

A. Lista cu cele 10 lucrări relevante

1. Buzgau P, Slevin M, Barna IT, Dénes L, Tero-Vescan A, Russo AP, **Pastorello Y**. *C-Reactive Protein and Neurological Autoimmune Diseases: Bridging the Diagnostic and Pathogenic Gap*. Int. J. Mol. Sci. 2026; 27(3):1322, ISSN 1422-0067, IF*: 4.9, Q1; ultim autor. doi.org/10.3390/ijms27031322
2. **Pastorello Y**, Arnaut N, Straistă M, Caccuri F, Caruso A, Slevin M. *Beyond Viral Assembly: The Emerging Role of HIV-1 p17 in Vascular Inflammation and Endothelial Dysfunction*. Int. J. Mol. Sci. 2025; 26(24):11949, ISSN 1422-0067, IF*: 4.9, Q1; prim autor. doi.org/10.3390/ijms262411949
3. Russo AP, **Pastorello Y**, Dénes L, Brînzaniuc K, Krupinski J, Slevin M. *The Inflammatory Nexus: Unraveling Shared Pathways and Promising Treatments in Alzheimer's Disease and Schizophrenia*. Int. J. Mol. Sci. 2025; 26(13):6237, ISSN 1422-0067, IF*: 4.9, Q1; coautor. doi.org/10.3390/ijms26136237
4. Arnaut N, **Pastorello Y**, Slevin M. *Monomeric C-reactive protein: a link between chronic inflammation and neurodegeneration?* Neural Regen Res. 2024; Aug 1;19(8):1643-1644, ISSN 1673-5374, IF*: 6.7, Q1; coautor. doi: 10.4103/1673-5374.389640
5. **Pastorello Y**, Russo A, Bănescu C, Caprio V, Gáll Z, Potempa L, Cordoș B, Di Napoli M, Slevin M. *Brain Vascular Expression of Monomeric C-Reactive Protein Is Blocked by C10M Following Intraperitoneal Injection in an ApoE-/- Murine Model of Dyslipidemia: An Immunohistochemical Analysis*. Cureus 2024; 16(5): e60682, ISSN 2168-8184, IF*: 1.3, Q3; prim autor. doi.org/10.7759/cureus.60682
6. **Pastorello Y**, Manu D, Sawkulycz X, Caprio V, Banescu C, Dobreanu M, Potempa L, Di Napoli M, Slevin M. *mCRP-Induced Focal Adhesion Kinase-Dependent Monocyte Aggregation and M1 Polarization, Which Was Partially Blocked by the C10M Inhibitor*. Int. J. Mol. Sci. 2024; 25(6):3097, ISSN 1422-0067, IF*: 4.9, Q1; prim autor. doi.org/10.3390/ijms25063097
7. Bartra C, Yuan Y, Vuraić K, Valdés-Quiroz H, Garcia-Baucells P, Slevin M, **Pastorello Y**, Suñol C, Sanfeliu C. *Resveratrol Activates Antioxidant Protective Mechanisms in Cellular Models of Alzheimer's Disease Inflammation*. Antioxidants 2024; 13(2):177, ISSN 2076-3921, IF*: 6.6, Q1; coautor. doi.org/10.3390/antiox13020177
8. **Pastorello Y**, Carare RO, Bănescu C, Potempa L, Di Napoli M, Slevin M. *Monomeric C-reactive protein: A novel biomarker predicting neurodegenerative disease and vascular dysfunction*. Brain Pathol. 2023; May 9:e13164. ISSN 1015-6305, IF*: 5.8, Q1, prim autor. doi: 10.1111/bpa.13164
9. Cooper J, **Pastorello Y**, Slevin M. *A meta-analysis investigating the relationship between inflammation in autoimmune disease, elevated CRP, and the risk of dementia*. Front. Immunol. 2023; 14:1087571, ISSN 1664-3224, IF*: 5.7, Q1; coautor. doi: 10.3389/fimmu.2023.1087571
10. Mureșan M, **Pastorello Y**, Brînzaniuc K. *Human embryology for medical students*. Editura

B. Teza de doctorat

Titlul tezei: *“Proteina C-reactivă monomerică, activarea macrofagelor, și patologia bolilor vasculare”*, 2024, conducător științific Prof. Univ. Dr. Claudia Bănescu, Universitatea de Medicină, Farmacie, Științe și Tehnologie „George Emil Palade” din Târgu Mureș, Calificativ “Excelent” - “Summa cum Laude”, Diploma de Doctor Seria J Nr. 0072291.

