

Lista de lucrări
Asist. univ. dr. Huzum Bogdan

A. Lista celor 10 lucrări reprezentative

1. Scripcariu DV, Huzum B (unicul autor corespondent), Mircea C, Tesoi DF, Badulescu OV. Systemic impact of platelet activation in abdominal surgery: from oxidative and inflammatory pathways to postoperative complications, *Int J Mol Sci*, 2025, 26(15): art. no 7150. IF=4.9 (Review Q1)
2. Huzum B, Lungu II, Alexa O, Sirbu PD, Cionca VD, Corciova A, Lungu A, Hancianu M, Serban IL, Cioanca O. Nanotechnology in osteogenesis and inflammation management: metal-organic frameworks, metal complexes, and biomaterials for bone restoration, *Biomedicines*, 2025, 13(7): art. no 1597. IF=3.9 (Review Q1)
3. Misca OM, Misca LC, Huzum B (primul autor corespondent), Neamtu AA, Cerbu S, Chioibas DR, Crainiceanu PZ, Motoc AGM. A prospective randomized pilot study on the efficacy of a dietary supplementation regimen of vitamin e and selenium for the prevention of fluoroquinolone-induced tendinopathy, *Pharmaceutics*, 2025, 18(4): art. no 575. IF=4.8 (Article Q1)
4. Badulescu OV, Ciocoiu M, Vladeanu MC, Huzum B (unicul autor corespondent), Plesoianu CE, Iliescu-Halitchi D, Bojan A, Iliescu-Halitchi C, Bojan IB. The role of platelet dysfunctions in the pathogenesis of the hemostatic-coagulant system imbalances, *Int J Mol Sci*, 2025, 26(6): art. no 2756. IF=4.9 (Review Q1)
5. Huzum B, Aprotosoiaie AC, Alexa O, Sirbu PD, Puha B, Veliceasa B, Huzum RM. Antimicrobials in orthopedic infections: overview of clinical perspective and microbial resistance, *Med Lith*, 2024, 60(12): art. no 1988. IF=2.4 (Review Q1)
6. Huzum RM, Huzum B (contribuție egală cu primul autor), Hinganu MV, Lozneanu L, Lupu FC, Hinganu D. Insights into vascular changes in hip degenerative disorders: an observational study, *J Clin Med*, 2025, 14(16): art. no 5845. IF=2.9 (Article Q1)
7. Huzum RM, Huzum B (contribuție egală cu primul autor), Hinganu MV, Lozneanu L, Lupu FC, Hinganu D. Immunohistochemical and ultrastructural study of the degenerative processes of the hip joint capsule and acetabular labrum, *Diagnostics*, 2025, 15(15): art. no 1932. IF=3.3 (Article Q1)
8. Badulescu OV, Sirbu PD, Ciocoiu M, Vladeanu MC, Plesoianu CE, Bojan A, Iliescu-Halitchi D, Tudor R, Huzum B, Sirbu MT, Forna N, Sofron G, Friedl W, Bararu-Bojan I. Venous thromboembolism prophylaxis in hemophilic patients undergoing total hip or knee arthroplasty: insights from a single-center experience, *Med Lith*, 2025, 61(4): art. no 570. IF=2.4 (Article Q1)
9. Huzum B, Antoniu S, Dragomir R. Treatment of fibrous dysplasia: focus on denosumab, *Expert Opin Biol Ther*, 2022, 22(3): 397-405. IF=4.6 (Review Q2)
10. Huzum B, Puha B, Necoara RM, Gheorghevi S, Puha G, Filip A, Sirbu PD, Alexa O. Biocompatibility assessment of biomaterials used in orthopedic devices: an overview (review), *Exp Ther Med*, 2021, 22(5): art. no 1315. IF=2.751 (Review Q4)

B. Teza de doctorat

1. “Disfuncția endotelială: mecanisme compensatorii și protectoare antioxidante”, conducător de doctorat prof. univ. dr. Șerban Ionela-Lăcrămioara, Ordinul Ministrului Educației nr. 6600/2023.

C. Cărți și capitole în cărți

1. Ovidiu Alexa, Claudiu Carp, Tudor Cozma, Alexandru Filip, Bogdan Huzum, Dragos Popescu, Bogdan Puha, Bogdan Veliceasa. *Caiet de lucrări practice de traumatologie osteo-articulara*, Editura „Gr. T. Popa”, Iași, 2023, ISBN 978-606-544-959-6, 159 pag.

B. Articole/studii in extenso publicate în reviste din fluxul științific internațional principal

Articole cotate JCR, Clarivate – autor principal

1. Scripcariu DV, Huzum B, Mircea C, Tesoi DF, Badulescu OV. Systemic impact of platelet activation in abdominal surgery: from oxidative and inflammatory pathways to postoperative complications, *Int J Mol Sci*, 2025, 26(15): art. no 7150. IF=4.9 (Review Q1)
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3. Misca OM, Misca LC, Huzum B, Neamtu AA, Cerbu S, Chioibas DR, Crainiceanu PZ, Motoc AGM. A prospective randomized pilot study on the efficacy of a dietary supplementation regimen of vitamin e and selenium for the prevention of fluoroquinolone-induced tendinopathy, *Pharmaceuticals*, 2025, 18(4): art. no 575. IF=4.8 (Article Q1)
4. Badulescu OV, Ciocoiu M, Vladeanu MC, Huzum B, Plesoianu CE, Iliescu-Halitchi D, Bojan A, Iliescu-Halitchi C, Bojan IB. The role of platelet dysfunctions in the pathogenesis of the hemostatic-coagulant system imbalances, *Int J Mol Sci*, 2025, 26(6): art. no 2756. IF=4.9 (Review Q1)
5. Huzum B, Aprotosoiaie AC, Alexa O, Sirbu PD, Puha B, Veliceasa B, Huzum RM. Antimicrobials in orthopedic infections: overview of clinical perspective and microbial resistance, *Med Lith*, 2024, 60(12): art. no 1988. IF=2.4 (Review Q1)
6. Huzum B, Chirila I, Veliceasa B, Puha B, Costache AD, Filip A, Morariu BA, Huzum RM, Lupu A, Sirbu D, Serban IL, Alexa O. Weight loss and nutritional status in young and middle-aged adults: rational approach and health implications, *Med-Surg J*, 2023, 127(3): 458-473. IF=0.1 (Article Q4)
7. Huzum B, Serban DN, Tudorancea I, Iliescu R, Galaction A, Serban IL. Ascorbate inhibits the endothelium-dependent hyperpolarization mediated relaxation in resistance arteries, *Farmacia*, 2022, 70(4): 738-741. IF=1.6 (Article Q4)
8. Huzum B, Curpan AS, Puha B, Serban DN, Veliceasa B, Necoara RM, Alexa O, Serban IL. Connections between orthopedic conditions and oxidative stress: current perspective and the possible relevance of other factors, such as metabolic implications, antibiotic resistance, and covid-19, *Med Lith*, 2022, 58(3): art. no 439. IF=2.6 (Article Q3)
9. Huzum B, Serban DN, Tudorancea I, Iliescu R, Serban IL. Kv potassium channels and relaxation of rat small mesenteric arteries by hydrogen peroxide, *Med-Surg J*, 2022, 126(4): 551-556. IF=0.1 (Article Q4)
10. Huzum B, Antoniu S, Dragomir R. Treatment of fibrous dysplasia: focus on denosumab, *Expert Opin Biol Ther*, 2022, 22(3): 397-405. IF=4.6 (Review Q2)
11. Huzum B, Puha B, Necoara RM, Gheorghevi S, Puha G, Filip A, Sirbu PD, Alexa O. Biocompatibility assessment of biomaterials used in orthopedic devices: an overview (review), *Exp Ther Med*, 2021, 22(5): art. no 1315. IF=2.751 (Review Q4)

