Lista de lucrări
Lect. univ. Dr. Claudia-Luminița Mihiț

I. Teza de doctorat

Concepte de splitting pentru cocicli de evoluție în spații Banach, Universitatea de Vest din Timișoara, coordonator științific: Prof. univ. Dr. Bogdan Sasu

II. Articole publicate în reviste din fluxul ştiinţific internaţional principal

II.1. Articole publicate în reviste/volume indexate ISI/ Web of Science

1. **C. L. Mihiţ**, G. Moţ, G. Petruşel, *New contributions to common fixed point theory in vector metric spaces*, Appl. Anal. Discrete Math. 19 (2025), 548–558.

2. G. Moţ, **C. L. Mihiţ**, *Stability Properties for Multi-Valued Contractions in Complete Vector-Valued B-Metric Spaces*, Mathematics 13 (2025), 3069.

3. **C. L. Mihiț,** *On uniform polynomial trichotomy of skew-evolution semiflows,* Carpathian Journal of Mathematics 38 (2022), No. 3, 809-816.

4. **C. L. Mihiț,** G. Moț, A. Petrușel, *Fixed Point Theory for Multi-Valued Feng-Liu-Subrahmanyan Contractions*, Axioms 11 (2022), No. 10, 1-9.

5. **C. L. Mihiț,** G. Moț, G. Petrușel, *Ćirić-Type Operators and Common Fixed Point Theorems*, Mathematics 10 (2022), 1947.

6. L. E. Biriș, T. Ceaușu, **C. L. Mihiț**, I.-L. Popa, *Uniform exponential trisplitting-A new criterion for discrete skew-product semiflows*, Electronic Journal of Qualitative Theory of Differential Equations 70 (2019), 1-22.

7. **C. L. Mihiț**, M. Lăpădat, *Discrete criteria for the uniform (h,k)-splitting of skew-evolution semiflows*, AIP Conference Proceedings, vol. 1978 (2018), Article No. 390011-1, 1-4.

8. **C. L. Mihiț**, M. Megan, *Integral characterizations for the (h,k)-splitting of skew-evolution semiflows*, Studia Universitatis Babeș-Bolyai Mathematica 62 (2017), No. 3, 353-365.

9. **C. L. Mihiț**, M. Megan, T. Ceaușu, *The equivalence of Datko and Lyapunov properties for (h,k)-trichotomic linear discrete-time systems*, Discrete Dynamics in Nature and Society, vol. 2016, Article ID 3700262, 1-8.

10. **C. L. Mihiț**, D. Borlea, *On some concepts of exponential stability for skew-evolution semiflows*

in Banach spaces, Proceedings of 11th IEEE International Symposium on Applied Computational Intelligence and Informatics, Timișoara, May 12-14, 2016, România, 167-172.

11. P. Preda, **C. L. Mihiț**, *Discrete Lyapunov theory for evolution families*, Acta Mathematica Universitatis Comenianae 84 (2015), no. 1, 149-166.

II.2. Articole publicate în reviste de specialitate indexate BDI

1. **C. L. Mihiț**, G. Moț, *Nonuniform generalized exponential dichotomies concepts for skew-evolution semiflows*, Theory and Applications of Mathematics & Computer Science 10 (2025), 24-31.

2. **C. L. Mihiț**, *On uniform logarithmic dichotomy of discrete skew-evolution semiflows*, Analele Universității de Vest din Timișoara, Seria Matematică-Informatică 58 (2022), fasc. 2, 49-55.

3. L. E. Biriș, T. Ceaușu, **C. L. Mihiț**, *On uniform exponential splitting of variational nonautonomous difference equations in Banach spaces*, Difference Equations, Discrete Dynamical Systems and Applications, Springer Proceedings in Mathematics & Statistics, vol. 287 (2019), 199-213.

4. M. Megan, **C. L. Mihiț**, R. Lolea, *On splitting with different growth rates for linear discrete-time systems in Banach spaces*, Difference Equations, Discrete Dynamical Systems and Applications, Springer Proceedings in Mathematics & Statistics, vol. 287 (2019), 351-368.

5. **C. L. Mihiț**, *On some nonuniform dichotomic behaviors of discrete skew-product semiflows*, Theory and Applications of Mathematics & Computer Science 9 (2019), 1-7.

6. L. E. Biriș, **C. L. Mihiț**, T. Ceaușu, I. L. Popa, *On uniform exponential trisplitting for cocycles of linear operators in Banach spaces*, Analele Universității de Vest din Timișoara, Seria Matematică-Informatică 56 (2018), fasc. 2, 81-103.

7. L. E. Biriș, T. Ceaușu, **C. L. Mihiț**, *On uniform exponential splitting for cocycles of linear operators in Banach spaces*, Annals of the Academy of Romanian Scientists, Series on Mathematics and its Applications 10 (2018), 110-127.

8. L. E. Biriș, T. Ceaușu, **C. L. Mihiț**, I. L. Popa, *On uniform exponential trisplitting of discrete skew-product semiflows*, Electronic Notes in Discrete Mathematics 67 (2018), 91-96.

9. G. Moț, **C. L. Mihiț**, *On Orthogonal Polynomials*, Theory and Applications of Mathematics & Computer Science, 8(2), (2018), 135-142.

10. **C. L. Mihiț**, *Lyapunov functionals for skew-evolution semiflows in Banach spaces*, Buletinul Științific al Universității Politehnica din Timișoara, Seria Matematică-Fizică 63 (2018), 49-57.

11. **C. L. Mihiț**, D. Borlea, M. Megan, *On some concepts of (h,k)-splitting for skew-evolution semiflows in Banach spaces*, Annals of the Academy of Romanian Scientists, Series on Mathematics and its Applications 9 (2017), 186-204.

12. **C. L. Mihiț**, M. Lăpădat, *On uniform polynomial dichotomy of skew-evolution semiflows on the half-line*, Buletinul Științific al Universității Politehnica din Timișoara, Seria Matematică-Fizică 62 (2017), 54-61.

13. **C. L. Mihiț**, *On uniform h-stability of evolution operators in Banach spaces*, Theory and Applications of Mathematics & Computer Science 6 (2016), 19-27.

14. **C. L. Mihiț**, C. Stoica, M. Megan, *On uniform exponential splitting for noninvertible evolution operators in Banach spaces*, Analele Universității de Vest din Timișoara, Seria Matematică-Informatică 53 (2015), fasc. 2, 121-131.

15. M. I. Kovacs, M. Megan, **C. L. Mihiț**, *On (h,k)-dichotomy and (h,k)-trichotomy of noninvertible evolution operators in Banach spaces*, Analele Universității de Vest din Timișoara, Seria Matematică- Informatică 52 (2014), fasc. 2, 127-143.

III. Articole publicate în volume ale unor conferințe internaționale

1. M. Aldescu, **C. L. Mihiț**, *On input-output techniques for the stability of evolution families*, Proceedings of the International Symposium "Research and Education in Innovation Era", Section Mathematics & Computer Science, 7th Edition, "Aurel Vlaicu" University of Arad Publishing House (2018), 85-92.

2. **C. L. Mihiț**, *Notions of splitting type for skew-evolution semiflows in Banach spaces*, Proceedings of the 15th International Conference on Mathematics and its Applications, Timișoara, 1-3 noiembrie 2018, 105-113.

3. **C. L. Mihiț**, R. Lolea, *Lyapunov functions for trichotomy with different growth rates*, Proceedings of the 8th International Conference on Theory and Applications in Mathematics and Informatics, Alba Iulia, 17-20 septembrie 2015, 77-93.

4. **C. L. Mihiț**, M. Megan, *On uniform exponential dichotomy of skew-evolution semiflows in Hilbert spaces*, Proceedings of the International Symposium "Research and Education in Innovation Era", Section Mathematics & Computer Science, 6th Edition, "Aurel Vlaicu" University of Arad Publishing House (2016), 30-37.

IV. Cărți

1. G. Moț, **C. L. Mihiț**, *Algebra. Seminar and course support*, "Aurel Vlaicu" Univ. Publishing House Arad, 2019, 162 pagini, ISBN: 978-973-752-809-4.

V. Participări la conferințe internaționale

1. **C. L. Mihiț**, *On some nonuniform dichotomic behaviors of discrete skew-product semiflows*, ISREIE 2019 - International Symposium "Research and Education in Innovation Era", Section Mathematics & Computer Science, 8th Edition, "Aurel Vlaicu" University of Arad, 23-25 mai 2019, România.

2. L. E. Biriș, T. Ceaușu, **C. L. Mihiț**, I.-L. Popa, *Uniform exponential trisplitting - A new criterion for discrete skew-product semiflows*, 2nd IMA Conference on Theoretical and Computational Discrete Mathematics, Derby, 14-15 septembrie 2018, United Kingdom.

3. **C. L. Mihiț**, *On some splitting concepts for cocycles of linear operators in Banach spaces*, OT 27- 27th International Conference in Operator Theory, Timișoara, 2-6 iulie 2018, România.

4. L. E. Biriș, T. Ceaușu, **C. L. Mihiț**, I.-L. Popa, *On uniform exponential trisplitting of discrete skew-product semiflows*, MACOS 2018- International Conference on Mathematics and Computer Science, 3rd Edition, Brașov, 14-16 iunie 2018, România.

5. **C. L. Mihiț**, *Notions of splitting type for skew-evolution semiflows in Banach spaces*, ICMA 2018- The 15th International Conference on Mathematics and its Applications, Politehnica University of Timișoara, 1-3 noiembrie 2018, România.

6. M. Aldescu, **C. L. Mihiț**, *On input-output techniques for the stability of evolution families*, ISREIE 2018- International Symposium "Research and Education in Innovation Era", Section Mathematics & Computer Science, 7th Edition, "Aurel Vlaicu" University of Arad, 17-20 mai 2018, România.

7. **C. L. Mihiț**, R. Lolea, M. Megan, *On splitting with different growth rates for linear discrete-time systems in Banach spaces*, ICDEA 2017- 23rd International Conference on Difference Equations and Applications, Timișoara, 24-28 iulie 2017, România.