C. Cărți și capitole în cărți

1. Mureșan M, **Pastorello Y**, Brînzaniuc K. *Human embryology for medical students*. Editura University Press Târgu Mureș 2022, 80 pg, ISBN:978-973-169-758-1, cod. CNCSIS 210

D. Articole/studii in extenso

i. Articole în reviste cotate ISI

1. Tero-Vescan A, **Pastorello Y**, Slevin M. *Shear-Calibrated High-Intensity Interval Training to Promote Endothelial Autophagy and Delay Vascular Senescence: A Biomarker-Guided Approach*. Int. J. Mol. Sci. 2026; 27(6):2653, ISSN 1422-0067, IF*: 4.9, Q1; autor corespondent. doi.org/10.3390/ijms27062653
2. Buzgau P, Slevin M, Barna IT, Dénes L, Tero-Vescan A, Russo AP, **Pastorello Y**. *C-Reactive Protein and Neurological Autoimmune Diseases: Bridging the Diagnostic and Pathogenic Gap*. Int. J. Mol. Sci. 2026; 27(3):1322, ISSN 1422-0067, IF*: 4.9, Q1; ultim autor. doi.org/10.3390/ijms27031322
3. **Pastorello Y**, Arnaut N, Straistă M, Caccuri F, Caruso A, Slevin M. *Beyond Viral Assembly: The Emerging Role of HIV-1 p17 in Vascular Inflammation and Endothelial Dysfunction*. Int. J. Mol. Sci. 2025; 26(24):11949, ISSN 1422-0067, IF*: 4.9, Q1; prim autor. doi.org/10.3390/ijms262411949
4. Bergo I, Slevin M, **Pastorello Y**, Höhne A, Tero-Vescan A. *The Interconnected World of Coagulation Factors, Platelets and Plasminogen: A Novel Perspective on Biosynthetic Regulation*. Life. 2025; 15(10):1593, ISSN 2075-1729, IF*: 3.4, Q1; coautor. doi.org/10.3390/life15101593
5. Russo AP, **Pastorello Y**, Dénes L, Brînzaniuc K, Krupinski J, Slevin M. *The Inflammatory Nexus: Unraveling Shared Pathways and Promising Treatments in Alzheimer’s Disease and Schizophrenia*. Int. J. Mol. Sci. 2025; 26(13):6237, ISSN 1422-0067, IF*: 4.9, Q1; coautor. doi.org/10.3390/ijms26136237
6. Russo A, Szilveszter M, Șuta C, David C, Vunvulea V, **Pastorello Y**, Simon-Szabó Z, Incze-Bartha S, Dénes L, Incze-Bartha Z. *Sequential Surgical Correction of Macrodactyly: A Case Report and*

- Literature Review*. Cureus 2024; 16(9), e68913, ISSN 2168-8184, IF*:1.3, Q3; coautor. doi:10.7759/cureus.68913
7. Russo A, **Pastorello Y**, Dénes L. *Automated Cobb Angle Measurements for Scoliosis Diagnosis and Assessment: AI Applications and Accuracy Enhancement Through Image Processing Techniques*. Cureus 2024; 16(8): e66736, ISSN 2168-8184, IF*:1.3, Q3; autor corespondent. doi:10.7759/cureus.66736
 8. Viorel VI, **Pastorello Y**, Bajwa N, Slevin M. *p38-MAPK and CDK5, signaling pathways in neuroinflammation: a potential therapeutic intervention in Alzheimer's disease?* Neural Regen Res. 2024; Aug 1;19(8):1649-1650, ISSN 1673-5374, IF*: 6.7, Q1, coautor. doi: 10.4103/1673-5374.389645
 9. Arnaut N, **Pastorello Y**, Slevin M. *Monomeric C-reactive protein: a link between chronic inflammation and neurodegeneration?* Neural Regen Res. 2024; Aug 1;19(8):1643-1644, ISSN 1673-5374, IF*: 6.7, Q1; coautor. doi: 10.4103/1673-5374.389640
 10. **Pastorello Y**, Russo A, Bănescu C, Caprio V, Gáll Z, Potempa L, Cordoş B, Di Napoli M, Slevin M. *Brain Vascular Expression of Monomeric C-Reactive Protein Is Blocked by C10M Following Intraperitoneal Injection in an ApoE^{-/-} Murine Model of Dyslipidemia: An Immunohistochemical Analysis*. Cureus 2024; 16(5): e60682, ISSN 2168-8184, IF*:1.3, Q3; prim autor. doi.org/10.7759/cureus.60682
 11. **Pastorello Y**, Manu D, Sawkulycz X, Caprio V, Banescu C, Dobreanu M, Potempa L, Di Napoli M, Slevin M. *mCRP-Induced Focal Adhesion Kinase-Dependent Monocyte Aggregation and M1 Polarization, Which Was Partially Blocked by the C10M Inhibitor*. Int. J. Mol. Sci. 2024; 25(6):3097, ISSN 1422-0067, IF*: 4.9, Q1; prim autor. doi.org/10.3390/ijms25063097
 12. Incze-Bartha Z, Incze-Bartha S, Simon Szabo Z, Feier AM, Vunvulea V, Nechifor-Boila AI, **Pastorello Y**, Denes L. *Finite Element Analysis of Various Osteotomies Used in the Treatment of Developmental Hip Dysplasia in Children*. J. Pers. Med. 2024; 14(2):189, ISSN 2075-4426, fără IF in 2024; coautor. doi.org/10.3390/jpm14020189
 13. Bartra C, Yuan Y, Vuraić K, Valdés-Quiroz H, Garcia-Baucells P, Slevin M, **Pastorello Y**, Suñol C, Sanfeliu C. *Resveratrol Activates Antioxidant Protective Mechanisms in Cellular Models of Alzheimer's Disease Inflammation*. Antioxidants 2024; 13(2):177, ISSN 2076-3921, IF*: 6.6, Q1; coautor. doi.org/10.3390/antiox13020177
 14. Incze-Bartha Z, Russo A, **Pastorello Y**, Vunvulea V, Stanciu N, Mattarocci M, Dénes L. *Cough Induced Multiple, Bilateral, Asymmetrical Rib Fractures in a Scoliosis Patient: A Case Report*. Cureus 2023; 15(11): e49251, ISSN 2168-8184, IF*: 1, Q3; autor corespondent. doi:10.7759/cureus.49251
 15. Incze-Bartha Z, Incze-Bartha S, Simon Szabó Z, Feier AM, Vunvulea V, Nechifor-Boilă I.A, **Pastorello Y**, Szasz D, Dénes L. *Finite Element Analysis of Normal and Dysplastic Hip Joints in Children*. J. Pers. Med. 2023; 13, 1593, ISSN 2075-4426, IF*: 3, Q2; coautor.

