



Lista de lucrări științifice

Subsemnatul, Parajdi Lorand Gabriel, declar că sunt autor și coautor al următoarelor lucrări științifice:

1. **L.G. Parajdi, R. Precup and I.Ș. Haplea**, *A method of lower and upper solutions for control problems and application to a model of bone marrow transplantation*. International Journal of Applied Mathematics and Computer Science 33(3), 409-418; 2023.
2. **L.G. Parajdi, F. Pătrulescu, R. Precup and I.Ș. Haplea**, *Two numerical methods for solving a nonlinear system of integral equations of mixed Volterra-Fredholm type arising from a control problem related to leukemia*. Journal of Applied Analysis & Computation 13(4), 1797-1812; 2023.
3. **I.Ș. Haplea, L.G. Parajdi and R. Precup**, *On the controllability of a system modeling cell dynamics related to leukemia*. MDPI Symmetry 13(10), 1867; 2021.
4. **L.G. Parajdi, R. Precup, M.-A. Șerban and I.Ș. Haplea**, *Analysis of the effectiveness of the treatment of solid tumors in two cases of drug administration*. Mathematical Biosciences and Engineering 18(2), 1845-1863; 2021.
5. **L.G. Parajdi, R. Precup, E.A. Bonci and C. Tomuleasa**, *A mathematical model of the transition from the normal hematopoiesis to the chronic and accelerated-acute stages in myeloid leukemia*, MDPI Mathematics 8(3):376; 2020.
6. **L.G. Parajdi, R. Precup, D. Dima, V. Moisoiu and C. Tomuleasa**, *Theoretical basis of optimal therapy for individual patients in chronic myeloid leukemia. A mathematical approach*, Taylor & Francis Journal of Interdisciplinary Mathematics 23(3), 669-690; 2020.
7. **L.G. Parajdi**, *Stability of the equilibria of a dynamic system modeling stem cell transplantation*, Springer Ricerche di Matematica 69(2), 579-601; 2020.

8. **V. Moisoiu, P. Teodorescu, L. Parajdi, S. Pasca, M. Zdrenghea, D. Dima, R. Precup, C. Tomuleasa and S. Soverini**, *Assessment of measurable residual disease in chronic myeloid leukemia. BCR-ABL1 IS in the avant-garde of molecular hematology*, *Frontiers in Oncology* 9:863; 2019.
9. **L.G. Parajdi and R. Precup**, *Analysis of a planar differential system arising from hematology*. *Studia Universitatis Babeş-Bolyai Mathematica* 63(2), 235-244; 2018.
10. **L. Parajdi**, *Modeling the treatment of tumor cells in a solid tumor*. *Journal of Nonlinear Science and Applications* 7(3), 188-195; 2014.

De asemenea, sunt autor și coautor al următoarelor cărți și capitole de cărți:

1. **L.G. Parajdi**, *Analysis of Some Mathematical Models of Cell Dynamics in Hematology*. Casa Cărții de Știință, Cluj-Napoca, 2021.
2. **R. Precup, D. Dima, C. Tomuleasa, M.-A. Șerban and L.G. Parajdi**, *Theoretical models of hematopoietic cell dynamics related to bone marrow transplantation*, In *Frontiers in Stem Cell and Regenerative Medicine Research*, Bentham Science Publishers-Sharjah 8:202-241; 2018.

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Semnătura: