

## Lista publicații științifice

### Articole în calitate de prim autor

1. Butiulca M., Farczadi L., Imre S., Vari C.E., Vlase L., Azamfirei L., Lazar A.E. Evaluation of Ropivacaine and 3-OH-Ropivacaine Pharmacokinetics Following Interpectoral Nerve Block via LC-MS/MS – A Pilot Study. International Journal of Molecular Sciences, 2025, 26(14), 6696. <https://doi.org/10.3390/ijms26146696> [Premiul Special „Academician Prof. Dr. George Litarczek”, SRATI 2026]
2. Butiulca M., Farczadi L., Vari C.E., Imre S., Azamfirei L., Lazar A. The Study of Ropivacaine Pharmacokinetics in a Clinical Setting: A Critical Scoping Review from the Perspective of Analytical Methodologies. International Journal of Molecular Sciences, 2024, 25(24), 13487. <https://doi.org/10.3390/ijms252413487>
3. Butiulca M., Farczadi L., Veres M., Azamfirei L. Analytical Methods for Melatonin Quantification: Advances, Challenges, and Clinical Applications. Pharmaceuticals, 2026, 19(3), 439. <https://doi.org/10.3390/ph19030439>
4. Butiulca M., Stoica Buracinschi F., Lazar A. Ultrasound-Guided PECS II Block Reduces Periprocedural Pain in Cardiac Device Implantation: A Prospective Controlled Study. Medicina, 2025, 61(8), 1389. <https://doi.org/10.3390/medicina61081389>
5. Butiulca M., Farczadi L., Lazar A. Technique Presentation: The Combination of Pectoralis and Serratus Plane Nerve Blocks for Cardiac Implantable Devices. Acta Marisiensis – Seria Medica, 2024, 70(4), 223–226. <https://doi.org/10.2478/amma-2024-0038>
6. Butiulca M., Farczadi L., Imre S., Vari C.E., Vlase L., Cordos B., Azamfirei L., Lazar A.E. LC-MS/MS Assisted Pharmacokinetic and Tissue Distribution Study of Ropivacaine and 3-OH-Ropivacaine on Rats after Plane Block Anesthesia. Frontiers in Pharmacology, 2025, 15, 1494646. <https://doi.org/10.3389/fphar.2024.1494646>
7. Butiulca M., Farczadi L., Vari C.E., Imre S., Pui M., Lazar A. LC-MS/MS Assisted Biomonitoring of Ropivacaine and 3-OH-Ropivacaine after Plane Block Anesthesia for Cardiac Device Implantation. Frontiers in Molecular Biosciences, 2023, 10, 1243103. <https://doi.org/10.3389/fmolb.2023.1243103> [Locul II – lucrarea cu cel mai mare factor de impact, Școala Doctorală IOSUD UMFST, 2024]

### Articole în calitate de coautor

8. Challenges of the Regional Anesthetic Techniques in Intensive Care Units – A Narrative Review. The Journal of Critical Care Medicine, 10(3), 198.
9. Too Late to Reverse: An Atypical Postpartum Case of Acute Necrotizing Pancreatitis with Refractory ARDS despite ECMO Support. Life, 15(9), 1347.
10. Neutrophil-to-Lymphocyte Ratio and Thrombocyte-to-Lymphocyte Ratio as Predictors of Severe and Moderate/Mild Acute Respiratory Distress Syndrome: Preliminary Results. The Journal of Critical Care Medicine, 10(1), 49.
11. Pharmacological Management of Intraoperative Hypertensive Crises in Pheochromocytoma: A Narrative Review. Acta Marisiensis – Seria Medica, 71(3).
12. Pneumothorax Associated with Septic Shock due to Mesenteric Infarction: A Case Report. Journal of Clinical and Medical Images, Case Reports, 4(6).
13. Butiulca M., Lazar A. Efficacy of Transversus Abdominis Plane Block in Pain Control after General Abdominal Surgery – A Short Review of the Literature. Acta Marisiensis – Seria Medica, 2021, 67(3), 137–142. <https://doi.org/10.2478/amma-2021-0028>

### Capitole de carte

- **Butiulca M., Lazar A.E., Frandes O.** Anestezicele Locale. Capitol de carte, University Press Târgu Mureș, 2024. (Autor principal de capitol)
- Contribuție la cartea „**Anestezie și Terapie Intensivă**”, editor Prof. Dr. Leonard Azamfirei, University Press: am redactat 1 capitol original (Disfuncția Neurologică) și am contribuit la traducerea a 6 capitole pentru ediția în limba engleză a lucrării.