doi.org/10.3390/jpm13111593

16. Salagean A, Nechifor-Boila A, Bajwa N, **Pastorello Y**, Slevin M. *Micro-Fragmented Adipose Tissue as a Natural Scaffold for Targeted Drug Delivery in Brain Cancer*. Int. J. Mol. Sci. 2023; 24, 11530, ISSN 1422-0067, IF*: 4.9, Q1, coautor. doi.org/ 10.3390/ijms241411530
17. **Pastorello Y**, Carare RO, Bănescu C, Potempa L, Di Napoli M, Slevin M. *Monomeric C-reactive protein: A novel biomarker predicting neurodegenerative disease and vascular dysfunction*. Brain Pathol. 2023; May 9:e13164. ISSN 1015-6305, IF*: 5.8, Q1, prim autor. doi: 10.1111/bpa.13164
18. Vunvulea V, Melinte RM, Brînzaniuc K, Suciuc BA, Ivănescu AD, Hălmăciuc I, Incze-Bartha Z, **Pastorello Y**, Trâmbițaș C, Mărginean L, Kaller R, Kassas A, Hogeia T. *Blood count-derived inflammatory markers correlate with lengthier hospital stay and are predictors of pneumothorax risk in thoracic trauma patients*. Diagnostics 2023; 13, 954, ISSN 2075-4418, IF*: 3, Q2; coautor. doi.org/10.3390/diagnostics13050954
19. Cooper J, **Pastorello Y**, Slevin M. *A meta-analysis investigating the relationship between inflammation in autoimmune disease, elevated CRP, and the risk of dementia*. Front. Immunol. 2023; 14:1087571, ISSN 1664-3224, IF*: 5.7, Q1; coautor. doi: 10.3389/fimmu.2023.1087571

ii. Articole în reviste indexate BDI

1. **Pastorello Y**, Buzgau P, Barna I, Dénes L. *The Relationship Between Orthodontic Abnormalities and Spinal Deformities: A Review of Literature*. Cureus 2025; 17(3): e80934, ISSN 2168-8184, IF*: 1.1; prim autor. doi:10.7759/cureus.80934. <https://pubmed.ncbi.nlm.nih.gov/40255813/>
2. Bergh I, **Pastorello Y**. *Utilization of lipoxins and other specialised pro-resolving mediators in the prevention and treatment of diabetic nephropathy and diabetic cardiovascular disease*. Acta Marisiensis - Seria Medica, 2024; 70(4):216-222; ISSN: 2668- 7755; ultim autor. <https://doi.org/10.2478/amma-2024-0037->
3. **Pastorello Y**, Slevin M. *Mesenchymal stem cell stroke therapy: current limitations in its clinical translation*. Explor Neurosci. 2023; 2:98–105, ISSN: 2834-5347; prim autor. doi.org/10.37349/en.2023.00015
4. Al Hussein H, Al Hussein H, **Pastorello Y**, Harpa M, Balau R, Ghiragosian C, Banceu C, Brînzaniuc K, Suciuc H. *Giant right atrial myxoma- Case report*. Acta Medica Transilvanica 2019; 24(2): 39-40, ISSN: 2285-7079; coautor. http://www.amsibiu.ro/component/content/article/63-nr-2-2019/index.php?option=com_content&view=article&id=3243:giant-right-atrial-myxoma--case-report&catid=63:nr-2-2019

G. Alte lucrări și contribuții științifice

i. Articole publicate în rezumat

1. Arnaut N, **Pastorello Y**, Straista M, Caccuri F, Caruso A, Slevin M. *HIV-1 matrix protein p17*

variants as predictors of lymphoma risk using novel sequencing-based approaches. International Conference of PhD Students and Young Doctors, 8-13.12.2025, Târgu Mureș. Editura University Press Târgu Mureș 2025, Vol. 8, pg. 178, ISSN-L: 2602-1609. <https://zilele.umfst.ro/boa/>

