

Listă de lucrări

Candidat: Drd. Raluca Niculescu

a. Articole publicate în extenso

i. Articole publicate în extenso în reviste cotate ISI, cu FI, prim autor:

Niculescu R, Stoian A, Arbănași EM, Russu E, Babă DF, Manea A, Stoian M, Gliga FI, Cocuz IG, Sabău AH, Szabo DA, Cotoi OS. The Dual Role of Perivascular Adipose Tissue in Vascular Homeostasis and Atherogenesis: From Physiology to Pathological Implications. *Int J Mol Sci*. 2025 Aug 27;26(17):8320. doi: 10.3390/ijms26178320. PMID: 40943241; PMCID: PMC12428064.

Niculescu R, Mureșan A, Radu CC, Hogeia TR, Cocuz IG, Sabău AH, Russu E, Arbănași EM, Arbănași EM, Mureșan AV, Stoian A, Ceană DE, Buicu CF, Cotoi OS. Predictive Value of Epicardial Adipose Tissue Thickness for Plaque Vulnerability in Left Coronary Arteries: Histological Evidence from 245 Sudden Cardiac Death Cases. *Diagnostics (Basel)*. 2025 Jun 11;15(12):1491. doi: 10.3390/diagnostics15121491. PMID: 40564812; PMCID: PMC12192023.

Niculescu R, Russu E, Arbănași EM, Kaller R, Arbănași EM, Melinte RM, Coșarcă CM, Cocuz IG, Sabău AH, Tinca AC, Stoian A, Vunvulea V, Mureșan AV, Cotoi OS. Carotid Plaque Features and Inflammatory Biomarkers as Predictors of Restenosis and Mortality Following Carotid Endarterectomy. *Int J Environ Res Public Health*. 2022 Oct 26;19(21):13934. doi: 10.3390/ijerph192113934. PMID: 36360814; PMCID: PMC9654888.

ii. Articole publicate în extenso în reviste cotate ISI, cu FI, autor principal:

Sabău AH, **Niculescu R**, Cocuz IG, Tinca AC, Szöke AR, Lazar BA, Chiorean DM, Budin CE, Tomuț AN, Cotoi OS. Characterizing CD133 and NANOG Expression in Melanoma: Associations with Histological and Epidemiological Parameters. *Medicina (Kaunas)*. 2024 Oct 10;60(10):1658. doi: 10.3390/medicina60101658. PMID: 39459448; PMCID: PMC11509782.

iii. Articole publicate în extenso în reviste cotate ISI, cu FI, coautor:

Tinca AC, Sabău AH, Cozac-Szoke AR, Chiorean DM, Lazar BA, Hagău RD, Cocuz IG, **Niculescu R**, Kosovski IB, Muntean ST, Turdean SG, Cotoi OS. ABCB5: A Key

Regulator Linking Stem Cell Plasticity, Tumor Microenvironment, and Therapy Resistance in Cutaneous Melanoma. *Cancers (Basel)*. 2026 Jan 28;18(3):424. doi: 10.3390/cancers18030424. PMID: 41681896; PMCID: PMC12896912.

Muntean ST, Cozac-Szoke AR, Chiorean DM, Sabău AH, Cocuz IG, **Niculescu R**, Mariean CR, Cotoi OS, Sin AI. Assessment of Thrombotic Risk in Patients with Tuberculosis and SARS-CoV-2 Coinfection: A Retrospective Study. *Diagnostics (Basel)*. 2026 Feb 28;16(5):724. doi: 10.3390/diagnostics16050724. PMID: 41827999; PMCID: PMC12984595.

Cocuz IG, Manole M, Popelea MC, **Niculescu R**, Cocuz ME, Sabău AH, Tinca AC, Cozac-Szőke AR, Chiorean DM, Ioniță AC, Budin EC, Radu GN, Szasz EA, Cotoi OS. The Epidemiological and Histopathological Profiling of Basal Cell Carcinoma: Insights from a 4-Year Institutional Cohort in a Romanian Clinical County Hospital. *Diagnostics (Basel)*. 2025 Sep 18;15(18):2377. doi: 10.3390/diagnostics15182377. PMID: 41008748; PMCID: PMC12469015.