8. L. Biriș, T. Ceaușu, **C. L. Mihiț**, *On uniform exponential splitting of variational nonautonomous difference equations in Banach spaces*, ICDEA 2017- 23rd International Conference on Difference Equations and Applications, Timișoara, 24-28 iulie 2017, România.

9. M. Megan, **C. L. Mihiț**, D. Borlea, *Nonuniform asymptotic properties of skew-evolution semiflows with growth rates on the half-line*, CSM- The 4th Conference of PhD Students in Mathematics, Szeged, 27-29 iunie 2016, Ungaria.

10. **C. L. Mihiț**, *Asupra comportărilor asimptotice ale sistemelor dinamice discrete cu diverse rate de creștere*, Conferința "Diaspora în Cercetarea Științifică și Învățământul Superior din România- Diaspora și prietenii săi", Timișoara, 25-28 aprilie 2016, România.

11. **C. L. Mihiț**, D. Borlea, *On some concepts of exponential stability for skew-evolution semiflows in Banach spaces*, SACI 2016- 11th Jubilee IEEE International Symposium on Applied Computational Intelligence and Informatics, Timișoara, 12-14 mai 2016, România.

12. **C. L. Mihiț**, M. Megan, *On uniform exponential dichotomy of skew-evolution semiflows in Hilbert spaces*, ISREIE 2016- International Symposium "Research and Education in Innovation Era", Section Mathematics & Computer Science, 6th Edition, "Aurel Vlaicu" University of Arad, 8-10 decembrie 2016, România.

13. M. Megan, **C. L. Mihiț**, *On asymptotic behaviors of skew-evolution semiflows in Banach spaces*, Differential Equations Seminar, Department of Applied and Numerical Mathematics (Bolyai Institute), University of Szeged, 10 noiembrie 2015, Ungaria.

14. M. Megan, **C. L. Mihiț**, C. Stoica, *Lyapunov functions in the study of h-dichotomy for skew-evolution semiflows in Banach spaces*, International Conference on Nonlinear Operators, Differential Equations and Applications, Cluj-Napoca, 14-17 iulie 2015, România.

15. **C. L. Mihiț**, *On (h, k, μ, ν)-splitting of evolution operators in Banach spaces*, Advanced Research and Multidisciplinary Dialogue in the Third Millenium, Szeged, 26-27 noiembrie 2015, Ungaria.

16. **C. L. Mihiț**, M. Lăpădat, *On some asymptotical behaviors of linear discrete-time systems in infinite-dimensional spaces*, SACI 2015- 10th Jubilee IEEE International Symposium on Applied Computational Intelligence and Informatics, Timișoara, 21-23 mai 2015, România.

17. **C. L. Mihiț**, R. Lolea, *Lyapunov functions for trichotomy with different growth rates*, ICTAMI 2015- International Conference on Theory and Applications in Mathematics and Informatics, Alba Iulia, 17-20 septembrie 2015, România.

18. C. Stoica, M. Megan, **C. L. Mihiț**, *On (h,k)-trichotomy and (h,k)-splitting for cocycles of linear operators in Banach spaces*, ICMA 2015 - The 14th International Conference on Mathematics and its Applications, Politehnica University of Timișoara, 5-7 noiembrie 2015, România.

VI. Participări la conferințe naționale

1. **C. L. Mihiț**, *On splitting concepts for dynamical systems in Banach spaces*, CSDCU-MIF2020-Conferința Școlilor Doctorale din Consorțiul Universitaria, Ediția a III-a, 22-24 octombrie 2020, online.

2. **C. L. Mihiț**, *On some splitting properties in infinite-dimensional spaces*, RISMAA- First Romanian Itinerant Seminar on Mathematical Analysis and its Applications, Cluj-Napoca, 20-21 aprilie 2018.

3. **C. L. Mihiț**, *Cocicli de evoluție în spații Banach*, Conferința doctoranzilor, Universitatea de Vest din Timișoara, 2018.

4. M. Megan, C. Stoica, **C. L. Mihiț**, *Stability, dichotomy and splitting for evolutions equations in Banach spaces*, The Spring Scientific Session of the Academy of Romanian Scientists, București, 2017.

5. M. Megan, **C. L. Mihiț**, *Asymptotical behaviors of linear discrete-time systems in Banach spaces*, The Spring Scientific Session of the Academy of Romanian Scientists, București, 2016.

6. M. Megan, C. Stoica, **C. L. Mihiț**, *On some concepts of asymptotic behaviors for cocycles of linear operators in Banach spaces*, The Spring Scientific Session of the Academy of Romanian Scientists, București, 2015.

VII. Proiecte de cercetare

1. Participare în proiectul "Cercetări doctorale multidisciplinare competitive pe plan european (CDocMD) POSDRU/187/1.5/S/155559".

2. Bursă de cercetare în cadrul proiectului "Cercetare de excelență în UVT prin susținerea și dezvoltarea centrelor de cercetare ale universității (FDI-2018-0389)", coordonator proiect: Conf. univ. Dr. Mădălin Bunoiu.

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