

LISTA lucrări elaborate de Dr. Tănase Roxana-Elena

TEZA DE DOCTORAT

"Parameter estimation for partial differential equations using stochastic methods"- University of Pittsburgh, SUA, 2016- titlul de doctor in matematica a fost echivalat de MEC in 2019

ARTICOLE / STUDII IN EXTENSO PUBLICATE (R,V)

(Ris1) J. Barber, R. Tănase, I. Yotov - *"Kalman filter parameter estimation for a nonlinear diffusion model of epithelial cell migration using stochastic collocation and the Karhunen-Loeve expansion"*, Mathematical Biosciences, Elsevier, Vol. 276, 2016, IF(2023): 3.935, Q1 in Mathematical & Computational Biology, WOS:000376708500013, 2 citari

(Ris2) R. E. Tănase - *"Parameter estimation for partial differential equations using stochastic methods"*, ProQuest LLC, 2016, 4 citari

(Ris3) M. Cimpoeas, R. Tănase - *"Remarks on d-ary partitions and an application to elementary symmetric partitions"*, U.P.B. Sci. Bull., Series A, Vol. 87, Issue 3, 2025, WOS:001639698600001

(Ris4) C. Lupu, R. Tănase- *"Walker's self-improvement inequality revisited"*, Statistics & Probability Letters, Elsevier, Vol. 234, 2026, WOS:001706395400001

COMUNICĂRI ȘTIINȚIFICE NEPUBLICATE (E)

(E1) R. Tănase, C. Trenchea, I. Yotov - *"Optimal control of systems governed by PDEs with random parameter fields"*, Conferinta "Numerical Analysis and Predictability of Fluid Motion", Pittsburgh, 2016

(E2) R. Tănase, C. Trenchea, I. Yotov - *"Identification problems for random elliptic PDEs"*, Conferinta "Parameter Estimation and Uncertainty Quantification for Dynamical Systems", Pittsburgh, 2017

(E3) C. Canepa, R. Tănase - *"A comparison between entrance exams to technical faculties in Romania and China"*, Conference on Applied and Industrial Mathematics(CAIM), București, 2025

(E4) C. Lupu, R. Tănase- *"Walker's self-improvement inequality revisited"*, A XXVII-a Conferință Anuală a Societății de Științe Matematice din România, București, 2025