Titlu proiect: Controlul optimal şi stabilizarea sistemelor parabolice neliniare cu restricţii de stare. Aplicaţii în ştiinţele vieţii şi economie
Categoria de proiect: PN-II-ID-PCE-2012-4-0270
Contractul de finanţare: 68 / 02/09/2013
Manager proiect: Sebastian ANIŢA

Lista rezultate

Nr. crt.	NUME AUTORI	TITLUL ARTICOLULUI/ CĂRŢII / COMUNICĂRII ŞTIINŢIFICE	REVISTA / VOLUMUL/EDITURA IN CARE A APARUT / CONFERINTA LA CARE S-A COMUNICAT	ANUL PUBLICARII/ COMUNICARII
		ARTICOLE ISI		
1	S. Aniţa	Zero-stabilization for some diffusive models with state constraints	Mathematical Modelling of Natural Phenomena 9 (4), 6-19	2014
2	V. Arnăutu, A.-M. Moşneagu	Optimal control and stabilization for some Fisher-like models,	Numerical Functional Analysis and Optimization 36 (5), 567-589	2015
3	L.-I. Aniţa, S. Aniţa, V. Arnăutu	Internal null stabilization for some diffusive models of population dynamics	Applied Mathematics and Computation 219 (20), 10231-10244	2013
4	S. Aniţa, J. Casas, C. Suppo	Impulsive spatial control of invading pests by generalist predators,	Mathematical Medicine and Biology 31 (3), 284-301	2014
5	L.-I. Aniţa, S. Aniţa, C. Moroşanu	Optimal strategies to diminish a pest population via bilinear controls	Applied Mathematics Letters 40, 7-12	2015
6	S. Aniţa, V. Capasso, H. Kunze, D. La Torre	Dynamics and optimal control in a spatially structured economic growth model with pollution diffusion and	Applied Mathematics Leters 42, 36-40	2015

		environmental taxation		
7	S. Aniţa	Stabilization of a predator-prey system with nonlocal terms	Mathematical Modelling of Natural Phenomena 40 (6), 6-16	2015
8	C. Moroşanu	Well posedness for a phase-field transition system endowed with a polynomial nonlinearity and a general class of nonlinear dynamic boundary conditions	Journal of Fixed Point Theory and Applications 18 (2), 225-250	2016
9	L.-I. Aniţa, S. Aniţa	Note on some periodic optimal harvesting problems for age-structured population dynamics	Applied Mathematics and Computation 276, 21-30	2016
10	S. Aniţa, V. Capasso, A.-M. Moşneagu	Regional control in optimal harvesting of population dynamics	Nonlinear Analysis 147, 191-212	2016
11	T. Benincasa, L.D. Donado Escobar, C. Moroşanu	Distributed and boundary optimal control of the Allen-Cahn equation with regular potential and dynamic boundary conditions	International Journal of Control 89, 1523-1532	2016
ARTICOLE ALTE BAZE DE DATE				
1	A.-M. Moşneagu	Optimizing the position of the support of the control for some optimal harvesting problems	Annals of the Academy of Romanian Scientists, Series on Mathematics and Its Applications 7 (1), 27-40	2015
2	S. Aniţa, V. Capasso, H. Kunze, D. La Torre	Dynamics and control of an integro-differential system of geographical economics	Annals of the Academy of Romanian Scientists, Series on Mathematics and Its Applications 7 (1), 8-26	2015
3	S. Aniţa, V. Capasso, H. Kunze, D. La Torre	Optimizing environmental taxation for a spatially structured economic growth model	Vietnam Journal of Mathematics, online, doi: 10.1007/010013-	2016

		including pollution diffusion	016-0215-x	
4	C. Moroşanu, S. Paval, C. Trenchea	Analysis of stability and error estimates for three methods approximating a nonlinear reaction-diffusion equation	Journal of Applied Analysis and Computation 7 (1), 1-19.	**2017**
		CARTI		
1				
N				
		DOCUMENTATIE TEHNICA, BREVETE		
1				
N				
		COMUNICARI STIINTIFICE NATIONALE		
1	S. Aniţa	Internal stabilization for a class of spatial structured epidemic model	The 23rd Conference on Applied and Industrial Mathematics, CAIM 2015, September 17-20, Suceava.	**2015**
2	C. Moroşanu	Well-posedness for a phase-field transition system endowed with a classical regular potential and a general class of nonlinear and non-homogeneous dynamic boundary conditions	The 23rd Conference on Applied and Industrial Mathematics, CAIM 2015, September 17-20, Suceava	**2015**
3	C. Moroşanu	Well-posedness and numerical analysis for a nonlinear reaction-diffusion equation	The 24rd Conference on Applied and Industrial Mathematics, CAIM 2016, September 15-18, Craiova	**2016**
		COMUNICARI STIINTIFICE INTERNATIONALE		
1	S. Aniţa, A.-M. Moşneagu	Optimal control problems for some diffusive processes. Geometric properties of the support of the optimal control	13th Viennese Workshop on Optimal Control and Dynamic Games, May 12-15, Vienna	**2015**
2	G. Dimitriu, L. Boiculese	Sensitivity study for a SEIT epidemic model	The 5th IEEE International Conference on E-	**2015**

			Health and Bioengineering - EHB 2015 Grigore T. Popa University of Medicine and Pharmacy, November 19-21, Iasi	
3	S. Anița	Regional control for some spatially structured population	XIIIeme Colloque Franco-Roumain de Mathematiques Appliquees, Aout 25-29, Iasi	2016
		ATLASE, DICTIONARE DE SPECIALITATE		
1				
N				
		ALTE PUBLICATII		
1				
N				

Lista achizițiilor realizate în cadrul proiectului

Denumire echipament	Categorie de achiziții[*]: (numai mijloace fixe)	Valoarea (lei)	Locație
Tablet PC, NB Toshiba	Echipamente și mijloace moderne de documentare și comunicare	4.145,82	Facultatea de Matematică Universitatea "Al. I. Cuza" din Iași
Laptop Toshiba P50-B-11M	Echipamente și aparatură de cercetare	4.637,60	Facultatea de Matematică Universitatea "Al. I. Cuza" din Iași
Laptop ASUS ZenBook	Echipamente și aparatură de cercetare	5.142,00	Facultatea de Matematică Universitatea "Al. I. Cuza" din Iași
Laptop ASUS ZenBook	Echipamente și aparatură de cercetare	5.142,00	Facultatea de Matematică Universitatea "Al. I. Cuza" din Iași

Categorie de achiziții[*]:

1. Echipamente şi aparatură de cercetare
2. Reţele de comunicaţii specializate
3. Baze de date şi informaţii de specialitate
4. Echipamente şi mijloace moderne de documentare şi comunicare
5. Alte categorii

Director proiect,

Prof. dr. Sebastian ANIȚA