Workshop Soft Computing Applications. Springer, Cham, 2016. https://link.springer.com/chapter/10.1007/978-3-319-62521-8_28

8. **Raţiu Crina**, Dominic Bucerzan, Craciun Mihaela Daciana, "*Statistical Model of the People Confidence in E-Business Services*" Constanta Maritime University Annals, Vol.14. 2010, pag. 237-240, ISSN 1582-3601 Revista de categoria B+, indexata BDI

   Ci1. Bilal Ahmad Sheikh, IIDr. P.Rajmohan, *Internet Banking, Security Models and Weakness*, International Journal of Research in Management & Business Studies (IJRMBS **2015**), Vol. 2 Issue 4 Oct. - Dec. 2015, ISSN : 2348-6503 (Online), ISSN : 2348-893X (Print) http://ijrmbs.com/vol2issue4/bilal.pdf

   Ci2. AHMAD KABIR USMAN, MSc, MAHMOOD HUSSAIN SHAH, PhD "Critical Success Factors for Preventing e-Banking Fraud", Journal of Internet Banking and Commerce, August 2013, vol. 18, no.2, ISSN: 1204-5357

9. Bucerzan D., **Raţiu C.**, "*Testing methods for the efficiency of modern steganography solutions for mobile platforms*", 2016 6th International Conference on Computers Communications and Control (ICCCC), IEEE Xplore, 10-14 Mai 2016, Oradea, România, ISBN: 978-1-5090-1735-5, DOI: 10.1109/ICCCC.2016.7496734, http://ieeexplore.ieee.org/abstract/document/7496734/

   Ci1. Inas Jawad Kadhim, Prashan Premaratne, Peter James Vial, Brendan Halloran, Comprehensive survey of image steganography: Techniques, Evaluations, and trends in future research, Neurocomputing, Volume 335, 2019, Pages 299-326, ISSN 0925-2312, https://doi.org/10.1016/j.neucom.2018.06.075.

   Ci2. Varalakshmi R. Arachis hypogaea Farm Fertilization Using Huddle Hierarchy with Robustness Against Nutrient Deficiency. Int J Chem Sci. 2017;15(2):130, ISSN: 0972-768 x https://pdfs.semanticscholar.org/1655/dc58d3d87265a3dc870b3b5db4abbcda42f4.pdf Indexare http://www.icommercecentral.com/indexing-internet-banking-and-commerce.php indexată BDI

10. **Bejan, Crina Anina**, Dominic Bucerzan, and Mihaela Daciana Crăciun. *"Bitcoin price evolution versus energy consumption; trend analysis."* Applied Economics 55.13 (2023): 1497-1511. https://www.tandfonline.com/doi/abs/10.1080/00036846.2022.2097194 doi.org/10.1080/00036846.2022.2097194

Ci1. Shang, D., Yan, Z., Zhang, L., & Cui, Z. (2023). Digital financial asset price fluctuation forecasting in digital economy era using blockchain information: A reconstructed dynamic-bound Levenberg–Marquardt neural-network approach. Expert Systems with Applications, 228, 120329.

Ci2. Bossman, A., Gubareva, M., & Teplova, T. (2023). Hedge and safe-haven attributes of faith-based stocks vis-à-vis cryptocurrency environmental attention: a multi-scale quantile regression analysis. Applied Economics, 1-24.

Ci3. Ünal, E., & Köse, N. (2023). The impact of the oil price on mineable and non-mineable cryptocurrencies. Energy Sources, Part B: Economics, Planning, and Policy, 18(1). https://doi.org/10.1080/15567249.2023.2266692.

Ci4. Ghosh, B., Gubareva, M., Zulfiqar, N., & Bossman, A. (2023). Is there a nexus between NFT, DeFi and carbon allowances during extreme events?. China Finance Review International, (ahead-of-print).

Ci5. Trocan, Miruna Maura, and Alexandru Nicolăiță. "CryptoCircle eXchange–An Advanced Cryptocurrency Exchanges Solution Build on Top of Ethereum Blockchain." International Workshop Soft Computing Applications. Cham: Springer International Publishing, 2023.

Ci6. Sapra, Nishant, Imlak Shaikh, and Ashutosh Dash. "Impact of proof of work (PoW)-Based blockchain applications on the environment: a systematic review and research agenda." Journal of Risk and Financial Management 16.4 (2023): 218.

Ci7. Dias, Rui, and Ana Filipa Silva. "Revolutionizing Green Portfolio Rebalancing: Sustainable Wealth through Innovations in Green Energy." (2023). Punctaj:1 Gumzej, Nina, and Olga Sovova. "Recent Debates in Cyberspace and Artificial Intelligence Law." Books (2023).

Arad, 21.09.2026 Conf. univ. dr. *Crina Anina Bejan*