2. Arnaut N, Straista M, **Pastorello Y**, Tero-Vescan A, Caruso A, Caccuri F, Slevin M. *Molecular mechanisms of HIV-1 matrix protein p17 variants in lymphomagenesis: perspectives for targeted preventive/therapeutic strategies.* Congresul Național de Farmacie 2025, ediția a XX-a, 24-26.09.2025, Târgu Mureș. Editura University Press Târgu Mureș 2025, pg. 235, ISBN: 978-973-169-929-5. <https://congresfarmacie.com/wp-content/uploads/2025/09/Volum-Rezumat-Congres-National-de-Farmacie-2025.pdf>
3. Groza-Mathe K, Gorea S, Calancea A, Burghilea IA, **Pastorello Y**, Slevin M. *Monomeric C-Reactive Protein and Anti-mCRP Antibodies: Potential Biomarkers of Disease Activity in Systemic Lupus Erythematosus.* Congress for Students, Young Physicians and Pharmacists "MARISIENSIS", 22-26.05.2024, Târgu Mureș. Acta Medica Marisiensis 2024, Vol. 70, Supplement 3: 3-4, ISSN: 2668- 7755. <https://ojs.actamedicamarisiensis.ro/index.php/amm/issue/view/13/45-> **2ND PRIZE WINNER**
4. Bergo I, **Pastorello Y**. *Lipoxins as Potential Therapeutic Mediators in Diabetes-Associated Atherosclerosis.* Congress for Students, Young Physicians and Pharmacists "MARISIENSIS", 22-26.05.2024, Târgu Mureș. Acta Medica Marisiensis 2024, Vol. 70, Supplement 3: 10-11, ISSN: 2668- 7755. <https://ojs.actamedicamarisiensis.ro/index.php/amm/issue/view/13/45>
5. Straista M, Slevin M, **Pastorello Y**. *Correlation between Alzheimer's Disease Tissue Morphology and Monomeric C-reactive Protein Distribution: an Immunohistochemical Study.* Congress for Students, Young Physicians and Pharmacists "MARISIENSIS", 22-26.05.2024, Târgu Mureș. Acta Medica Marisiensis 2024, Vol. 70, Supplement 3: 16, ISSN: 2668- 7755. <https://ojs.actamedicamarisiensis.ro/index.php/amm/issue/view/13/45>
6. Russo AP, **Pastorello Y**, Dénes L. *Utilizing Artificial Intelligence for Automated Cobb Angle Measurement in Scoliosis Diagnosis and Assessment.* UMFST-UMCH Research Day, 15.03.2024, Hamburg. Acta Medica Marisiensis 2024, Vol. 70, Supplement 1: 8-9, ISSN: 2668- 7755. <https://ojs.actamedicamarisiensis.ro/index.php/amm/issue/view/13/43-> **2ND PRIZE WINNER**
7. Awad M, **Pastorello Y**, Buț M, Tero-Vescan A, Slevin M. *A controversial stance on ketogenic diet and intermittent fasting.* UMFST-UMCH Research Day, 15.03.2024, Hamburg. Acta Medica Marisiensis 2024, Vol. 70, Supplement 1: 24, ISSN: 2668- 7755. <https://ojs.actamedicamarisiensis.ro/index.php/amm/issue/view/13/43>
8. Arnaut N, **Pastorello Y**, Tero-Vescan A, Slevin M. *Monomeric C-reactive protein - a key factor*

