

LISTA LUCRĂRILOR ȘTIINȚIFICE

(i) Lista celor mai relevante lucrări științifice pentru realizările profesionale proprii și pentru domeniul postului scos la concurs:

1. S.A. Ștefăniță, A.A. Cordoș, T. Ivașcu, C.V.I. Feier, C. Muntean, C.V. Stupinean, T. Călinici, M. Aluaș, S.D. Bolboacă, *Advancing Precision Oncology with Digital and Virtual Twins: A Scoping Review*. *Cancers*, 2024, 16(22):3817. <https://doi.org/10.3390/cancers16223817>
2. R.R. Ileașan, S.-A. Ștefăniță, R. Fleșar, M. Beyer, E. Ginghină, A.S. Peștean, M.C. Hirsch, L. Perju-Dumbravă, P. Faragó, *In Silico Decoding of Parkinson's: Speech & Writing Analysis*. *Journal of Clinical Medicine*, 2024, 13(18):5573. <https://doi.org/10.3390/jcm13185573>
3. P. Faragó, S.-A. Ștefăniță, C.-G. Cordoș, L.-I. Mihăilă, S. Hintea, A.-S. Peștean, M. Beyer, L. Perju-Dumbravă, R.R. Ileașan, *CNN-Based Identification of Parkinson's Disease from Continuous Speech in Noisy Environments*. *Bioengineering*, 2023, 10(5):531. <https://doi.org/10.3390/bioengineering10050531>
4. M. Gherghinescu, T. Ivașcu, S. Ștefăniță, *Mononucleosis Oral Disease Detection with the Help of GANNs*. *Recent Challenges in Intelligent Information and Database Systems. ACIIDS 2025. Communications in Computer and Information Science*, vol. 2494, pp. 190-204. Springer, Singapore. https://doi.org/10.1007/978-981-96-5884-8_14
5. Debora Gil, Antonio Esteban Lansaque, Sebastian Stefaniga, Mihail Gaiianu, Carles Sanchez, *Data Augmentation from Sketch*, International Workshop CLIP 2019, held in conjunction with MICCAI 2019, Shenzhen, China, October 17, 2019 (Vol. 11840, pp. 155–162), https://doi.org/10.1007/978-3-030-32689-0_16.
6. Ș. Secrieru, S.A. Ștefăniță, *Bridging Content Management and Micro-frontends: A WordPress-Centric Approach to Modern Web Architecture*. *Advanced Information Networking and Applications. AINA 2025. Lecture Notes on Data Engineering and Communications Technologies*, vol. 246, pp. 61-72. Springer, Cham. https://doi.org/10.1007/978-3-031-87766-7_6
7. Ș. Secrieru, S.A. Ștefăniță, *Optimizing WordPress Architecture: A Next-Generation Approach with Micro-Frontends*. *Procedia Computer Science, General Track - G2: Knowledge Based and Expert Systems*, 2025, ISSN 1877-0509. <https://doi.org/10.1016/j.procs.2025.09.326>
8. Ș. Secrieru, S.A. Ștefăniță, *Assessing the Performance Overhead of Firewall-based Intrusion Detection Systems on Home Computers*. *Proceedings of the International Conference on Computational Collective Intelligence (ICCCI)*, 2025. https://doi.org/10.1007/978-3-032-10209-6_32



9. A. Farcaș, A. Lobonț, D. Babuc, T. Ivașcu, **S.-A. Ștefăniță**, *EI-ViT-Net: a Vision Transformer Approach for Diabetic Retinopathy's Decision Support Pipeline*. 24th International Conference on Bioinformatics and Bioengineering (BIBE), Kragujevac, Serbia, 2024, pp. 1-6. <https://doi.org/10.1109/BIBE63649.2024.10820483>
10. C. Muntean, V. Gaborean, R.C. Vonica, **S.A. Ștefăniță**, A.M. Faur, C.V.I. Feier, *Machine Learning Models for Predicting Post-Hepatectomy Liver Failure: A Systematic Review*. AI, Vol. 7(5), 166, 2026. <https://doi.org/10.3390/ai7050166>

(ii) Titlul tezei de doctorat:

- Contributions to the processing and analysis of biomedical images / Contribuții în procesare și analiza imaginilor biomedicale. Coordonator științific: prof. univ. dr. Dana Petcu, prof. univ. dr. Debora Gil Resina. Adresă URL: https://rei.gov.ro/teza-doctorat-document/8381596274bbdc39989-Teza_Stefaniga.pdf.