Articole cotate JCR, Clarivate – coautor

1. Huzum RM, Huzum B, Hinganu MV, Lozneau L, Lupu FC, Hinganu D. Insights into vascular changes in hip degenerative disorders: an observational study, *J Clin Med*, 2025, 14(16): art. no 5845. IF=2.9 (Article Q1)
2. Huzum RM, Huzum B, Hinganu MV, Lozneau L, Lupu FC, Hinganu D. Immunohistochemical and ultrastructural study of the degenerative processes of the hip joint capsule and acetabular labrum, *Diagnostics*, 2025, 15(15): art. no 1932. IF=3.3 (Article Q1)
3. Pinzariu AC, Moscalu R, Soroceanu RP, Maranduca MA, Drochioi IC, Vlasceanu VI, Timofeiov S, Timofte DV, Huzum B, Moscalu M, Serban DN, Serban IL. The therapeutic use and potential of mscs: advances in regenerative medicine, *Int J Mol Sci*, 2025, 26(7): art. no 3084. IF=4.9 (Review Q1)
4. Badulescu OV, Sirbu PD, Ciocoiu M, Vladeanu MC, Plesoianu CE, Bojan A, Iliescu-Halitchi D, Tudor R, Huzum B, Sirbu MT, Forna N, Sofron G, Friedl W, Bararu-Bojan I. Venous thromboembolism prophylaxis in hemophilic patients undergoing total hip or knee arthroplasty: insights from a single-center experience, *Med Lith*, 2025, 61(4): art. no 570. IF=2.4 (Article Q1)
5. Pinzariu AC, Maranduca MA, Arsene C, Clim A, Popa IP, Filip N, Moscalu R, Soroceanu RP, Timofte DV, Moscalu M, Huzum B, Serban DN, Serban IL. Mesenchymal stem cells in cardiovascular pharmacotherapy: amechanisms, clinical applications, and future perspectives, *Farmacia*, 2025, 73(2): 265-273. IF=1.3 (Review Q4)
6. Pertea M, Luca S, Tatar R, Huzum B, Ciofu M, Porocho V, Palade DO, Vrinceanu D, Balan M, Grosu OM. Multidisciplinary approach in rare, fulminant-progressing, and life-threatening facial necrotizing fasciitis, *Infect Dis Rep*, 2024, 16(6): 1045-1054. IF=2.4 (Article Q3)
7. Bararu-Bojan I, Badulescu OV, Badescu MC, Vladeanu MC, Plesoianu CE, Bojan A, Iliescu-Halitchi D, Tudor R, Huzum B, Frasinariua OE, Ciocoiu M. New insights into the pathophysiology of coronary artery aneurysms, *Diagnostics*, 2024, 14(19): art. no 2167. IF=3.3 (Review Q1)
8. Badulescu OV, Scripcariu DV, Badescu MC, Ciocoiu M, Vladeanu MC, Plesoianu CE, Bojan A, Iliescu-Halitchi D, Tudor R, Huzum B, Frasinariu OE, Bararu-Bojan I. Biomarkers involved in the pathogenesis of hemophilic arthropathy, *Int J Mol Sci*, 2024, 25(18): art. no 9897. IF=4.9 (Review Q1)
9. Badulescu OV, Scripcariu DV, Badescu MC, Ciocoiu M, Vladeanu MC, Plesoianu CE, Bojan A, Iliescu-Halitchi D, Tudor R, Huzum B, Bojan IB. Debates surrounding the use of antithrombotic therapy in