- in chronic inflammation and neurodegenerative pathways*. UMFST-UMCH Research Day, 15.03.2024, Hamburg. Acta Medica Marisiensis 2024, Vol. 70, Supplement 1: 24-25, ISSN: 2668- 7755. <https://ojs.actamedicamarisiensis.ro/index.php/amm/issue/view/13/43>
9. Bergo I, **Pastorello Y**. *Lipoxins: potential therapeutic strategies in diabetic nephropathy*. UMFST-UMCH Research Day, 15.03.2024, Hamburg. Acta Medica Marisiensis 2024, Vol. 70, Supplement 1: 25, ISSN: 2668- 7755. <https://ojs.actamedicamarisiensis.ro/index.php/amm/issue/view/13/43-3RD> **PRIZE WINNER**
 10. Portulano A, **Pastorello Y**, Tero-Vescan A, Slevin M. *C-reactive Protein and its Monomeric Form as Exacerbators of Epithelial Mesenchymal Transformation in Diabetic Nephropathy*. UMFST-UMCH Research Day, 15.03.2024, Hamburg. Acta Medica Marisiensis 2024, Vol. 70, Supplement 1: 26, ISSN: 2668- 7755. <https://ojs.actamedicamarisiensis.ro/index.php/amm/issue/view/13/43>
 11. Aust A, **Pastorello Y**, Barbolini A, Slevin M, Tero-Vescan A. *Acetyl-L-Carnitine as a Beneficial Supplement Against Cognitive Decline and Neurodegeneration*. UMFST-UMCH Research Day, 15.03.2024, Hamburg. Acta Medica Marisiensis 2024, Vol. 70, Supplement 1: 26-27, ISSN: 2668- 7755. <https://ojs.actamedicamarisiensis.ro/index.php/amm/issue/view/13/43-1ST> **PRIZE WINNER**
 12. Hühne A, **Pastorello Y**, Tero-Vescan A, Slevin M. *Efficacy of Monoclonal Antibody Gantenerumab in Targeting Amyloid Beta and Tau Proteins in Alzheimer's Disease*. UMFST-UMCH Research Day, 15.03.2024, Hamburg. Acta Medica Marisiensis 2024, Vol. 70, Supplement 1: 27-28, ISSN: 2668- 7755. <https://ojs.actamedicamarisiensis.ro/index.php/amm/issue/view/13/43>
 13. Barbolini A, Aust A, **Pastorello Y**, Slevin M, Tero-Vescan A. *Toll-Like Receptor Antagonists as Potential Therapeutic Approach for Psoriasis*. UMFST-UMCH Research Day, 15.03.2024, Hamburg. Acta Medica Marisiensis 2024, Vol. 70, Supplement 1: 28, ISSN: 2668- 7755. <https://ojs.actamedicamarisiensis.ro/index.php/amm/issue/view/13/43>
 14. Bergo I, **Pastorello Y**, Tero-Vescan A. *Specialized pro-resolving lipid mediators as preventive and therapeutic agents of chronic complications in diabetes mellitus*. UMFST-UMCH Research Day, 06.05.2023, Hamburg. Acta Medica Marisiensis 2023, Vol. 69, Supplement 3: 6-7, ISSN: 2668- 7755. https://actamedicamarisiensis.ro/wp-content/uploads/2023/05/AMM_69_S3_web.pdf **1ST PRIZE WINNER**
 15. Russo AP, **Pastorello Y**, Dénes Lóránd. *Morphological features of the vomeronasal organ in humans*. UMFST-UMCH Research Day, 06.05.2023, Hamburg. Acta Medica Marisiensis 2023, Vol. 69, Supplement 3: 9-10, ISSN: 2668- 7755. https://actamedicamarisiensis.ro/wp-content/uploads/2023/05/AMM_69_S3_web.pdf

16. Varodi CG, **Pastorello Y**, Müller N, Slevin M. *C-reactive protein in schizophrenia associated neuroinflammation*. UMFST-UMCH Research Day, 06.05.2023, Hamburg. Acta Medica Marisiensis 2023, Vol. 69, Supplement 3: 13, ISSN: 2668- 7755. https://actamedicamarisiensis.ro/wp-content/uploads/2023/05/AMM_69_S3_web.pdf
17. Arnaut N, **Pastorello Y**, Slevin M. *C-reactive protein associated inflammation in diabetic wound healing and its possible contribution to neurodegeneration*. UMFST-UMCH Research Day, 06.05.2023, Hamburg. Acta Medica Marisiensis 2023, Vol. 69, Supplement 3: 14, ISSN: 2668- 7755. https://actamedicamarisiensis.ro/wp-content/uploads/2023/05/AMM_69_S3_web.pdf
18. **Pastorello Y**, Abu Omar M, Flămînd-Oltean S, Harpa M. *Management of severe aortic stenosis: surgical valve replacement versus transcatheter valve implantation*. Congress for Students, Young Physicians and Pharmacists "MARISIENSIS", 04-08.05.2022, Târgu Mureş. Acta Medica Marisiensis 2022, Vol. 68, Supplement 3: 68-69, ISSN: 2668- 7755. https://actamedicamarisiensis.ro/wp-content/uploads/2022/06/AMM_68_S3_web.pdf
19. **Pastorello Y**, Ambrus M, Moraru L. *Surgical approach to grown-up congenital heart disease patients with septal defect*. Congress for Students, Young Physicians and Pharmacists "MARISIENSIS", 28.03-01.04.2018, Târgu Mureş. Acta Medica Marisiensis 2018, Vol. 64, Supplement 1: 37-38, ISSN: 2068-3324. https://actamedicamarisiensis.ro/wp-content/uploads/2018/01/AMM_64_S1_web.pdf

* din anul corespunzător apariției