(iii) Lista brevetelor de invenție și a altor titluri de proprietate industrială:

- Nu este cazul.

(iv) Lista cărților de autor și a volumelor editate și publicate:

- Nu este cazul.

(v) Lista capitolelor de cărți:

1. Ștefăniță, S., Cernăianu, I., Ivașcu, T. (2024). Deep Learning-Based Multiple Skin Lesion Classification. In: Costin, HN., Magjarević, R., Petroiu, G.G. (eds) *Advances in Digital Health and Medical Bioengineering. EHB 2023. IFMBE Proceedings*, vol 109. Springer, Cham. https://doi.org/10.1007/978-3-031-62502-2_89
2. Zîmpău-Valah, B., Ștefăniță, S., Ivașcu, T., Dănciulescu, R. (2024). Machine Learning-Based X-ray Images Classification. In: Costin, HN., Magjarević, R., Petroiu, G.G. (eds) *Advances in Digital Health and Medical Bioengineering. EHB 2023. IFMBE Proceedings*, vol 111. Springer, Cham. https://doi.org/10.1007/978-3-031-62523-7_42
3. Mugur D. Ciumăgeanu, Diana-Luisa Avram, Mihaela Mitescu-Manea, Ioana Alexandra Negru, Leyla Safta-Zecheria, Francisca Hortensia Virag, **Sebastian Ștefăniță** (2021) *Concept mapping and emic participatory community-based research with youth in the times of the Covid-19 pandemic*, in MIHAELA SUDITU, CRISTINA GEORGIANA SAFTA (coord.), *CHALLENGES AND CONSTRAINTS IN THE KNOWLEDGE SOCIETY*, Conference Proceedings Teachers for Knowledge Society, 24-25 september, 2021 Ploiești, România, Institutul European, pp. 11 -16. <http://conference2021.masterprof.ro/index.php/en/conference-volume>



4. Mihaela Miteșcu-Manea, Diana-Luisa Avram, Mugur D. Ciumăgeanu, Ioana Alexandra Negru, Leyla Safta-Zecheria, **Sebastian Ștefăniță**, Francisca Hortensia Virag (2021) *Ethical implications of youth participation in educational action research in the context of the COVID-19 pandemic*, in MIHAELA SUDITU, CRISTINA GEORGIANA SAFTA (coord.), CHALLENGES AND CONSTRAINTS IN THE KNOWLEDGE SOCIETY, Conference Proceedings Teachers for Knowledge Society, 24-25 september, 2021 Ploiești, România, Institutul European, pp. 237 -242. <http://conference2021.masterprof.ro/index.php/en/conference-volume>
5. Leyla Safta-Zecheria, Diana-Luisa Avram, Mugur D. Ciumăgeanu, Mihaela Miteșcu-Manea, Ioana Alexandra Negru, **Sebastian Ștefăniță**, Francisca Hortensia Virag (2021) *Researching equity and wellbeing in schools in the time of COVID-19 through youth-led participatory action research. Some methodological observations on useful tools for the emotional development of school-age children*, in THE KNOWLEDGE SOCIETY, Conference Proceedings Teachers for Knowledge Society, 24-25 september, 2021 Ploiești, România, Institutul European. pp. 41 – 47, <http://conference2021.masterprof.ro/index.php/en/conference-volume>
6. **Sebastian-Aurelian Ștefăniță**, *Transnational HPC Infrastructure in the Danube Region*, GO WITH THE FLOW: High Performance Computing and Innovations in the Danube Region, p. 73-84, Vega Press Ltd., ISBN: 978-1-909736-11-5, http://www.interreg-danube.eu/uploads/media/approved_project_public/0001/33/e311b83b587d91d3cee39b5d12a8aaeaccc9171c.pdf
7. **Sebastian-Aurelian Ștefăniță**, Viorel Negru, Marius Mitroi, *HPC National Case Study in the Danube Region: Moldova*, GO WITH THE FLOW: High Performance Computing and Innovations in the Danube Region, p. 168-178, Vega Press Ltd., ISBN: 978-1-909736-11-5, http://www.interreg-danube.eu/uploads/media/approved_project_public/0001/33/e311b83b587d91d3cee39b5d12a8aaeaccc9171c.pdf
8. Elena Simion, Anamaria Farcasanu-Navar, **Sebastian-Aurelian Ștefăniță**, *HPC National Case Study in the Danube Region: Romania*, GO WITH THE FLOW: High Performance Computing and Innovations in the Danube Region, p. 168-178, Vega Press Ltd., ISBN: 978-1-909736-11-5, http://www.interreg-danube.eu/uploads/media/approved_project_public/0001/33/e311b83b587d91d3cee39b5d12a8aaeaccc9171c.pdf