Cocuz IG, **Niculescu R**, Popelea MC, Cocuz ME, Sabău AH, Tinca AC, Cozac-Szoke AR, Chiorean DM, Budin CE, Cotoi OS. Current Trends and Future Directions of Digital Pathology and Artificial Intelligence in Dermatopathology: A Scientometric-Based Review. *Diagnostics (Basel)*. 2025 Aug 29;15(17):2196. doi: 10.3390/diagnostics15172196. PMID: 40941682; PMCID: PMC12428701.

Cocuz IG, Radu GN, Popelea MC, **Niculescu R**, Cocuz ME, Sabău AH, Tinca AC, Cozac-Szoke AR, Pastor B, Chiorean DM, Budin CE, Kosovski IB, Cotoi OS. Decoding the Spitz Puzzle: Histological Patterns and Diagnostic Challenges in Everyday Pathology Practice-A Single-Center Study. *Medicina (Kaunas)*. 2025 Aug 21;61(8):1501. doi: 10.3390/medicina61081501. PMID: 40870546; PMCID: PMC12388115.

Sabău AH, Tinca AC, **Niculescu R**, Cocuz IG, Cozac-Szőke AR, Lazar BA, Chiorean DM, Budin CE, Cotoi OS. Cancer Stem Cells in Melanoma: Drivers of Tumor Plasticity and Emerging Therapeutic Strategies. *Int J Mol Sci*. 2025 Aug 1;26(15):7419. doi: 10.3390/ijms26157419. PMID: 40806546; PMCID: PMC12347029.

Cocuz IG, **Niculescu R**, Popelea MC, Sabău AH, Cocuz ME, Manole M, Ioniță AC, Altarozzi G, Tătar-Dan M, Cotoi OS, Pașca DM. The Emotional Anatomy of Diagnosis: A Medical Humanities Approach to Empathy in Pathology. *Diagnostics (Basel)*. 2025 Jul 22;15(15):1842. doi: 10.3390/diagnostics15151842. PMID: 40804809; PMCID: PMC12346074.

Stoian M, Andone A, Bândilă SR, Onișor D, Babă DF, **Niculescu R**, Stoian A, Azamfirei L. Personalized Nutrition Strategies for Patients in the Intensive Care Unit: A Narrative Review on the Future of Critical Care Nutrition. *Nutrients*. 2025 May 13;17(10):1659. doi: 10.3390/nu17101659. PMID: 40431399; PMCID: PMC12114248.

Mariean CR, Tiucă OM, Mariean A, Szekely TB, **Niculescu R**, Sabau AH, Al-Akel CF, Cotoi OS. The Impact of the Histologic Types of Lung Cancer on CBC-Derived Inflammatory Markers-Current Knowledge and Future Perspectives. *J Clin Med*. 2025 Apr 28;14(9):3038. doi: 10.3390/jcm14093038. PMID: 40364072; PMCID: PMC12072615.

Tinca AC, Lazar BA, Cozac-Szőke AR, Radu GN, Simion SP, Chiorean DM, Kosovski IB, Sabău AH, **Niculescu R**, Cocuz IG, Hagău RD, Szasz EA, Turdean SG, Cotoi OS. Cutaneous Metastases-Histological Particularities of Multifaceted Entities. *Dermatopathology (Basel)*. 2025 Apr 25;12(2):14. doi: 10.3390/dermatopathology12020014. PMID: 40407482; PMCID: PMC12101375.

Cozac-Szőke AR, Radu GN, Negovan A, Cozac DA, Turdean S, Tinca AC, Szász EA, Cocuz IG, Sabău AH, **Niculescu R**, Chiorean DM, Tomuț AN, Cotoi OS. Prognostic Impact of Klintrup-Mäkinen (KM) Score in Gastric Cancer and Its Association with Pathological Parameters. *Medicina (Kaunas)*. 2025 Apr 13;61(4):715. doi: 10.3390/medicina61040715. PMID: 40283006; PMCID: PMC12029010.