- hemophilic patients with cardiovascular disease: best strategies to minimize severe bleeding risk, *Int J Mol Sci*, 2024, 25(14): art. no 7845. IF=4.9 (Review Q1)
10. Huzum RM, Hinganu MV, Huzum B, Hinganu D. Advances in molecular research on hip joint impingement-a vascular perspective, *Biomolecules*, 2024, 14(7): art. no 784. IF=4.8 (Review Q1)
 11. Clim A, Maranduca MA, Pinzariu AC, Faur IF, Huzum B, Hancianu M, Szilagyi A, Tamba BI, Serban DN, Serban IL. Dosage of streptozotocin for inducing models of diabetes mellitus in obesity rats with endothelial dysfunction, *Farmacia*, 2024, 72(2): 448-455. IF=1.3 (Article Q4)
 12. Adam G, Cojocaru FD, Verestiuc L, Cioanca O, Vasilache IA, Adam AM, Mircea C, Nechita A, Harabor V, Huzum B, Harabor A, Hancianu M. Assessing the antioxidant properties, in vitro cytotoxicity and antitumoral effects of polyphenol-rich perilla leaves extracts, *Antioxidants*, 2024, 13(1): art. no 58. IF=6.6 (Article Q1)
 13. Huzum RM, Huzum B, Gheorghe L, Hinganu MV, Ursulescu CL, Mitrea M, Hinganu D. Cardiovascular pattern in hip osteoporosis etiopathogeny- a silent dental risk -, *Rom J Oral Rehabil*, 2024, 16(1): 128-142. IF=1.1 (Article Q3)
 14. Dmour BA, Costache AD, Dmour A, Huzum B, Duca ST, Chetran A, Miftode R, Afrasanie I, Tuchilus C, Cianga CM, Botnariu G, Serban LI, Ciocoiu M, Badescu CM, Costache II. Could endothelin-1 be a promising neurohormonal biomarker in acute heart failure?, *Diagnostics*, 2023, 13(13): art. no 2277. IF=3 (Review Q1)
 15. Maranduca MA, Clim A, Pinzariu AC, Statescu C, Sascau RA, Tanase DM, Serban DN, Branisteanu DC, Branisteanu DE, Huzum B, Serban IL. Role of arterial hypertension and angiotensin ii in chronic kidney disease (review), *Exp Ther Med*, 2023, 25(4): art. no 153. IF=2.4 (Review Q3)
 16. Cretu A, Ghiciuc CM, Mitrofan EC, Ciubotariu D, Hunea IM, Huzum B, Mitrofan C. Antibiotic treatment and bacterial flora in sputum in chronic pulmonary disease exacerbations, *Med-Surg J*, 2023, 127(4): 559-564. IF=0.1 (Article Q4)
 17. Chetran A, Costache AD, Ciongradi CI, Duca ST, Mitu O, Sorodoc V, Cianga CM, Tuchilus C, Mitu I, Mitea RD, Badescu MC, Afrasanie I, Huzum B, Moisa SM, Prepeliuc CS, Roca M, Costache II. Ecg and biomarker profile in patients with acute heart failure: a pilot study, *Diagnostics*, 2022, 12(12): art. no 3037. IF=3.6 (Article Q2)
 18. Costache AD, Leon-Constantin MM, Roca M, Mastaleru A, Anghel RC, Zota IM, Drugescu A, Costache II, Chetran A, Moisa SM, Huzum B, Mitu O, Cumpat C, Honceriu C, Mitu F. Cardiac biomarkers in sports cardiology, *J Cardiovasc Dev Dis*, 2022, 9(12): art. no 453. IF=2.4 (Review Q3)
 19. Veliceasa B, Perteza M, Popescu D, Carp CA, Pinzaru R, Huzum B, Alexa O, Strobescu-Ciobanu C, Filip A. Floating-dislocated elbow in adults: case reports and literature review, *Medicine (Baltimore)*, 2022, 101(39): art. no e30891. IF=1.6 (Article Q3)
 20. Perteza M, Filip A, Huzum B, Lunca S, Carp C, Mitrea M, Toader P, Luca S, Moraru DC, Poroach V, Veliceasa B. Schwannoma of the upper limb: retrospective study of a rare tumor with uncommon locations, *Diagnostics*, 2022, 12(6): art. no 1319. IF=3.6 (Article Q2)
 21. Filip A, Veliceasa B, Puha B, Filip N, Cojocaru E, Perteza M, Carp CA, Huzum B, Alexa O, Rommens PM. Pain intensity and degree of disability after fragility fractures of the pelvis, *Med Lith*, 2022, 58(4): art. no 477. IF=2.6 (Article Q3)
 22. Caba B, Gardikiotis I, Topala I, Mihaila I, Mihai CT, Luca C, Pasca S, Caba IC, Dimitriu G, Huzum B, Serban IL. Cold atmospheric plasma, platelet-rich plasma, and nitric oxide synthesis inhibitor: effects investigation on an experimental model on rats, *Appl Sci-Basel*, 2022, 12(2): art. no 590. IF=2.7 (Article Q2)
 23. Ion A, Stafie C, Mitu O, Ciobanu CE, Halitchi DI, Costache AD, Bobric C, Troase R, Mitu I, Huzum B, Duca ST, Costache II. Biomarkers utility: at the borderline between cardiology and neurology, *J Cardiovasc Dev Dis*, 2021, 8(11): art. no 139. IF=4.415 (Review Q2)
 24. Morariu ID, Avasilcai L, Vieriu M, Lungu II, Huzum B, Marin DB, Serban L, Hancianu M, Cioanca O. Experimental study on the influence of sulfonamide drug residues from honey on biochemical parameters in lab rats, *Farmacia*, 2020, 68(3): 470-475. IF=1.433 (Article Q4)
 25. Constantin M, Serban DN, Pricop C, Huzum B, Serban IL. Extracellular mg2+ level affects the major mechanism of endothelium-dependent relaxation in resistance arteries, *Farmacia*, 2019, 67(5): 888-891. IF=1.607 (Article Q4)
 26. Serban R, Badescu C, Filip A, Cobzeanu MD, Badescu M, Butnaru C, Huzum B, Filip C. The cat and sod activities in patients with chronic suppurative otitis media, *Farmacia*, 2018, 66(6): 984-988. IF=1.527 (Article Q4)

