

LIST OF PUBLICATIONS

I. PhD Thesis

Splitting concepts for skew-evolution semiflows in Banach spaces, West University of Timișoara, Scientific coordinator: Professor Ph. D. Bogdan Sasu

II. Scientific papers published in journals from the main international scientific flow

1. Scientific papers published in journals/volumes indexed ISI/Web of Science

- L. E. Biriș, T. Ceașu, **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.
- **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.
- **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.
- **C. L. Mihiț**, M. Megan, T. Ceașu, *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.
- **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.
- P. Preda, **C. L. Mihiț**, *Discrete Lyapunov theory for evolution families*, Acta Mathematica Universitatis Comenianae 84 (2015), no. 1, 149-166.

2. Scientific papers published/accepted for publication in journals indexed BDI

- L. E. Biriș, T. Ceașu, **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.

- M. Megan, **C. L. Mihuț**, 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.
- **C. L. Mihuț**, *On some nonuniform dichotomic behaviors of discrete skew-product semiflows*, Theory and Applications of Mathematics & Computer Science 9 (2019), 1-7.
- L. E. Biriș, **C. L. Mihuț**, T. Ceașu, I. L. Popa, *On uniform exponential trisplitting for cocycles of linear operators in Banach spaces*, to appear in Analele Universității de Vest din Timișoara, Seria Matematică-Informatică.
- L. E. Biriș, T. Ceașu, **C. L. Mihuț**, *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.
- L. E. Biriș, T. Ceașu, **C. L. Mihuț**, I. L. Popa, *On uniform exponential trisplitting of discrete skew-product semiflows*, Electronic Notes in Discrete Mathematics 67 (2018), 91-96.
- G. Moț, **C. L. Mihuț**, *On Orthogonal Polynomials*, Theory and Applications of Mathematics & Computer Science, 8(2), (2018), 135-142.
- **C. L. Mihuț**, *Lyapunov functionals for skew-evolution semiflows in Banach spaces*, Buletinul Științific al Universității Politehnica din Timișoara, Seria Matematică-Fizică 63 (2018), 49-57.
- **C. L. Mihuț**, 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.
- **C. L. Mihuț**, 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.
- **C. L. Mihuț**, *On uniform h -stability of evolution operators in Banach spaces*, Theory and Applications of Mathematics & Computer Science 6 (2016), 19-27.
- **C. L. Mihuț**, 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.
- M. I. Kovacs, M. Megan, **C. L. Mihuț**, *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.

3. Scientific papers published in volumes of international conferences

- 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.
- **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.
- **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.
- **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.

III. Books

1. Appeared in recognized CNCS publishing houses

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

2. Support of courses, seminars, laboratory works, projects in electronic versions

- G. Moț, **C. L. Mihiț**, *Seminar and course support at Linear algebra, analytical and differential geometry*, 2017 (in romanian).
- G. Moț, **C. L. Mihiț**, *Seminar and course support at Mathematics I*, 2017 (in romanian).
- G. Moț, **C. L. Mihiț**, *Seminar and course support at Applied mathematics in economy*, 2018 (in romanian).

- G. Moț, **C. L. Mihit**, *Seminar and course support at Mathematical analysis*, 2018 (in romanian).
- G. Moț, **C. L. Mihit**, *Seminar and course support at Algebraic foundations of computer science*, 2018 (in romanian).
- G. Moț, **C. L. Mihit**, *Seminar and course support at Linear algebra, analytical and differential geometry*, 2018 (in romanian).
- G. Moț, **C. L. Mihit**, *Seminar and course support at Differential equations and partial differential equations*, 2019 (in romanian).

IV. Scientific contributions to international conferences

- **C. L. Mihit**, *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.
- L. E. Biriș, T. Ceaușu, **C. L. Mihit**, 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.
- **C. L. Mihit**, *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.
- L. E. Biriș, T. Ceaușu, **C. L. Mihit**, 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.
- **C. L. Mihit**, *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.
- M. Aldescu, **C. L. Mihit**, *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.
- **C. L. Mihit**, 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.

- L. Biriş, T. Ceaşu, **C. L. Mihiţ**, *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.
- M. Megan, **C. L. Mihiţ**, 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.
- **C. L. Mihiţ**, *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.
- **C. L. Mihiţ**, 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.
- **C. L. Mihiţ**, 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.
- M. Megan, **C. L. Mihiţ**, *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.
- M. Megan, **C. L. Mihiţ**, C. Stoica, *Lyapunov functions in the study of h -dichotomy for skew-evolution semiflows in Banach spaces*, International Conference on Non-linear Operators, Differential Equations and Applications, Cluj-Napoca, 14-17 iulie 2015, România.
- **C. L. Mihiţ**, *On (h, k, μ, ν) -splitting of evolution operators in Banach spaces*, Advanced Research and Multidisciplinary Dialogue in the Third Millennium, Szeged, 26-27 noiembrie 2015, Ungaria.
- **C. L. Mihiţ**, 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.
- **C. L. Mihiţ**, 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.

- 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.

V. Scientific contributions to national conferences

- **C. L. Mihiț**, *On some splitting properties in infinite-dimensional spaces*, RIS-MAA - First Romanian Itinerant Seminar on Mathematical Analysis and its Applications, Cluj-Napoca, 20-21 aprilie 2018.
- **C. L. Mihiț**, *Cocicli de evoluție în spații Banach*, Conferința doctoranzilor, Universitatea de Vest din Timișoara, 2018.
- 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.
- 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.
- 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.

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