Cozac-Szőke AR, Cozac DA, Negovan A, Tinca AC, Vilaia A, Cocuz IG, Sabău AH, **Niculescu R**, Chiorean DM, Tomuț AN, Cotoi OS. Immune Cell Interactions and Immune Checkpoints in the Tumor Microenvironment of Gastric Cancer. *Int J Mol Sci*. 2025 Jan 29;26(3):1156. doi: 10.3390/ijms26031156. PMID: 39940924; PMCID: PMC11818890.

Budin CE, Cocuz IG, Sabău AH, **Niculescu R**, Cazacu C, Ianoși ES, Cotoi OS. Completing the Puzzle: Determinants, Comorbidities and Complications for Different Lung Cancer Subtypes: A Pilot Study. *Life (Basel)*. 2024 Dec 5;14(12):1611. doi: 10.3390/life14121611. PMID: 39768319; PMCID: PMC11676267.

Sabău AH, Cocuz IG, **Niculescu R**, Tinca AC, Szoke AR, Lazar BA, Chiorean DM, Cotoi OS. The Impact of the COVID-19 Pandemic on Melanoma Diagnosis: A

Single-Center Study. *Diagnostics (Basel)*. 2024 Sep 13;14(18):2032. doi: 10.3390/diagnostics14182032. PMID: 39335711; PMCID: PMC11431054.

Tinca AC, Szoke AR, Lazar BA, Szász EA, Tomuț AN, Sabău AH, Cocuz IG, Cotoi TC, **Niculescu R**, Chiorean DM, Ungureanu IA, Turdean SG, Cotoi OS. H-VISTA Immunohistochemistry Score Is Associated with Advanced Stages in Cutaneous and Ocular Melanoma. *Int J Mol Sci*. 2024 Apr 14;25(8):4335. doi: 10.3390/ijms25084335. PMID: 38673920; PMCID: PMC11049914.

Mureșan AV, Florea E, Arbănași EM, Bartus R, Arbănași EM, Ion AP, Cordoș BA, Halatiu VB, **Niculescu R**, Stoian A, Ciucanu CC, Russu E. Elevated Leukocyte Glucose Index Is Associated with Long-Term Arteriovenous Fistula Failure in Dialysis Patients. *J Clin Med*. 2024 Apr 1;13(7):2037. doi: 10.3390/jcm13072037. PMID: 38610802; PMCID: PMC11012331.

Cocuz IG, Popelea MC, **Niculescu R**, Manea A, Sabău AH, Tinca AC, Szoke AR, Budin CE, Stoian A, Morariu SH, Cotoi TC, Cocuz ME, Cotoi OS. Pathophysiology, Histopathology, and Differential Diagnostics of Basal Cell Carcinoma and Cutaneous Squamous Cell Carcinoma-An Update from the Pathologist's Point of View. *Int J Mol Sci*. 2024 Feb 13;25(4):2220. doi: 10.3390/ijms25042220. PMID: 38396897; PMCID: PMC10888641.

Stoian M, Roman A, Boeriu A, Onișor D, Bandila SR, Babă DF, Cocuz I, **Niculescu R**, Costan A, Laszlo SȘ, Corău D, Stoian A. Long-Term Radiological Pulmonary Changes in Mechanically Ventilated Patients with Respiratory Failure due to SARS-CoV-2 Infection. *Biomedicines*. 2023 Sep 26;11(10):2637. doi: 10.3390/biomedicines11102637. PMID: 37893011; PMCID: PMC10604756.