(vi) **Lista articolelor / studiilor în extenso, publicate în reviste din fluxul științific internațional principal:**

1. R.D. Moleriu, T. Piroș, L. Moleriu, C. Muntean, R. Lupșoru, A.M. Dicu, **S.A. Ștefăniță**, R.C. Marin, *Chrononutrition Behaviors and BMI Change during the*



- Transition to University Life in Young Adults: A Prospective Study*. *Nutrients*, 2026, 18(12):1975. <https://doi.org/10.3390/nu18121975>
2. C. Muntean, V. Gaborean, R.C. Vonica, **S.A. Ștefăniță**, A.M. Faur, C.V.I. Feier, *Machine Learning Models for Predicting Post-Hepatectomy Liver Failure: A Systematic Review*. *AI*, Vol. 7(5), 166, 2026. <https://doi.org/10.3390/ai7050166>
 3. D. Danciulescu, D. Piciu, C. Dinu, **S. Ștefăniță**, F. Boboc, *A glimpse of some common concepts in algebras of logic and uncertain environments*. *Carpathian Journal of Mathematics*, Volume 41 (2025), No. 4, Pages 1061-1077. <https://doi.org/10.37193/CJM.2025.04.14>
 4. A. Cordoș, **S.A. Ștefăniță**, C. Muntean, *Leveraging ChatGPT for Digital Healthcare Speech Writing*. *Applied Medical Informatics*, Vol. 46, no. 1, p. 5-15, 2024. <https://ami.info.umfcluj.ro/index.php/AMI/article/view/997>
 5. **S.A. Ștefăniță**, A.A. Cordoș, T. Ivașcu, C.V.I. Feier, C. Muntean, C.V. Stupinean, T. Călinici, M. Aluaș, S.D. Bolboacă, *Advancing Precision Oncology with Digital and Virtual Twins: A Scoping Review*. *Cancers*, 2024, 16(22):3817. <https://doi.org/10.3390/cancers16223817>
 6. R.R. Ileașan, **S.-A. Ștefăniță**, R. Fleșar, M. Beyer, E. Ginghină, A.S. Peștean, M.C. Hirsch, L. Perju-Dumbravă, P. Faragó, *In Silico Decoding of Parkinson's: Speech & Writing Analysis*. *Journal of Clinical Medicine*, 2024, 13(18):5573. <https://doi.org/10.3390/jcm13185573>
 7. P. Faragó, **S.-A. Ștefăniță**, C.-G. Cordoș, L.-I. Mihăilă, S. Hintea, A.-S. Peștean, M. Beyer, L. Perju-Dumbravă, R.R. Ileașan, *CNN-Based Identification of Parkinson's Disease from Continuous Speech in Noisy Environments*. *Bioengineering*, 2023, 10(5):531. <https://doi.org/10.3390/bioengineering10050531>
 8. L.-R. Damian, R. Dumitrescu, V. T. Alexa, D. Focht, C. Schwartz, O. Balean, D. Jumanca, D. Obistoiu, D. Lalescu, **S.-A. Ștefăniță**, A. Berbecea, A. D. Fratila, A. D. Scurtu, A. Galuscan, *Impact of Dentistry Materials on Chemical Remineralisation/Infiltration versus Salivary Remineralisation of Enamel-In Vitro Study*. *Journal of Materials*, 2022, 15(20), 7258-7258, <https://www.mdpi.com/1996-1944/15/20/7258>
 9. L. R. Damian, R. Dumitrescu, D. Jumanca, R. S. Rosianu, A. Matichescu, O. Balean, A. Podariu, **S. A. Ștefăniță**, A. Galuscan, *Clinical Study Regarding the Property of Composite Resin, Sealants, using VISTACAM iX*, *Journal of Plastic Materials*, Vol. 56, no. 1, p. 138-143, March 2019, ISSN 0025 – 5289, <http://www.revmaterialeplastice.ro/pdf/28%20DAMIAN%201%2018.pdf>
 10. C. Dumitru, N. C. Mlandin, M. Craina, I. Petre, L. C. Moleriu, R. Bardan, D. C. Bonte, E. Ungureanu, **S. A. Ștefăniță**, R. Susan, E. Pop, N. Suciu, *Can be Considered the*