Articole indexate BDI – autor principal

1. Huzum B, Serban DN, Tudorancea I, Iliescu R, Serban IL. Kv potassium channels and relaxation of rat small mesenteric arteries by hydrogen peroxide, Med-Surg J, 2022, 126(4): 551-556 (ESCI-WSCC)
2. Necoara RM, Huzum B, Hinganu MV, Zenovia S, Hinganu D. Pelvic asymmetry as a possible etiopathogenic factor of osteoporosis, Rev Rom Anat Funct Clin Macro Microsc Antropol, 2021, 20(3): 177-184 (Index Copernicus, DOAJ, EBSCO)
3. Huzum B, Dima N, Ganceanu-Rusu AR, Parlapan A, Clim A, Lazar C, Hiliteanu R, Serban IL. Myocardial ischemia and components of oxidative stress in diabetes - an accidental association? case report and literature review, Med-Surg J, 2020, 124(4): 579-586 (ESCI-WSCC)
4. Clim A, Huzum B, Ganceanu-Rusu AR, Dima N, Lazar C, Hiliteanu R, Serban IL. Fatigability - from concept to clinical profile. case report, Med-Surg J, 2020, 124(4): 572-578 (ESCI-WSCC)
5. Lungu II, Huzum B, Humulescu IA, Cioanca O, Morariu D, Serban IL, Hancianu M. Flavonoids as promising therapeutic and dietary agents, Med-Surg J, 2020, 124(1): 151-156 (ESCI-WSCC)

Articole indexate BDI – coautor

1. Filip A, Perteu M, Moraru DC, Huzum B, Carp C, Veliceasa B. Mechanical Testing Following the Application of Polymers on Different Types of Screws Used to Fix Osteoporotic Bone, 2021 International Conference on E-Health and Bioengineering (EHB 2021), 9th edition, 2021
2. Moraru DC, Filip A, Huzum B, Carp C, Veliceasa B. Negative Pressure Wound Therapy (NPWT) - a Device Used Successfully in the Management of Wounds with Various Etiologies, 2021 International Conference on E-Health and Bioengineering (EHB 2021), 9th edition, 2021
3. Caba B, Gardikiotis I, Strobescu-Ciobanu C, Teodor MC, Dimitriu G, Caba IC, Huzum B, Serban IL. Clinical and echographic evaluation of the effects of epinephrine and platelet-rich plasma solution on modified mcfarlane skin flap in rats, Med-Surg J, 2019, 123(2): 319-327 (ESCI-WSCC)
4. Costache II, Gusa L, Fotea V, Costache AD, Huzum B, Aursulesei V, Petris AO, Iliescu D, Hinganu D. What can hide behind a deep venous thrombosis? case report, Med-Surg J, 2018, 122(4): 705-710 (ESCI-WSCC)

C. Alte lucrări și contribuții științifice

Participare la stagii de perfecționare

1. Stagiu de pregătire în Ortopedie -Traumatologie, martie-aprilie 2025, Departamentul de Ortopedie, Universitatea Semmelweis, Budapesta, Ungaria

Participare la manifestări științifice (cursuri și conferințe)

1. XXIst SOROT Congress 2025, 23-25 octombrie, 2025, Poiana Brasov, Romania
2. Foot and Ankle Course, 29-30 mai, 2025 Iasi. Romania
3. XXst SOROT Conference 2024, 1-2 noiembrie, 2024, Poiana Brasov, Romania
4. SRATS Congress, 26-27 aprilie 2024, Braşov, Romania
5. AIOD Locking Nailing courses for surgeons, 27-28 septembrie, 2023, Strasbourg, Franța
6. Cursul Chirurgia gleznei și piciorului, 8-9 iulie, 2023, Iași, România
7. AO Trauma Blended Course - Advanced Principles of Fracture Management, 19-20 mai, 2023, Sinaia, România
8. Zilele Spitalului Clinic de Recuperare Iași, 27 martie-1 aprilie, 2023, Iași, România
9. AO Trauma Blended Course – Basic Principles of Fracture Management, 27-28 mai, 2021, Timișoara, România
10. AO Trauma Seminar – Fractures of the Hip and Femur, ROADSHOW, 5 noiembrie, 2021, Chișinău, Republica Moldova
11. International Conference on e-Health and Bioengineering (EHB), 18-19 november, 2021, Iasi, România
12. Conferința ATOM 2019, 14-15 iunie, Constanța, România

Data,

12.01.2026

Asist. univ. dr. Huzum Bogdan