Stoian M, Roman A, Boeriu A, Onișor D, Bandila SR, Babă DF, Cocuz I, **Niculescu R**, Costan A, Laszlo SȘ, Corău D, Stoian A. Long-Term Radiological Pulmonary Changes in Mechanically Ventilated Patients with Respiratory Failure due to SARS-CoV-2 Infection. *Biomedicines*. 2023 Sep 26;11(10):2637. doi: 10.3390/biomedicines11102637. PMID: 37893011; PMCID: PMC10604756.

Cucoranu DC, Pop M, **Niculescu R**, Kosovski IB, Toganel RO, Licu RA, Bacărea A. Correlation between Coronary Artery Disease and Non-Alcoholic Fatty Liver Disease Using Computed Tomography Coronary Calcium Scans. *Curr Health Sci J*. 2023 Apr-Jun;49(2):244-250. doi: 10.12865/CHSJ.49.02.244. Epub 2023 Jun 30. PMID: 37779834; PMCID: PMC10541065.

Tinca AC, Raicea A, Szőke AR, Cocuz IG, Şincu MC, **Niculescu R**, Sabău AH, Popelea MC, Fruntelată RF, Cotoi OS. Morphological aspects and therapeutic options in melanoma: a narrative review of the past decade. *Rom J Morphol Embryol*. 2023 Apr-Jun;64(2):135-141. doi: 10.47162/RJME.64.2.02. PMID: 37518869; PMCID: PMC10520381.

Stoian A, Bajko Z, Stoian M, Cioflinc RA, **Niculescu R**, Arbănaşi EM, Russu E, Botoncea M, Bălaşa R. The Occurrence of Acute Disseminated Encephalomyelitis in SARS-CoV-2 Infection/Vaccination: Our Experience and a Systematic Review of the Literature. *Vaccines (Basel)*. 2023 Jul 10;11(7):1225. doi: 10.3390/vaccines11071225. PMID: 37515041; PMCID: PMC10385010.

Russu E, Mureşan AV, Ivănescu AD, Kaller R, Nedelea DE, **Niculescu R**, Cordoş BA, Budişcă OA, Arbănaşi EM, Arbănaşi EM. Polytetrafluorethylene (PTFE) vs. Polyester (Dacron®) Grafts in Critical Limb Ischemia Salvage. *Int J Environ Res Public Health*. 2023 Jan 10;20(2):1235. doi: 10.3390/ijerph20021235. PMID: 36673997; PMCID: PMC9859081.

Budin CE, Cocuz IG, Sabău AH, **Niculescu R**, Ianosi IR, Ioan V, Cotoi OS. Pulmonary Fibrosis Related to Amiodarone-Is It a Standard Pathophysiological Pattern? A Case-Based Literature Review. *Diagnostics (Basel)*. 2022 Dec 19;12(12):3217. doi: 10.3390/diagnostics12123217. PMID: 36553223; PMCID: PMC9777900.

Arbănaşi EM, Mureşan AV, Coşarcă CM, Arbănaşi EM, **Niculescu R**, Voidăzan ST, Ivănescu AD, Hălmăciu I, Filep RC, Mărginean L, Suzuki S, Chirilă TV, Kaller R, Russu E. Computed Tomography Angiography Markers and Intraluminal Thrombus Morphology as Predictors of Abdominal Aortic Aneurysm Rupture. *Int J Environ Res Public Health*. 2022 Nov 30;19(23):15961. doi: 10.3390/ijerph192315961. PMID: 36498041; PMCID: PMC9741090.

Mureşan AV, Hălmăciu I, Arbănaşi EM, Kaller R, Arbănaşi EM, Budişcă OA, Melinte RM, Vunvulea V, Filep RC, Mărginean L, Suci BA, Brinzaniuc K, **Niculescu R**, Russu E. Prognostic Nutritional Index, Controlling Nutritional Status (CONUT) Score, and Inflammatory Biomarkers as Predictors of Deep Vein Thrombosis, Acute Pulmonary Embolism, and Mortality in COVID-19 Patients. *Diagnostics (Basel)*. 2022 Nov 11;12(11):2757. doi: 10.3390/diagnostics12112757. PMID: 36428817; PMCID: PMC9689150.

