



# UNIVERSITATEA TEHNICĂ DIN CLUJ-NAPOCA

Technical University of Cluj-Napoca  
Faculty of Automation and Computer Science  
Department of Mathematics  
**Position:** Associate Professor -position 20  
**Lect. dr. mat. BAIAS ALINA-RAMONA**

## Publications:

### I. Papers in ISI Journals:

1. **Baias, A.R.**, Popa, D., Rassias, M. Th.: *Set-valued solutions of an equation of Jensen type*, Quaest. Math., (**IF 0.81**), **8(1)**, doi: 10.2989/16073606.2022.2072249, (2022).
2. **Baias, A.R.**, Kerekes, D.M.: *Some results concerning chain rules for Dini-Hadamard constructions*, Positivity, (**IF 0.853**), **26(3)**, <https://doi.org/10.1007/s11117-022-00917-x>, (2022).
3. **Baias, A.R.**, Popa, D.: *On the Best Ulam Constant of the Linear Differential Operator with Constant Coefficients*, Mathematics, (**IF 2.592**), **10(9)**, <https://www.mdpi.com/2227-7390/10/9/1412>, (2022).
4. **Baias, A.R.**, Popa, D.: *On the best Ulam constant of a higher order linear difference equation*, Bull. Sci. Math., (**IF 1.032**), **166**, art no. 102928, <https://doi.org/10.1016/j.bulsci.2020.102928>, (2021).
5. **Baias, A.R.**, Blaga, F., Popa, D.: *On the best Ulam constant of a first order linear difference equation in Banach spaces*, Acta Math. Hung., (**IF 0.979**), **163(2)**, 563–575, <https://doi.org/10.1007/s10474-020-01098-3>, (2021).
6. **Baias, A.R.**, Popa, D.: *On Ulam stability of a linear difference equation in Banach spaces*, Bull. Malays. Math. Sci. Soc., (**IF 1.397**), **43 (2)**, pp. 1357-1371, <https://doi.org/10.1007/s40840-019-00744-6>, (2020).
7. **Baias, A.R.**, D. Popa: *On the best Ulam constant of the second order linear differential operator*, (**IF 2.276**), Rev. R. Acad. Cienc. Exactas Fís. Nat., Ser. A Mat., **114 (1)**, Article 23-15 pp, (2020).
8. **Baias, A.R.**, D. Popa: *On Ulam stability of a third order linear difference equation in Banach spaces*, Aequ. Math., (**IF 0.984**), 10.1007/s00010-020-00722-5, (2020).
9. **Baias, A.R.**, Popa, D., Raşa, I.: *Ulam stability of a successive approximation equation*, J. Fixed Point Theory Appl., (**IF 2**), **22(2)**, Paper No. 41, (2020).

10. **Baias, A.R.**, Kerekes, D. M.: *On the Dini-Hadamard-like coderivative of the difference of two single-valued mappings*, Rend. Circ. Mat. Palermo Series 2, (**IF 0**), **70**, 295-310, 10.1007/s12215-020-00498-2, (2020).
11. **Baias, A.R.**, Blaga, F., Popa, D.: *Best Ulam constant for a linear difference equation*, Carpathian J. Math., (**IF 1.03**), **35**, 13-22, (2019).
12. **Baias, A.R.**, Moşneguţu, B., Popa, D.: *Set-Valued Solutions of a Generalized Quadratic Functional Equation*, Results Math., (**IF 0.969**), **73(4)**, 129-141, (2018).
13. **Baias, A.R.**, Trif, T.: *Extensions of Closed Convex Processes*, Carpathian J. Math., (**IF 1.36**), 31(1), 31-37, (2015).
14. **Baias, A.R.**, Nechita D.M.: *Looking for an exact difference formula for the Dini-Hadamard-like subdifferential*, Stud. Univ. Babeş-Bolyai, Math., (**IF 0**), **57 (3)**, 355-376, (2012).
15. Boţ, R.I., **Frăţean (Baias), A.R.**: *Looking for appropriate qualification conditions for subdifferential formulae and dual representations for convex risk measures*, Math. Method. Oper. Res., (**IF 1.337**), **74 (2)**, 191-215, (2011).

## II. Papers in BDI Journals:

1. **Baias, A.R.**, Moşneguţu, B.: *Set-valued solutions of a general linear equation*, Ann. Tiberiu Popoviciu Semin. Funct. Equ. Approx. Convexity, **16**, 3-11, 2018(2019).
2. **Baias, A.R.**: *Some remarks on risk functions described by utilities. Alternative proofs.*, Ann. Tiberiu Popoviciu Semin. Funct. Equ. Approx. Convexity, **15**, 3-12, (2017).
3. **Baias, A.R.**: *Some remarks on the generalized mean upper/lower semideviations of order  $p$  from a target*, Ann. Tiberiu Popoviciu Semin. Funct. Equ. Approx. Convexity, **11**, 3-12, (2013).
4. **Baias, A.R.**, Nechita D.M.: *Old-New Methods for Computing Subdifferential Formulae for Convex Risk Functions*, Ann. Tiberiu Popoviciu Semin. Funct. Equ. Approx. Convexity, **10**, 3-20, (2012).
5. **Baias, A.R.**: *A Note on the Subdifferentiability of Convex Risk Measures. The Case of Conditional Value-at-Risk*, Automation Computers Applied Mathematics, **19(2)**, 59-68, (2010).