CA-125 and Neutrophil-to-lymphocyte Ratio Values as a Diagnostic Value in Ovarian Endometriosis?, Journal of Chemistry, Vol. 69, no. 12, p. 3561-3565, December, 2018, ISSN 0034-7752, http://www.revistadechimie.ro/article_eng.asp?ID=6792

11. Leyla Safta-Zecheria, **Sebastian-Aurelian Ștefăniță**, Ioana-Alexandra Negru, Francisca-Hortensia Virag, *Challenges experienced by teachers regarding access to digital instruments, resources, and competences in adapting the educational process to physical distancing measures at the onset of the COVID-19 pandemic in Romania*, Journal of Educational Sciences, vol. 21, no. 2, p. 69-86, December 2020, ISSN 2457 – 8673, DOI 10.35923/JES.2020.2.05
12. Leyla Safta-Zecheria, **Sebastian-Aurelian Ștefăniță**, Ioana-Alexandra Negru, Francisca-Hortensia Virag, Anca Mărgineanu, *Collaborative learning in an action research project responding to challenges of online education during the covid-19 pandemic*, Journal of pedagogy, no. 1, 2021, LXIX (1):7-29. DOI: 10.26755/RevPed/2021.1/7

(vii) Lista publicațiilor științifice în extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate:

1. M. Gherghinescu, T. Ivașcu, **S. Ștefăniță**, *Mononucleosis Oral Disease Detection with the Help of GANNs*. Recent Challenges in Intelligent Information and Database Systems. ACIIDS 2025. Communications in Computer and Information Science, vol. 2494, pp. 190-204. Springer, Singapore. https://doi.org/10.1007/978-981-96-5884-8_14
2. Ș. Secieru, **S.A. Ștefăniță**, *Bridging Content Management and Micro-frontends: A WordPress-Centric Approach to Modern Web Architecture*. Advanced Information Networking and Applications. AINA 2025. Lecture Notes on Data Engineering and Communications Technologies, vol. 246, pp. 61-72. Springer, Cham. https://doi.org/10.1007/978-3-031-87766-7_6
3. Ș. Secieru, **S.A. Ștefăniță**, *Optimizing WordPress Architecture: A Next-Generation Approach with Micro-Frontends*. Procedia Computer Science, General Track - G2: Knowledge Based and Expert Systems, 2025, ISSN 1877-0509. <https://doi.org/10.1016/j.procs.2025.09.326>
4. Ș. Secieru, **S.A. Ștefăniță**, *Assessing the Performance Overhead of Firewall-based Intrusion Detection Systems on Home Computers*. Proceedings of the International Conference on Computational Collective Intelligence (ICCCI), 2025. https://doi.org/10.1007/978-3-032-10209-6_32
5. Paul Faragó, Robert R. Ileașan, **Sebastian A. Ștefăniță**, Sorin Hintea, *Cardiorespiratory Correlation Coefficient Matrices for CNN-Based Sleep Apnea Detection*, 2025 47th



- Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*, <https://doi.org/10.1109/EMBC58623.2025.11254655>.
6. A.A. Ionascu, **S.A. Ștefăniță**, *Synthetic football sprite animations learned across the pitch*. Advances in Computational Collective Intelligence. ICCCI 2023. Communications in Computer and Information Science, vol. 1864, Springer, Cham. https://doi.org/10.1007/978-3-031-41774-0_48
 7. A.A. Cordoș, **S.A. Ștefăniță**, C. Muntean, C.V. Vernic, S.D. Bolboacă, *ALSATION Study Protocol: Romanian Translation of Three Health Literacy Surveys*. Studies in Health Technology and Informatics, Volume 321: Collaboration across Disciplines for the Health of People, Animals and Ecosystems, p. 12-16. <https://doi.org/10.3233/SHTI241052>
 8. M. Gherghinescu, T. Ivașcu, **S. Ștefăniță**, *Adaptive Traffic Management System Based on Real-Time Traffic Conditions*. Intelligent Information and Database Systems. ACIIDS 2024. Lecture Notes in Computer Science, vol. 14796, pp. 56-67. Springer, Singapore. https://doi.org/10.1007/978-981-97-4985-0_5
 9. A. Farcaș, A. Lobonț, D. Babuc, T. Ivașcu, **S.-A. Ștefăniță**, *EI-ViT-Net: a Vision Transformer Approach for Diabetic Retinopathy's Decision Support Pipeline*. 24th International Conference on Bioinformatics and Bioengineering (BIBE), Kragujevac, Serbia, 2024, pp. 1-6. <https://doi.org/10.1109/BIBE63649.2024.10820483>
 10. Schuurman, Dimitri; Santonen, Teemu; Habibipour, Abdolrasoul; Vervoort, Koen; Stuckrath, Claudia; McPhee, Chris; Konstantinidis, Evdokimos; Piana, Valentino; **Stefaniga, Sebastian-Aurelian**; Desole, Martina, *Towards a Living Labs Research Agenda*. ISPIM Conference Proceedings, 2025, p. 1-17. <https://www.proquest.com/openview/043988bbbaba1cb79933cdb7193e9ec6/>
 11. A. Ionascu, **S. A. Stefaniga**, *Semi-Supervised Pipeline for Human Sprites Neural Rendering*, 2022 24th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Timisoara, Romania, 2022, <https://doi.org/10.1109/SYNASC57785.2022.00049>
 12. B. Budihala, T. Ivașcu, **S. A. Stefaniga**, *Motorage - Computer vision-based self-sufficient smart parking system*, 2022 24th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Timisoara, Romania, 2022, <https://doi.org/10.1109/SYNASC57785.2022.00047>
 13. **S. A. Stefaniga**, *Methods of acceleration for feature extractions in medical imaging using GPU processing*, 2021 23rd International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Timisoara, Romania, 2021, doi: 10.1109/SYNASC54541.2021.00047.
 14. I. A. Tarba, M. Gaianu, **S. A. Stefaniga**, *The Driver's Attention Level*, 2020 22nd International Symposium on Symbolic and Numeric Algorithms for Scientific Computing