Melinte RM, Arbănași EM, Blesneac A, Zolog DN, Kaller R, Mureșan AV, Arbănași EM, Melinte IM, **Niculescu R**, Russu E. Inflammatory Biomarkers as Prognostic Factors of Acute Deep Vein Thrombosis Following the Total Knee Arthroplasty. *Medicina (Kaunas)*. 2022 Oct 21;58(10):1502. doi: 10.3390/medicina58101502. PMID: 36295662; PMCID: PMC9608310.

Cocuz IG, Cocuz ME, Repanovici A, Sabău AH, **Niculescu R**, Tinca AC, Vunvulea V, Budin CE, Szoke AR, Popelea MC, Moraru R, Cotoi TC, Cotoi OS. Scientific Research Directions on the Histopathology and Immunohistochemistry of the Cutaneous Squamous Cell Carcinoma: A Scientometric Study. *Medicina (Kaunas)*. 2022 Oct 13;58(10):1449. doi: 10.3390/medicina58101449. PMID: 36295609; PMCID: PMC9611311.

Irimia T, Pușcașiu L, Mitranovici MI, Crișan A, Budianu MA, Bănescu C, Chiorean DM, **Niculescu R**, Sabău AH, Cocuz IG, Cotoi OS. Oxidative-Stress Related Gene Polymorphism in Endometriosis-Associated Infertility. *Medicina (Kaunas)*. 2022 Aug 15;58(8):1105. doi: 10.3390/medicina58081105. PMID: 36013572; PMCID: PMC9414462.

iv. Articole publicate în extenso în reviste B+ sau BDI, autor:

Raluca Niculescu, Iuliu Gabriel Cocuz, Ovidiu Simion Cotoi- Strange localization of a mesenchymal tumor- paratesticular liposarcoma- Bulletin of the Transilvania University of Brașov Series VI: Medical Sciences – 2020- Vol. 13 No. 1- pag 29-34- ISSN 2065-221 - <https://doi.org/10.31926/but.ms.2020.62.13.1.4>

v. Articole publicate în rezumat în reviste și volumele unor manifestări științifice cu ISBN sau ISSN

Raluca Niculescu, Andreea Cătălina Tinca, Ovidiu Simion Cotoi The modulatory role of perivascular adipose tissue in the occurrence and progress of atherosclerosis in the lower limbs – George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Targu Mures University Days, December 6-10, 2021, Targu Mures Scientific Session of University Academic Staff and International Conference of PhD Students and Young Doctors. Book of abstracts- 2021 – vol 4 - ISSN 2602-1609

Raluca Niculescu, Laszlo Sergiu Ștefan, Andrei Dragomir Călin, Adrian Vasile Mureșan - The use of ring dissector in chronic obstructive arteriopathy in the vascular surgery department from Targu Mures – Asklepios - 2019 - pg 196 –

ISSN 1843-0406;

Raluca Niculescu, Iuliu Gabriel Cocuz, Stefan Rusu, Adrian Vasila Muresan, Ovidiu S. Cotoi- Aspects of patients being diagnosed with peripheral artery disease and presenting leukocytosis - Acta Medica Marisiensis – 2019- vol 65(1) – pg 35 - ISSN 2068-3324;

Niculescu R, Tinca AC, Cotoi OS - Histological and immunohistochemical features of epithelioid malignant peripheral sheath tumor – a case study - George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Targu Mures University Days, December 6-10, 2021, Targu Mures Scientific Session of University Academic Staff and International Conference of PhD Students and Young Doctors. Book of abstracts 2021 – vol 4 - ISSN 2602-1609

Niculescu R, Cocuz IG, Tinca AC, Bartha R, Cotoi OS - Polip inflamator fibroid la nivel gastric, aspecte histologice și imunohistochimice – *Al XVII-lea Simpozion Național al Societății Române de Morfologie. Craiova 6-9 octombrie 2021- VOLUM DE REZUMATE 2021, vol 73, 978-973-106-363-8*