- (SYNASC), Timisoara, Romania, 2020, pp. 251-258, doi: 10.1109/SYNASC51798.2020.00048.
15. A. Ionascu, **S. A. Stefaniga**, *DS Lab Notebook: A new tool for data science applications*, 2020 22nd International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Timisoara, Romania, 2020, pp. 310-314, doi: 10.1109/SYNASC51798.2020.00056.
 16. **S. Stefaniga** and M. Gaianu, *An Approach of Segmentation Method Using Deep Learning for CT Medical Images*, 2019 21st International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Timisoara, Romania, 2019, pp. 273-279, doi: 10.1109/SYNASC49474.2019.00045.
 17. Debora Gil, Antonio Esteban Lansaque, **Sebastian Stefaniga**, Mihail Gaianu, Carles Sanchez, *Data Augmentation from Sketch*, International Workshop CLIP 2019, held in conjunction with MICCAI 2019, Shenzhen, China, October 17, 2019 (Vol. 11840, pp. 155–162), DOI: 10.1007/978-3-030-32689-0_16.
 18. V. D. Chiriac, L. Stelea, M. Craina, C. Balasan, A. Fogarassy, **S. A. Stefaniga**, A. Furău, M. Salapa, *Infectious Pathology in HSIL Lesions – Statistical Data*, Proceedings of the 4th Congress of the Romanian Society for Minimal Invasive Surgery in Gynecology 2018, p.167-172, ISBN 978-88-85813-48-9.
 19. V. D. Chiriac, L. Stelea, M. Craina, C. Balasan, A. Fogarassy, S. A. Stefaniga, A. Furău, M. Salapa, *Risk Analysis for HSIL Lesions*. Proceedings of the 4th Congress of the Romanian Society for Minimal Invasive Surgery in Gynecology 2018, p. 173-176, ISBN 978-88-85813-48-9
 20. L. Stelea, M. Craina, C. Balasan, V. D. Chiriac, A. Fogarassy, **S. A. Stefaniga**, A. Furău, *Genital Infection of Human Papillomavirus: Incidence and Risk Factors in a Cohort in the Western Part of Romania – Babes Papanicolaou Test*, Proceedings of the 4th Congress of the Romanian Society for Minimal Invasive Surgery in Gynecology 2018, p.597-601, ISBN 978-88-85813-48-9
 21. L. Stelea, M. Craina, C. Balasan, V. D. Chiriac, A. Fogarassy, **S. A. Stefaniga**, A. Furău, *Can Inflammation Cause LSIL?* Proceedings of the 4th Congress of the Romanian Society for Minimal Invasive Surgery in Gynecology 2018, p.602-607, 2018, ISBN 978-88-85813-48-9.
 22. L. Stelea, M. Craina, C. Balasan, V. D. Chiriac, A. Fogarassy, **S. A. Stefaniga**, A. Furău, *Infectious Factors Involved in the Occurrence of LSIL Lesions*, Proceedings of the 4th Congress of the Romanian Society for Minimal Invasive Surgery in Gynecology 2018, p.608-612, 2018, ISBN 978-88-85813-48-9.
 23. **Sebastian-Aurelian Ștefăniță**, Mihail Găianu, *Face detection and recognition methods using deep learning in autonomous driving*, Proceedings of 20th International



Symposium on Symbolic and Numeric Algorithm for Scientific Computing, 2018, DOI: 10.1109/SYNASC.2018.00060.

24. **Sebastian-Aurelian Ștefăniță**, Mihail Găianu, *Performance analysis of morphological operation in CPU and GPU for medical images*, Proceedings of 19th International Symposium on Symbolic and Numeric Algorithm for Scientific Computing, 2017, DOI: 10.1109/SYNASC.2017.00068.

(viii) Alte lucrări și contribuții științifice:

(viii). a. Lista lucrărilor publicate în volume ale conferințelor științifice naționale:

1. I. Petre, F. Barna, M. Craina, L. Moleriou, S. Iurciuc, V. Turi, I. Petre, **S. A. Ștefaniga**, *Cost-Effectiveness Assessment of Surgical Treatment of Cervical Cancer*, Proceedings of the Annual Days of the National Institute for Mother and Child Health “Alessandrescu-Rusescu”, 21-23 November 2019, Bucharest, Romania, p.416-420, ISBN 978-88-85813-86-1.
2. I. Petre, F. Barna, A.V. Popescu, L. Moleriou, M. Craina, **S. A. Ștefaniga**, *Cost-Effectiveness Assessment in the Early Detection of Risk for Preeclampsia*, Proceedings of the Annual Days of the National Institute for Mother and Child Health “Alessandrescu-Rusescu”, 21-23 November 2019, Bucharest, Romania, p.416-420, ISBN 978-88-85813-86-1.
3. A.V. Popescu, M. Craina, M. Popescu, P. Stelian, **S. A. Ștefaniga**, E. V. Lăzureanu, A. C. Ilie, *Correlations Between the Characteristics of the Menstrual Cycle and the Risk of Endometriosis*, Proceedings of the XV Conference of The Romanian-German Society of Obstetrics and Gynecology and V National Congress of the Romanian Association of Menopause, 06-08 June 2019, Timișoara, Romania, p.416-420, ISBN 978-88-85813-76-2.

(viii). b. Lista rezumatelor (abstractelor) publicate în volume speciale ale revistelor științifice și prezentate în cadrul unor conferințe științifice internaționale:

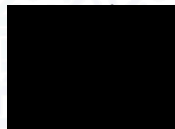
1. Farcaș, A. R., Fleșar, R. C., Ivașcu, T., & **Ștefăniță, S. A.**, *Efficient Storage Management of Optical Coherence Tomography Images using Zero-Shot Noise2Noise and a Custom Convolutional Neural Network*. Applied Medical Informatics, 47.
2. Moldovan, Radu-Anton, & **Ștefăniță, Sebastian-Aurelian**, *Predictive Analysis of Cardiovascular Disease Risk Factors in Romania using Machine Learning and Medical Statistics*. Applied Medical Informatics, 47.



3. Iordache, O. C., & **Ștefăniță, S. A.**, *Understanding the Role of Robotic Process Automation in Healthcare*. Applied Medical Informatics, 47.
4. Babuc, D., Lobonț, A., Farcaș, A., Ivașcu, T., & **Ștefăniță, S. A.**, *Deep Learning-Based Denoising for Optical Coherence Tomography: Evaluating Self-Supervised and Generative Models Across Retinal Datasets*. Applied Medical Informatics, 47.
5. Vernic, C., **Ștefăniță, S. A.**, Apostol, A. S., & Muntean, C., *The Impact of Digitization of Intensive Care Services on Patient Safety in the Pius Brânzeu Emergency County Hospital in Timișoara*. Applied Medical Informatics, 46.
6. Roman, I., Muntean, C., & **Ștefăniță, S. A.**, *Creating Medical Datasets using Robot Process Automation*. Applied Medical Informatics, 46.
7. Zîmpău-Valah, B. M., **Ștefăniță, S. A.**, Ivașcu, T., & Dănciulescu, R., *X-Ray Image Classification Methods using Artificial Intelligence Techniques*. Applied Medical Informatics, 45, S13-S13.
8. Vernic, C., Csutak, B., Bedreag, O. H., **Ștefăniță, S. A.**, & Muntean, C., *The Future of Critical Care: Innovations in Patient-Centered Technology*. Applied Medical Informatics, 45, S20-S20.
9. Fleșar, R. C., **Ștefăniță, S. A.**, Faragó, P., & Ileșan, R. R., *Artificial Intelligent Model for Parkinson's Disease Management*. Applied Medical Informatics, 45, S12-S12.
10. **S. A. Ștefăniță**, A. R. Asofroniei, *SmartRay-An AI-Based Module for Medical Images Processing*. Applied Medical Informatics, 43, 28-28.
11. **S. A. Ștefăniță**, *Fine-Tuned Medical Images Denoising using Median Filtering*. Applied Medical Informatics, 43, 27-27.
12. **S. A. Ștefăniță**, T. Florea, *VitaWise-AI-based Healthcare Application*. Applied Medical Informatics, 43, 29-29.

(viii). c. Lista publicațiilor științifice în extenso, acceptate pentru publicare în conferințe internaționale de specialitate:

1. Alexandru-Robert Farcaș, **Sebastian-Aurelian Ștefăniță**, *An End-to-End Deep Learning Framework for Speckle Noise Removal and Pathology Detection in OCT Imaging*. International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2026), acceptată pentru publicare, 2026.
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3. Ioana-Alexandra Morariu, **Sebastian-Aurelian Ștefăniță**, Todor Ivașcu, *Three-Dimensional Reconstruction of the Human Heart from Computed Tomography*



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Ștefăniță Sebastian-Aurelian

